

TIBCO® Object Service Broker

Parameters

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Preface

TIBCO® Object Service Broker is an application development environment and integration broker that bridges legacy and non-legacy applications and data.

This manual describes the Execution Environment and Data Object Broker parameters used within TIBCO Object Service Broker. It includes the parameters used on all platforms supported by TIBCO Object Service Broker.

Topics

- [Related Documentation, page xiv](#)
- [Typographical Conventions, page xix](#)
- [Connecting with TIBCO Resources, page xxii](#)

Related Documentation

This section lists documentation resources you may find useful.

TIBCO Object Service Broker Documentation

The following documents form the TIBCO Object Service Broker documentation set:

Fundamental Information

The following manuals provide fundamental information about TIBCO Object Service Broker:

- *TIBCO Object Service Broker Getting Started* Provides the basic concepts and principles of TIBCO Object Service Broker and introduces its components and capabilities. It also describes how to use the default developer's workbench and includes a basic tutorial of how to build an application using the product. A product glossary is also included in the manual.
- *TIBCO Object Service Broker Messages with Identifiers* Provides a listing of the TIBCO Object Service Broker messages that are issued with alphanumeric identifiers. The description of each message includes the source and explanation of the message and recommended action to take.
- *TIBCO Object Service Broker Messages without Identifiers* Provides a listing of the TIBCO Object Service Broker messages that are issued without a message identifier. These messages use the percent symbol (%) or the number symbol (#) to represent such variable information as a rule's name or the number of occurrences in a table. The description of each message includes the source and explanation of the message and recommended action to take.
- *TIBCO Object Service Broker Quick Reference* Presents summary information for use in the TIBCO Object Service Broker application development environment.
- *TIBCO Object Service Broker Shareable Tools* Lists and describes the TIBCO Object Service Broker shareable tools. Shareable tools are programs supplied with TIBCO Object Service Broker that facilitate rules language programming and application development.
- *TIBCO Object Service Broker Release Notes* Read the release notes for a list of new and changed features. This document also contains lists of known issues and closed issues for this release.

Application Development and Management

The following manuals provide information about application development and management:

- *TIBCO Object Service Broker Application Administration* Provides information required to administer the TIBCO Object Service Broker application development environment. It describes how to use the administrator's workbench, set up the development environment, and optimize access to the database. It also describes how to manage the Pagestore, which is the native TIBCO Object Service Broker data store.
- *TIBCO Object Service Broker Managing Data* Describes how to define, manipulate, and manage data required for a TIBCO Object Service Broker application.
- *TIBCO Object Service Broker Managing External Data* Describes the TIBCO Object Service Broker interface to external files (not data in external databases) and describes how to define TIBCO Object Service Broker tables based on these files and how to access their data.
- *TIBCO Object Service Broker National Language Support* Provides information about implementing the National Language Support in a TIBCO Object Service Broker environment.
- *TIBCO Object Service Broker Object Integration Gateway* Provides information about installing and using the Object Integration Gateway which is the interface for TIBCO Object Service Broker to XML, J2EE, .NET and COM.
- *TIBCO Object Service Broker for Open Systems External Environments* Provides information on interfacing TIBCO Object Service Broker with the Windows and Solaris environments. It includes how to use SDK (C/C++) and SDK (Java) to access TIBCO Object Service Broker data, how to interface to TIBCO Enterprise Messaging Service (EMS), how to use the TIBCO Service Gateway for WMQ, how to use the Adapter for JDBC-ODBC, and how to access programs written in external programming languages from within TIBCO Object Service Broker.
- *TIBCO Object Service Broker for z/OS External Environments* Provides information on interfacing TIBCO Object Service Broker to various external environments within a TIBCO Object Service Broker z/OS environment. It also includes information on how to access TIBCO Object Service Broker from different terminal managers, how to write programs in external programming languages to access TIBCO Object Service Broker data, how to interface to TIBCO Enterprise Messaging Service (EMS), how to use the TIBCO Service Gateway for WMQ, and how to access programs written in external programming languages from within TIBCO Object Service Broker.

- *TIBCO Object Service Broker Parameters* Lists the TIBCO Object Service Broker Execution Environment and Data Object Broker parameters and describes their usage.
- *TIBCO Object Service Broker Programming in Rules* Explains how to use the TIBCO Object Service Broker rules language to create and modify application code. The rules language is the programming language used to access the TIBCO Object Service Broker database and create applications. The manual also explains how to edit, execute, and debug rules.
- *TIBCO Object Service Broker Managing Deployment* Describes how to submit, maintain, and manage promotion requests in the TIBCO Object Service Broker application development environment.
- *TIBCO Object Service Broker Defining Reports* Explains how to create both simple and complex reports using the reporting tools provided with TIBCO Object Service Broker. It explains how to create reports with simple features using the Report Generator and how to create reports with more complex features using the Report Definer.
- *TIBCO Object Service Broker Managing Security* Describes how to set up, use, and administer the security required for an TIBCO Object Service Broker application development environment.
- *TIBCO Object Service Broker Defining Screens and Menus* Provides the basic information to define screens, screen tables, and menus using TIBCO Object Service Broker facilities.
- *TIBCO Service Gateway for Files SDK* Describes how to use the SDK provided with the TIBCO Service Gateway for Files to create applications to access Adabas, CA Datacom, and VSAM LDS data.

System Administration on the z/OS Platform

The following manuals describe system administration on the z/OS platform:

- *TIBCO Object Service Broker for z/OS Installing and Operating* Describes how to install, migrate, update, maintain, and operate TIBCO Object Service Broker in a z/OS environment. It also describes the Execution Environment and Data Object Broker parameters used by TIBCO Object Service Broker.
- *TIBCO Object Service Broker for z/OS Managing Backup and Recovery* Explains the backup and recovery features of OSB for z/OS. It describes the key components of TIBCO Object Service Broker systems and describes how you can back up your data and recover from errors. You can use this information, along with assistance from TIBCO Support, to develop the best customized solution for your unique backup and recovery requirements.

- *TIBCO Object Service Broker for z/OS Monitoring Performance* Explains how to obtain and analyze performance statistics using TIBCO Object Service Broker tools and SMF records
- *TIBCO Object Service Broker for z/OS Utilities* Contains an alphabetically ordered listing of TIBCO Object Service Broker utilities for z/OS systems. These are TIBCO Object Service Broker administrator utilities that are typically run with JCL.

System Administration on Open Systems

The following manuals describe system administration on open systems such as Windows or UNIX:

- *TIBCO Object Service Broker for Open Systems Installing and Operating* Describes how to install, migrate, update, maintain, and operate TIBCO Object Service Broker in Windows and Solaris environments.
- *TIBCO Object Service Broker for Open Systems Managing Backup and Recovery* Explains the backup and recovery features of TIBCO Object Service Broker for Open Systems. It describes the key components of a TIBCO Object Service Broker system and describes how to back up your data and recover from errors. Use this information to develop a customized solution for your unique backup and recovery requirements.
- *TIBCO Object Service Broker for Open Systems Utilities* Contains an alphabetically ordered listing of TIBCO Object Service Broker utilities for Windows and Solaris systems. These TIBCO Object Service Broker administrator utilities are typically executed from the command line.

External Database Gateways

The following manuals describe external database gateways:

- *TIBCO Service Gateway for Files* Describes the TIBCO Object Service Broker interface to Adabas and Datacom data. Using this interface, you can access external Adabas and Datacom data and define TIBCO Object Service Broker tables based on this data.
- *TIBCO Service Gateway for DB2 Installing and Operating* Describes the TIBCO Object Service Broker interface to DB2 data. Using this interface, you can access external DB2 data and define TIBCO Object Service Broker tables based on this data.
- *TIBCO Service Gateway for IDMS/DB Installing and Operating* Describes the TIBCO Object Service Broker interface to CA-IDMS data. Using this interface, you can access external CA-IDMS data and define TIBCO Object Service Broker tables based on this data.

- *TIBCO Service Gateway for IMS/DB Installing and Operating* Describes the TIBCO Object Service Broker interface to IMS/DB and DB2 data. Using this interface, you can access external IMS data and define TIBCO Object Service Broker tables based on it.
- *TIBCO Service Gateway for ODBC and for Oracle Installing and Operating* Describes the TIBCO Object Service Broker ODBC Gateway and the TIBCO Object Service Broker Oracle Gateway interfaces to external DBMS data. Using this interface, you can access external DBMS data and define TIBCO Object Service Broker tables based on this data.

Typographical Conventions

The following typographical conventions are used in this manual.

Table 1 General Typographical Conventions

Convention	Use
<i>TIBCO_HOME</i> <i>OSB_HOME</i>	<p>By default, all TIBCO products are installed into a folder referenced in the documentation as <i>TIBCO_HOME</i>.</p> <p>On open systems, TIBCO Object Service Broker installs by default into a directory within <i>TIBCO_HOME</i>. This directory is referenced in documentation as <i>OSB_HOME</i>. The default value of <i>OSB_HOME</i> depends on the operating system. For example on Windows systems, the default value is C:\tibco\OSB. Similarly, all TIBCO Service Gateways on open systems install by default into a directory in <i>TIBCO_HOME</i>. For example on Windows systems, the default value is C:\tibco\OSBgateways\6.0.</p> <p>On z/OS, no default installation directories exist.</p>
code font	<p>Code font identifies commands, code examples, filenames, pathnames, and output displayed in a command window. For example:</p> <p>Use MyCommand to start the foo process.</p>
bold code font	<p>Bold code font is used in the following ways:</p> <ul style="list-style-type: none"> • In procedures, to indicate what a user types. For example: Type admin. • In large code samples, to indicate the parts of the sample that are of particular interest. • In command syntax, to indicate the default parameter for a command. For example, if no parameter is specified, MyCommand is enabled: MyCommand [enable disable]
<i>italic font</i>	<p>Italic font is used in the following ways:</p> <ul style="list-style-type: none"> • To indicate a document title. For example: See <i>TIBCO ActiveMatrix BusinessWorks Concepts</i>. • To introduce new terms For example: A portal page may contain several portlets. <i>Portlets</i> are mini-applications that run in a portal. • To indicate a variable in a command or code syntax that you must replace. For example: MyCommand <i>PathName</i>

Table 1 General Typographical Conventions (Cont'd)




Convention	Use
Key combinations	Key name separated by a plus sign indicate keys pressed simultaneously. For example: Ctrl+C. Key names separated by a comma and space indicate keys pressed one after the other. For example: Esc, Ctrl+Q.
	The note icon indicates information that is of special interest or importance, for example, an additional action required only in certain circumstances.
	The tip icon indicates an idea that could be useful, for example, a way to apply the information provided in the current section to achieve a specific result.
	The warning icon indicates the potential for a damaging situation, for example, data loss or corruption if certain steps are taken or not taken.

Table 2 Syntax Typographical Conventions

Convention	Use
[]	An optional item in a command or code syntax. For example: <code>MyCommand [optional_parameter] required_parameter</code>
	A logical OR that separates multiple items of which only one may be chosen. For example, you can select only one of the following parameters: <code>MyCommand para1 param2 param3</code>

Table 2 Syntax Typographical Conventions

Convention	Use
{ }	<p>A logical group of items in a command. Other syntax notations may appear within each logical group.</p> <p>For example, the following command requires two parameters, which can be either the pair param1 and param2, or the pair param3 and param4.</p> <pre>MyCommand {param1 param2} {param3 param4}</pre> <p>In the next example, the command requires two parameters. The first parameter can be either param1 or param2 and the second can be either param3 or param4:</p> <pre>MyCommand {param1 param2} {param3 param4}</pre> <p>In the next example, the command can accept either two or three parameters. The first parameter must be param1. You can optionally include param2 as the second parameter. And the last parameter is either param3 or param4.</p> <pre>MyCommand param1 [param2] {param3 param4}</pre>

Connecting with TIBCO Resources

How to Join TIBCOmmunity

TIBCOmmunity is an online destination for TIBCO customers, partners, and resident experts, a place to share and access the collective experience of the TIBCO community. TIBCOmmunity offers forums, blogs, and access to a variety of resources. To register, go to <http://www.tibcommunity.com>.

How to Access All TIBCO Documentation

You can access TIBCO documentation here:

<http://docs.tibco.com>

How to Contact TIBCO Support

For comments or problems with this manual or the software it addresses, please contact TIBCO Support as follows.

- For an overview of TIBCO Support, and information about getting started with TIBCO Support, visit this site:

<http://www.tibco.com/services/support>

- If you already have a valid maintenance or support contract, visit this site:

<https://support.tibco.com>

Entry to this site requires a user name and password. If you do not have a user name, you can request one.

Using Execution Environment Parameters

This chapter describes how to use execution environment parameters.

Topics

- [Introduction, page 2](#)
- [Usage of the Parameters, page 3](#)
- [Determining Parameter Values, page 6](#)
- [Format of the Parameters, page 12](#)
- [Parameter Summary, page 15](#)

Introduction

This chapter describes the usage of the Execution Environment parameters for all platforms supported by TIBCO Object Service Broker. Platform specific information is included and identified. This chapter should be used in conjunction with:

- *TIBCO Object Service Broker for z/OS Installing and Operating* or *TIBCO Object Service Broker for Open Systems Installing and Operating*.
- *TIBCO Object Service Broker for z/OS External Environments* or *TIBCO Object Service Broker for Open Systems External Environments*.



The external database server parameters are *not* included in this manual. The server-specific parameters are described in the TIBCO Service Gateway manuals. A listing of the external database server parameters is also available in [Appendix A, External Database Server Parameters, on page 289](#).

What are Execution Environment Parameters?

Execution Environment parameters set the characteristics of your TIBCO Object Service Broker executing environment and user sessions. When a session is activated the parameter values are evaluated and merged in a predefined order before the session begins. The following sections describe the types of parameters, how they are set, and how they are evaluated. Each of the parameters, including their defaults, valid values and where appropriate, important usage information, are described in [Chapter 2, Understanding Execution Environment Parameters, on page 29](#).

Types of Parameters

The basic types of Execution Environment parameters are:

- Configuration parameters, used only on z/OS
- Execution Environment initialization parameters
- Session startup parameters. This includes ostty parameters, which are used only on Open Systems
- TIBCO Object Service Broker monitor parameters, used only on Open Systems
- System parameters, used only on Open Systems
- Server parameters

Usage of the Parameters

Configuration Parameters

z/OS: Configuration parameters are specified via JCL, using the EECONFIG member of the CNTL data set. This member contains JCL for creating parameter modules for all TIBCO Object Service Broker z/OS environments.

See Also *TIBCO Object Service Broker for z/OS Installing and Operating* for information about using EECONFIG.

Execution Environment Initialization Parameters

Execution Environment initialization parameters are used to initialize peer servers and Execution Environments. The parameters are specified in the following places:

z/OS	Windows	Solaris
ExecutionEnvironment startup string	osBatch.exe command line	osBatch command line
ExecutionEnvironment parameter input file	Execution environment parameters file (ee.prm)	Execution environment parameters file (ee.prm)
	EE registry sub-key	
	OS_EE_ environment variables	OS_EE_ environment variables

See Also *TIBCO Object Service Broker for z/OS External Environments* or *TIBCO Object Service Broker for Open Systems External Environments* for detailed information about input files and how to start up Execution Environments.

Session Startup Parameters

You use session startup parameters to define the characteristics of user sessions. The parameters are initially defined at the Execution Environment level in the following places:

z/OS	Windows	Solaris
Session startup string	osBatch command line	osBatch command line
Session parameter input file	session.prm file	session.prm file
SESSION registry sub-key		
TIBCO Object Service Broker user profile	TIBCO Object Service Broker user profile	TIBCO Object Service Broker user profile
	OS_SESSION_environment variables	OS_SESSION_environment variables

These can then be overwritten by the following at the session level:

- SDK (C/C++) STARTSS parameter (all platforms)
- SDK (Java) Session constructor or start method (all platforms)
- ostty command line (Open Systems)
- 3270 Access Adapter login screen (Open Systems)
- TTY registry sub-key (Windows)
- tty.prm file (Open Systems)
- OS_TTY_environment variables (Open Systems)

See Also *TIBCO Object Service Broker for z/OS Installing and Operating* or *TIBCO Object Service Broker for z/OS Installing and Operating* for detailed information about input files and how to start up sessions.

TIBCO Object Service Broker Object Integration Gateway for details about the use of session startup parameters in the Object Integration Gateway.

TIBCO Object Service Broker Monitor Parameters

Open Systems: TIBCO Object Service Broker monitor process (osMon) parameters define the characteristics of the TIBCO Object Service Broker monitor process. This process is required to handle the communication connection and is used by all session types except for batch. The parameters are defined in the following places:

Windows	Solaris
osMon.exe command line	osMon command line
mon.prm file	mon.prm file
MON registry sub-key	
OS_MON_environment variable	OS_MON_environment variable

System Parameters

TIBCO Object Service Broker system parameters are used to set default name values and log file information. The parameters are defined in the following places:

Windows	Solaris
system.prm file	system.prm file
SYSTEM registry sub-key	
OS_SYSTEM_environment variable	OS_SYSTEM_environment variable

Determining Parameter Values

Where are the Parameters Specified?

The type of parameter and the platform that you are running on determine where you can specify the parameters and how they are evaluated. The following sections describes how the values for Execution Environment initialization and session startup are determined. If a value is not specified at a higher point in the hierarchy, the value to be used is obtained from a lower point.

Source and Evaluation for z/OS

Values Specified In ...	Used by ...	Priority of Evaluation
Session startup string	Session	Highest
Session parameter input file	Session	
TIBCO Object Service Broker user profile	Session	
Session defaults for the Execution Environment	Session	
Execution Environment startup string	Execution Environment and Session	
Execution Environment input file	Execution Environment and Session	
Installation default	Execution Environment and Session	
Default supplied by TIBCO Object Service Broker	Execution Environment and Session	Lowest

Where to Specify Parameters for Single Session Clients

Specified In	Priority	Single Session	
		z/OS Batch	z/OS TSO
Session startup string	Highest	Y ^a	— ^b
Session parameter input file		Y ^c	Y ^b
User Profile		Y ^{d, e}	Y ^{d, e}
Installation default		Y ^f	Y ^f
Default supplied by TIBCO Object Service Broker	Lowest	Y ^g	Y ^g
Default module name		S6BDRCB0	S6BDRCT0

a. Specified on the EXEC card using PARM='session startup string'. Maximum 100 characters.

b. The TIBCO Object Service Broker CLIST creates a temporary file allocated to DDname HRNIN to pass all parameters.

c. Parameter input file must be allocated to DDname HRNIN.

d. The User Profile is bypassed if the NOPROFILE session parameter is used.

e. The profile of the user ID is always used.

f. The installation default configuration module name is determined by the type of Execution Environment. The default module name can be overridden by specifying the CONFIGURATION Execution Environment parameter.

g. Refer to this manual for TIBCO Object Service Broker default values.

Where to Specify Parameters for Multiple Session Clients

Specified In	Priority	Multiple Session		
		CICS	IMS TM	Native
Session startup string	Highest	Y ^a	Y ^b	Y ^c
User Profile		Y ^{d, e}	Y ^{d, e}	Y ^{d, f}
Execution Environment startup string		Y ^g	Y ^h	Y ^h
Execution Environment parameter input file		Y ⁱ	Y ⁱ	Y ⁱ
Installation default		Y ^j	Y ^{j, k}	Y ^g
Default supplied by TIBCO Object Service Broker	Lowest	Y ^l	Y ^l	Y ^l
Default module name		S6BDRCC0	S6BDRCI0	S6BDRCN0

- a. Specified on the command line in the HURN session startup string or in the parameter area of the COMMAREA passed to a non-seamless TIBCO Object Service Broker/CICS interface program. Cannot be specified to a seamless TIBCO Object Service Broker/CICS interface program.
- b. Specified on the command line in the HURLOGON session startup string or in the parameter segment to a non-seamless TIBCO Object Service Broker IMS TM client program.
- c. Specified when logging in to the Native Execution Environment using the DATA('session startup string') argument. Maximum 64 characters.
- d. The User Profile is bypassed if the NOPROFILE session parameter is used.
- e. The external transaction profile is used for seamless clients, and the user profile is used for non-seamless clients.
- f. The profile of the user ID is always used.
- g. Specified in the command line HINT region startup string.
- h. Specified on the EXEC PGM=S6BDR00 card using PARM='region startup string'. Maximum 100 characters.

- i. The parameter input file must be allocated to DDname HRNIN.
- j. The installation default configuration module name is determined by the type of Execution Environment. The default module name can be overridden by specifying the CONFIGURATION Execution Environment parameter.
- k. IMS TM sessions run in a Native Execution Environment.
- l. Refer to this manual for TIBCO Object Service Broker default values.

Source and Evaluation for Open Systems

Values Specified In ...	Used by ...	Priority of Evaluation
Session startup string: TTY session command line SDK (C/C++) STARTSS parameters SDK (Java) Session constructor or start method 3270 Access Adapter login screen PARAMS field	Session	Highest
osBatch session command line	Execution Environment and Session	
osMon command line	TIBCO Object Service Broker monitor process	
Parameter file: ee.prm	Execution Environment	
session.prm, tty.prm	Session	
mon.prm	TIBCO Object Service Broker monitor process	
system.prm	System	

Values Specified In ...	Used by ...	Priority of Evaluation
Windows only:		
EE registry sub-key	Execution Environment	
SESSION registry sub-key	Session	
MON registry sub-key	TIBCO Object Service Broker monitor process	
TTY registry sub-key	ostty	
SYSTEM registry sub-key	System	
Environment variables: OS_EE_, OS_SESSION_, OS_TTY_, OS_MON_, OS_SYSTEM_	Execution Environment Session TIBCO Object Service Broker monitor process System	
TIBCO Object Service Broker user profile	Session	
Default supplied by TIBCO Object Service Broker	Execution Environment, Session, TIBCO Object Service Broker monitor process, ostty, System	Lowest

Determining the Values in Use

Open Systems: Log files are provided that list the parameters in use. The default directory for log files is %OS_ROOT%\log on Windows and \${OS_ROOT}/log on Solaris. The default names for the files are:

Binary or Session (Windows)	Binary or Session (Solaris)	Default Log File
osee.exe	osee	ee.<NAME>.<timeStamp>.log ^a
osMon.exe	osMon	mon.<NAME>.<timeStamp>.log
ostty.exe	ostty	tty.<NAME>.<timeStamp>.log
oscli.dll	liboscli.so	N/A

Binary or Session (Windows)	Binary or Session (Solaris)	Default Log File
osBatch.exe	osBatch	ee.<NAME>.<timeStamp>.log
Batch session	batch	batch.<NAME>.<timeStamp>.log
3270 Access Adapter session	3270 Access Adapter session	session.<NAME>.<timeStamp>.log
ostty session	ostty session	session.<NAME>.<timeStamp>.log
SDK (C/C++) session	SDK (C/C++) session	session.<NAME>.<timeStamp>.log
SDK (Java) session	SDK (Java) session	session.<NAME>.<timeStamp>.log

a. timeStamp has the form M.D-H.m.s where M is the month, D is the day, H is the hour, m is the minute, and s is the second. <NAME> is the NAME parameter of the process (session) that is writing the log messages.

Windows: All TIBCO Object Service Broker events are in the Application log available from the Event Viewer administration tool.

Format of the Parameters

Syntax of Parameters

The platform that you are using determines the syntax of the parameters.

z/OS

The type of client that you are using, for example, CICS or batch, determines the actual syntax to use. In general, the syntax is:

```
{PARAMETER=VALUE} {KEYWORD}
```

for example:

```
RULE=LOGONHURON BROWSE
```

Open Systems

To set a parameter, use the syntax:

```
{PARAMETER=VALUE} {KEYWORD}
```

for example:

```
RULE=LOGONHURON BROWSE
```

See Also *TIBCO Object Service Broker for z/OS External Environments* or *TIBCO Object Service Broker for Open Systems External Environments* for detailed information about the syntax for a specific client type.

Length of Parameter Lists

z/OS: TIBCO Object Service Broker limits the total list of parameters you specify when you start an Execution Environment to a length of 900 characters. The mechanism you use to run the Execution Environment can further reduce this limit.

Syntax of Environment Variables

Open Systems: To set a parameter using an environment variable, use a name in the following format:

```
OS_<type>_<parameter group name>_<parameter name>
```

where:

- `<type>` is one of: EE, SESSION, MON, or TTY
- `<parameter group name >` is the name of an Execution Environment, session, osMon, or ostty (specified by the NAME parameter and present, for example, in ee.prm, session.prm, or mon.prm as names of parameter groups)
- `<parameter name>` is the name of the parameter that you want to set

For example, in Windows:

- To set the environment variable for the DOB parameter to MYDOB for an Execution Environment called PROD, use:
Set OS_EE_PROD_DOB=MYDOB
- To set the environment variable for the INSTLIB parameter to MYLIB for a TIBCO Object Service Broker monitor process called PRODMON, use:
Set OS_MON_PRODMON_INSTLIB=MYLIB
- To set a variable for a logical parameter, use, for example
Set OS_MON_MYOTHERMON_VERBOSE=TRUE
or, to set NOVERBOSE
Set OS_MON_MYOTHERMON_VERBOSE=FALSE

Parameter Files for z/OS

You can specify TIBCO Object Service Broker parameters using the HRNIN DD statement for all client styles, or a CLIST for TSO clients. The following section describes using an input file. For details about using a CLIST, refer to *TIBCO Object Service Broker for z/OS External Environments*.

Format of the Input File

The data set associated with HRNIN can be sequential, partitioned, or instream. The format of HRNIN must be as follows:

- The data set must be either RECFM=VB or RECFM=FB with LRECL=80
- Columns 73 through 80 are reserved for card sequence numbers for RECFM=FB data sets
- Parameters can be separated by commas
- Spaces are ignored
- Quoted strings can span multiple lines
- Comments are denoted with an asterisk (*) in column 1, or delimited anywhere between parameters by /* */

Example of Instream Parameter List Using HRNIN in JCL

```

/...
//HURON EXEC PGM=S6BBATCH,REGION=4M,
//PARM=(OFFLINE,'U=USERID,TDS=VTAMID')           > USER AND VTAM IDS
//STEPLIB DD DSN=HUR01.HURON.LOAD,DISP=SHR         > SHOULD CUSTOMIZE
//HRNOUT DD SYSOUT=*
//HRNPRNT DD SYSOUT=*
//HRNIN DD *                                       > RULE AND PARAMETERS
RULE=HLIPREPROCESSOR('COBOL','HURON','HURON AND COBOL SOURCE',
'COBOL ONLY SOURCE','HLL.HLLLIST','ERRORSTOP'), MSGLOGMAX=4M,
CHARSET=CDNB /* HRNIN comment */
/*

```



If a parameter is specified in both HRNIN and the PARM statement, the value in the PARM statement takes precedence.

Parameter Files for Open Systems

You can specify parameter values using parameter files. The parameter files are located in %OS_ROOT%\database on Windows and \${OS_ROOT}/database on Solaris. The files are indexed by a NAME parameter and only parameter assignments that follow the NAME parameter whose value corresponds to the current NAME parameter for the process to be used.

Format of the Parameter Specifications

```

NAME=value1
P1=pvalue1
P2=pvalue2
NAME=value2
P1=pvalue1
P2=pvalue2

```

Parameter Summary

Summary of Execution Environment Parameters

Parameter Name	Abbreviation	Environment			Parameter Type					
	z/OS Windows and Solaris	z/OS	Windows	Solaris	Configuration	Execution Environment Initialization	Session startup	osMon	ostty	System User Modifiable
ACTION	AC	X	X	X	X (z/OS)	X (z/OS)	X (all)			X
ADAYS	AD		X	X			X			X
ALLOWSESSIONTIMEOUTLIMIT, NOALLOWSESSIONTIMEOUTLIMIT	ALLOWSESSTIMEOUT, NOALLOWSESSTIMEOUT	X	X	X	X	X	X			X
AMONTHS	AM		X	X			X			X
BATCHCONSOLE, NOBATCHCONSOLE	BC, NOBC		X	X			X			X
BINDINGAREASADDRESS			X	X		X				
BINDINGAREASKEY				X		X				
BLTINNUM		X			X	X				X
BROWSE, NOBROWSE	B, NOB	X	X	X	X (z/OS)	X (z/OS)	X (all)			X
CHARSET	C	X	X	X	X (z/OS)	X (z/OS)	X (all)			X
CICSECONTAINER	CICSECONT	X			X	X				X
CICSPCONTAINER	CICSECONT	X			X	X				X
CICSHURONTRAN		X			X	X				X
CICSPSEUDOCONVERSE	CICSCONVERSE	X			X	X				X

Parameter Name	Abbreviation		Environment			Parameter Type					
	z/OS	Windows and Solaris	z/OS	Windows	Solaris	Configuration	Execution Environment Initialization	Session startup	osMon	ostty	System User Modifiable
CICSREGIONSIZE			X			X	X				X
CICSVSAMSAMSYNC	CICSVSAM		X			X	X	X			X
CLICODEPAGE				X	X			X			
CLIENDIAN	CLIE			X	X			X			X
CLIENTHOSTNAME				X	X			X			
CLIENTIP				X	X			X			
CLIENTPORT				X	X			X			
CLIHOST			X	X	X			X			X
CLMSGLENMAX			X				X				X
CLINODE			X	X	X			X			X
CLIPORT			X	X	X			X			X
CLITIMEOUTLIMIT			X			X	X				
CLOSE	C			X	X				X		X
CLOSEEE	CEE			X	X				X		X
COMMITSIZE		CS	X	X	X		X				X
CONFIGURATION	CONFIG		X				X				X
CONNTIMEOUT	CTO			X	X				X		X
DATEFORMAT	DF			X	X			X			X
DAYS	DY			X	X			X			X
DB2LOG			X				X				X

Parameter Name	Abbreviation	Environment			Parameter Type							
	z/OS	Windows and Solaris	z/OS	Windows	Solaris	Configuration	Execution Environment Initialization	Session startup	osMon	ostty	System	User Modifiable
DECIMALSEPARATOR	DECSEP	X	X	X				X				X
DEFAULT_EE_NAME	DEN		X	X							X	X
DEFAULT_MON_NAME	DMN		X	X							X	X
DEFAULT_SESSION_NAME	DSN		X	X							X	X
DEFAULT_TTY_NAME	DTN		X	X							X	X
DELETEDLOG	DL		X	X					X			X
DOB	DB		X	X		X						X
	D		X	X					X			X
DSBIFTYPE	DSBT		X	X				X				X
DSDIR	DSD		X	X				X				X
DSFIELDSEP	DSFS		X	X				X				X
DSIXFTYPE	DSXT		X	X				X				X
DSQUOTE	DSQ		X	X				X				X
EEBIN			X	X					X			X
EEINSTANCE			X	X				X				
EELOG	EEL		X	X		X						X
EEWTODELETE	EE	X	X	X	X (z/OS)	X (z/OS)		X (all)				X
EEBIN		X				X						X
ERRMESSAGESCREEN	ERRMSGSCR	X			X	X		X				X

Parameter Name	Abbreviation		Environment			Parameter Type					
	z/OS	Windows and Solaris	z/OS	Windows	Solaris	Configuration	Execution Environment Initialization	Session startup	osMon	ostty	System User Modifiable
EVENTLOGHOST	ELH			X							X X
EVENTLOGMSGTYPES	ELMT			X	X						X X
EXECHASHSIZE			X			X	X				X
EXECLOCALNAMESIZE			X			X	X				X
EXECLOCALSIZE	LOCALSIZE		X			X	X	X			X
EXECSCOPE SIZE			X			X	X				X
EXECSTACKSIZE	STACKSIZE		X	X	X	X (z/OS)	X (z/OS)	X (all)			X
FILEGDGSEARCH	FILEGDG		X			X	X	X			X
HAWKANAME	HAWKAN			X	X		X		X		X
HAWKDAEMON	HAWKD			X	X		X		X		X
HAWKDDNAME	HAWKDN			X	X		X		X		X
HAWKNETWORK	HAWKN			X	X		X		X		X
HAWKPOLL	HAWKP			X	X		X		X		X
HAWKSERVICE	HAWKS			X	X		X		X		X
HELP				X	X				X		X
HOST	H			X	X				X		X
IBMFLOAT, NOIBMFLOAT	IBMF, NOIBMF			X	X			X			X
IDLETIMEOUT	ITO			X	X		X				X
IMSSCREENATTRIBU	IMSEDS		X			X	X				X

Parameter Name	Abbreviation	Environment			Parameter Type							
	z/OS	Windows and Solaris	z/OS	Windows	Solaris	Configuration	Execution Environment Initialization	Session startup	osMon	ostty	System	User Modifiable
IMSSCREENTRAN		X			X	X						X
IMSSCREENTRANNC		X			X	X						X
INSTANCE			X	X		X						
INSTLIB	I	X	X	X	X (z/OS)	X (all)	X (z/OS)	X (Windows, Solaris)			X	
INSTLIBNUM		X				X						X
IP			X	X				X				X
IPCKEY	IPCK			X				X				X
KEEPEELOG	KEEL		X	X		X						X
KEEPOSMONLOG	KOSML		X	X				X				X
KEEPSESSIONLOG	KSL		X	X			X					X
KEEPTTYLOG	KTTYL		X	X					X			X
KERNEL			X	X		X						
LIBRARY	L	X	X	X			X					X
LOGFILEMSGTYPES	LFMT		X	X						X		X
LOGFILEPATH	LFP		X	X						X		X
LOGONRULENAME		X			X	X						X
MAXEE	MEE		X	X				X				X
MAXSESSION	MXS		X	X		X						X
MDL	MD	X			X	X						X

Parameter Name	Abbreviation		Environment			Parameter Type					
	z/OS	Windows and Solaris	z/OS	Windows	Solaris	Configuration	Execution Environment Initialization	Session startup	osMon	ostty	System User Modifiable
MONHOST	MH			X	X					X	X
MONLOG	ML			X	X				X		X
MONNAME	MNM			X	X					X	X
MONPORT	MP			X	X					X	X
MONTHS	MN			X	X			X			X
MSGLOGMAX		MLM	X	X	X	X (z/OS)	X (z/OS)	X (all)			X
NAME	N			X	X		X	X	X	X	X
NOSMFDETAIL	NOSMF		X			X					X
ONLINE, OFFLINE	ON, OFF		X	X	X	X (z/OS)	X (z/OS)	X (all)			X
OSDIR	OD			X	X		X				X
OSMONDOB				X	X		X				
OSMONNAME				X	X		X				
OSMONPORT				X	X		X				
OSMONPROCID	OSMPID			X	X		X				X
PASSWORD	P		X	X	X			X			X
PEERSERVERNUM			X			X	X				X
PORT				X	X				X		X
PRINTCLASS	CLASS		X				X	X			X

Parameter Name	Abbreviation		Environment			Parameter Type						
	z/OS	Windows and Solaris	z/OS	Windows	Solaris	Configuration	Execution Environment Initialization	Session startup	osMon	ostty	System	User Modifiable
PRINTCOPY	COPY		X	X	X		X (z/OS)	X (all)				X
PRINTDATASET	DATASET		X	X	X		X (z/OS)	X (all)				X
PRINTDEST	DEST		X	X	X		X (z/OS)	X (all)				X
PRINTDIRECTION	DIRECTION			X	X			X				X
PRINTERERRORLOG	PERL		X				X	X				X
PRINTFCB	FCB		X				X	X				X
PRINTFORM	FORM		X				X	X				X
PRINTPAPERSIZE	PAPERSIZE			X				X				X
PRINTPORTRAIT, NOPRINTPORTRAIT	PORTRAIT, NOPORTRAIT			X				X				X
PRINTSPOOLCLASS	SPOOLCLASS		X				X					X
PRINTUCS	UCS		X				X	X				X
PRINTXWTR	XWTR		X		X		X (z/OS)	X (all)				X
PROCESSID	PID			X	X		X					X
PROFILE, NOPROFILE	PR, NOPR		X	X	X	X (z/OS)	X (z/OS)	X (all)				X
PROMPT, NOPROMPT		PRM, NOPRM	X	X	X			X				X
QUARTERS	Q			X	X			X				X

Parameter Name	Abbreviation		Environment			Parameter Type					
	z/OS	Windows and Solaris	z/OS	Windows	Solaris	Configuration	Execution Environment Initialization	Session startup	osMon	ostty	System User Modifiable
REGIONTABLESIZE			X				X				X
REGIONTRACE			X			X	X				X
REGIONTRACESIZE			X			X	X				X
REGIONTYPE			X			X	X				X
REJECTSHUTI			X				X				X
RELOADPARAMS, NORELOADPARAMS	RLP, NORLP			X	X				X		X
RULE	R		X	X	X			X			X
RULESIZE	RSZ			X	X				X		X
SEARCH	SEA		X	X	X		X (z/OS)	X (all)			X
SECACLSIZE			X			X	X				X
SECADMINSIZE			X			X	X				X
SECAUDITLOG		SAL	X	X	X	X (z/OS)	X (Open Systems)				X
SECCLASS			X			X					
SECOBJSIZE			X			X	X				X
SECPACLSIZE			X			X	X				X
SECREQUESTOR			X			X	X				
SECSSUBSYSTEM			X			X					
SECURITY		SEC	X	X	X	X (z/OS)	X (all)				X

Parameter Name	Abbreviation		Environment			Parameter Type						
	z/OS	Windows and Solaris	z/OS	Windows	Solaris	Configuration	Execution Environment Initialization	Session startup	osMon	ostty	System	User Modifiable
SECURITYSIZE	SSZ			X	X				X			X
SECUSERSIZE			X			X	X					X
SERVERID		SID	X	X	X	X (z/OS)	X (z/OS)	X (Windows, Solaris)				X
SERVERLOGPATH	SLP			X	X			X				X
SERVERRETRIES	SRT			X	X				X			X
SERVERS		SRV	X	X	X	X (z/OS)	X (z/OS)		X (Windows, Solaris)			X
SERVERTYPE		ST	X	X	X	X (z/OS)	X					X
SESSDSPXFRSCRMX	SDXMAX		X			X	X	X				X
SESSIONENDACTION			X					X				X
SESSIONENDVALUE			X					X				X
SESSIONFILEMAX			X			X	X	X				X
SESSIONINSTANCE				X	X			X				
SESSIONLOG	SL			X	X			X				X
SESSIONLOGCLEAR, NOSESSIONLOGCLEAR	SLC, NOSLC			X	X			X				X
SESSIONMEMMAX		SMMX	X	X	X	X (z/OS)	X (z/OS)	X (all)				X
SESSIONPARMLIST, NOSESSIONPARMLIST	SPL, NOSPL			X	X			X				X

Parameter Name	Abbreviation		Environment			Parameter Type					
	z/OS	Windows and Solaris	z/OS	Windows	Solaris	Configuration	Execution Environment Initialization	Session startup	osMon	ostty	System User Modifiable
SESSIONTYPE				X	X			X			
SESSIONUSERID	SUID			X	X			X			X
SESSNAME	SN			X	X					X	X
SHAREDMEMADDR		SMA		X	X				X		X
SMFDETAIL	SMF		X			X	X	X			X
SMFPERFORMANCE	SMFP		X			X	X	X			X
SMFTYPE			X			X	X				X
SORTTEXTMEMMAX			X			X	X				X
SORTINTMEMMAX			X			X	X				X
SORTINTNUMMAX			X			X	X				X
SORTINTPAGESMAX		SIPM	X	X	X	X (z/OS)	X (all)				X
SORTPGM			X			X	X				X
SORTPRINT			X			X	X	X			X
SORTUNIT		SU	X	X	X	X (z/OS)	X (all)				X
SORTWORKFILESMAX			X			X	X	X			X
STAE, NOSTAE	SE, NOSE		X			X	X	X			X
STANDBYNUM	STANDBY		X			X	X				X
STANDBYWAIT			X			X	X	X			X
STANDBYWAITLIMIT			X			X	X				X

Parameter Name	Abbreviation		Environ- ment			Parameter Type						
	z/OS	Windows and Solaris	z/OS	Windows	Solaris	Configuration	Execution Environment Initialization	Session startup	osMon	ostty	System	User Modifiable
STANDBYWAITMSG			X			X	X					X
STATSBUF			X				X					X
STATSBUF	ST			X	X				X			X
STOP				X	X				X			X
STOPALL	SA			X	X				X			X
STOPEE	SEE			X	X				X			X
STOPSESS	SS			X	X				X			X
SVC			X			X						X
SYSLIB	S		X	X	X	X (z/OS)	X (all)	X (z/OS)	X (Windows, Solaris)			X
TABLESIZE	TSZ			X	X				X			X
TAMBMAX			X			X	X					X
TAMBMIN			X			X	X					X
TAMBSTS			X				X					X
TASKEXECNUM			X			X	X					X
TASKFILENUM			X			X	X					X
TASKINITNUM			X			X	X					X
TASKMISCNUM			X			X	X					X
TASKOPERNUM			X			X	X					X
TASKRCLINUM			X			X	X					X

Parameter Name	Abbreviation		Environment			Parameter Type					
	z/OS	Windows and Solaris	z/OS	Windows	Solaris	Configuration	Execution Environment Initialization	Session startup	osMon	ostty	System User Modifiable
TASKSMFNUM			X			X	X				X
TASKSORTNUM			X			X	X				X
TDS	TD		X			X	X				X
TEMPPRIMARYCYL	PRIMARY		X			X	X				X
TEMPSECONDARY	SECONDARY		X			X	X				X
TEMPUNIT	UNIT	TU	X	X	X	X (z/OS)	X (all)				X
TEMPUNITCOUNT	UNITCOUNT		X			X	X				X
TEST, NOTEST	TE, NOTE		X	X	X	X (z/OS)	X (z/OS)	X (all)			X
THREADID				X	X			X			
TIMEOUTLIMIT			X	X	X	X	X	X			X
TN3270PORT	TNPORT			X	X				X		X
TRANDSPXFRSCRMX	TDXMAX		X			X	X	X			X
TRANMAXNUM		TMN	X	X	X	X (z/OS)	X				X
TRANMEMMAX			X	X	X	X (z/OS)	X (z/OS)	X (all)			X
TTYLOGFILE	TLF			X	X					X	X
UNICODEDIR	UNIDIR			X	X		X				X
USERID	U		X	X	X			X			X

Parameter Name	Abbreviation		Environment			Parameter Type					
	z/OS	Windows and Solaris	z/OS	Windows	Solaris	Configuration	Execution Environment Initialization	Session startup	osMon	ostty	System User Modifiable
VARLDELIMITER	VLD		X	X	X	X (z/OS)	X (z/OS)	X (all)			X
VARRDELIMITER	VRD		X	X	X	X (z/OS)	X (z/OS)	X (all)			X
VERBOSE, NOVERBOSE	V, NOV			X	X		X		X		X
WORKINGDIR	WD			X	X		X				X
YYCENTURYRANGE	YY			X	X		X				X

Chapter 2 **Understanding Execution Environment Parameters**

This chapter describes the Execution Environment parameters.

Topics

- [Descriptions of the Parameters, page 30](#)

Descriptions of the Parameters

ACTION

The type of invocation for the initial user rule specified in the [RULE](#) parameter.

Environment	All.
Abbreviated Name	AC
Valid User Values	C—CALL the rule E—EXECUTE the rule T—TRANSFERCALL the rule
Default	E
Recommendation	The action coded is valid only when a value is specified in the RULE parameter. ACTION=T is strongly recommended.
Effects	<p>The rule specified by the RULE parameter is invoked by the login rule according to the value of this parameter:</p> <p>If ACTION=T, the login rule TRANSFERCALLs to the specified rule. This will cause the current transaction stream to end the new rule will run at the same transaction stream level.</p> <p>If ACTION=E, the login rule EXECUTEs the specified rule. This generates a second TIBCO Object Service Broker transaction stream.</p> <p>If ACTION=C, the login rule CALLs the specified rule. The specified rule run as at the same TIBCO Object Service Broker transaction stream level.</p>
Related Topics	Refer to RULE on page 121 for additional information.

Type	z/OS: <ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter • Session startup parameter Open Systems: Session startup parameter
User Modifiable	Yes.

ADAYS

The spelling to be used for abbreviated names of the days of the week when converting a date field to a string.

Environment	Open Systems.
Abbreviated Name	AD
Valid User Values	A series of abbreviations of up to 16 characters in length each.
Default	Mon, Tue, Wed, Thurs, Fri, Sat, Sun
Related Topics	On the z/OS platform, the \$SYSDATE macro is used to set date masks. Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for information about using the \$SYSDATE macro.
Type	Session startup parameter.
User Modifiable	Yes.

ALLOWSESSIONTIMEOUTLIMIT, NOALLOWSESSIONTIMEOUTLIMIT

Specifies whether the [TIMEOUTLIMIT](#) session startup parameter takes precedence over the Execution Environment initialization parameter.

Environment	All.
Abbreviated Name	ALLOWSESSTIMEOUT, NOALLOWSESSTIMEOUT

Valid User Values	ALLOWSESSIONTIMEOUTLIMIT, ALLOWSESSTIMEOUT, NOALLOWSESSIONTIMEOUTLIMIT, NOALLOWSESSTIMEOUT
Default	NOALLOWSESSIONTIMEOUTLIMIT
Recommendation	Set ALLOWSESSIONTIMEOUTLIMIT according to site requirements.
Effects	<p>Using the ALLOWSESSIONTIMEOUTLIMIT parameter you can override the TIMEOUTLIMIT Execution Environment initialization parameter, on a session-by-session basis, through the use of the TIMEOUTLIMIT session startup parameter.</p> <p>Using the default of NOALLOWSESSIONTIMEOUTLIMIT causes the value of the TIMEOUTLIMIT session startup parameter to be ignored.</p>
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

AMONTHS

The spelling to be used for abbreviated names of the months of the year when converting a date field to a string.

Environment	Open Systems.
Abbreviated Name	AM
Valid User Values	A series of abbreviations of up to 16 characters in length each.
Default	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec
Related Topics	On the z/OS platform, the \$SYSDATE macro is used to set date masks. Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for information about using the \$SYSDATE macro.

Type	Session startup parameter.
User Modifiable	Yes.

BATCHCONSOLE, NOBATCHCONSOLE

Specifies whether to send osBatch output to the display console and to the log files.

Environment	Open Systems: applies only to osBatch sessions.
Abbreviated Name	BC, NOBC
Valid User Values	BATCHCONSOLE, BC, NOBATCHCONSOLE, NOBC
Default	NOBATCHCONSOLE
Effects	<p>BATCHCONSOLE—The osBatch output is sent to the display console, except for the copyright notice and the parameter list. After the first rule is completed, the return value and end message are also sent to the display console.</p> <p>NOBATCHCONSOLE—No output is sent to the display console, except for parameter syntax errors.</p>
Type	Session startup parameter.
User Modifiable	Yes.

BINDINGAREASADDRESS

The binding area address.

It is set by the TIBCO Object Service Broker monitor process when it starts the Execution Environment process.

Environment	Open Systems.
Recommendation	This is a read-only parameter and should not be modified by a user.
Type	Execution Environment initialization parameter.

User Modifiable	No.
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BINDINGAREASKEY

The binding area key.

It is set to the value of the IPCKEY Execution Environment parameter by the TIBCO Object Service Broker monitor process when starting the Execution Environment.

Environment	Solaris.
Recommendation	This is a read-only parameter and should not be modified by a user.
Type	Execution Environment initialization parameter.
User Modifiable	No.

BLTINNUM

The estimated number of routines (builtins) for the rules manager.

Environment	z/OS.
Valid User Values	128 to 256K
Default	192
Recommendation	Use the default.
Effects	This value determines the number of entries in the builtin name hash table. Each entry is 4 bytes long. Storage is virtual, non-fixed, above the 16 MB line, and allocated once at Execution Environment initialization.
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

BROWSE, NOBROWSE

Specifies whether the first transaction of the session can update TDS tables and external databases.

Environment	All.
Abbreviated Name	B, NOB
Valid User Values	BROWSE, B, NOBROWSE, NOB
Default	BROWSE
Recommendation	If no persistent database updates are required in the first transaction, use BROWSE; otherwise, use NOBROWSE.
Effects	<p>BROWSE—The first transaction of the session runs in browse mode, disallowing updates to TDS and external databases. An exception is raised if a rule attempts to update data inappropriately.</p> <p>NOBROWSE—The first transaction of the session runs in update mode. Table type of TDS and external databases can be updated.</p> <p>Performance: Running in BROWSE mode does not request any locks. This reduces locking conflicts and message traffic between the Execution Environment and the Data Object Broker.</p>
Type	<p>z/OS:</p> <ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter • Session startup parameter <p>Open Systems: Session startup parameter</p>
User Modifiable	Yes.

CHARSET

The default national character set.

Environment	All.
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Abbreviated Name	C
Valid User Values	<p>z/OS:</p> <ul style="list-style-type: none">• CNDB—Canadian - Bilingual• DANS—Danish• DEUT—Austrian /German• ENGB—English (British)• ENGL—English (U. S.)• ESPA—Spanish• FRAN—French• ITAL—Italian• NORS—Norwegian• PORT—Portuguese• SCHW—Swiss German• SUOM—Finnish• SVEN—Swedish <p>Open Systems: ENGL is the only valid value.</p>
Default	ENGL
Effects	<p>Each national character set name must have a one-page table for all 256 characters in the set. Each table entry includes an attribute list that describes the effects of converting type V syntax characters to type C.</p> <p>Notes:</p> <ul style="list-style-type: none">• Setting the character set does not set the decimal separator.• By entering a value in the @NLS1 table, you can use uppercasing rules other than ENGL on Open Systems.

Type	z/OS: <ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter • Session startup parameter Open Systems: Session startup parameter
User Modifiable	Yes.

CICSECONTAINER

The name of the CICS container to be used by the Execution Environment to pass back error messages.

Environment	z/OS: CICS Execution Environment.
Abbreviated Name	CICSECONT
Valid User Values	16-character container name according to the CICS specification
Default	HERRCONTAINER
Recommendation	Use the default.
Effects	This parameter enables the user to select any valid 16-character name.
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

CICSPCONTAINER

The name of the CICS container to be used for passing session parameters to the Execution Environment for session startup.

Environment	z/OS: CICS Execution Environment.
Abbreviated Name	CICSPCONT

Valid User Values	16-character container name according to the CICS specification
Default	PARMCONTAINER
Recommendation	Use the default.
Effects	This parameter enables the user to select any valid 16-character name.
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

CICSHURONTRAN

The CICS transaction name to be used by the Execution Environment to start a peer server.

Environment	z/OS: CICS Execution Environment.
Valid User Values	A valid four-byte CICS transaction code associated with S6BCSSC2, the TIBCO Object Service Broker CICS client program.
Default	HURN
Recommendation	Use the default for a non-MRO environment.
Effects	This enables the user to select any valid four-byte CICS transaction code to access TIBCO Object Service Broker. It is used when starting peer servers in the CICS Execution Environment.
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

CICSPSEUDOCONVERSE

Specifies whether the CICS Execution Environment makes use of CICS pseudo-conversational processing whenever a DISPLAY statement or a DISPLAY & TRANSFERCALL statement is executed in a rule.

Environment	z/OS: CICS Execution Environment.
Abbreviated Name	CICSCONVERSE
Valid User Values	Y, YES, N, NO
Default	Y
Recommendation	Set CICSPSEUDOCONVERSE=Y to use CICS pseudo-conversational processing.
Effects	<p>CICSPSEUDOCONVERSE=Y implements 3270 text display with the sequence:</p> <pre>EXEC CICS SEND, EXEC CICS RETURN TRANSID, EXEC CICS RECEIVE</pre> <p>CICSPSEUDOCONVERSE=N uses the sequence:</p> <pre>EXEC CICS SEND, EXEC CICS RECEIVE.</pre> <p>Storage: running in pseudo-conversational mode releases CICS owned storage only. TIBCO Object Service Broker controlled storage is still retained.</p>
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

CICSREGIONSIZE

The amount of virtual storage above the 16 MB line to be made available to the CICS address space.

Environment	z/OS: CICS Execution Environment.
Valid User Values	0K to 2048M
Default	0K

Recommendation	Set this parameter based on the needs of your CICS environment.
Effects	<p>This parameter increases only the site's default upper limit of virtual storage that can be used above the 16 MB line. If this parameter is not coded or is set to 0K, this limit is determined by the REGION CICS parameter or the IEFUSI exit, if coded.</p> <p>This parameter overrides the CICS storage limit set by your systems programmer.</p>
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

CICSVSAMSUNC

Specifies whether the VSAM server should issue SYNCPOINTS under CICS.

Environment	z/OS: CICS Execution Environment.
Abbreviated Name	CICSVSAM
Valid User Values	Y, YES, N, NO
Default	Y
Recommendation	Use the default unless you want to issue your own SYNCPOINTS.
Effects	<p>When you issue a VSAM close at the end of a TIBCO Object Service Broker transaction, a SYNCPOINT is done <i>only</i> if CICSVSAMSUNC=Y or if the session is an API session.</p> <p>You can change the setting during the session by calling \$SETOPT('CICSVSAMSUNC',<i>newvalue</i>).</p>
Related Topics	Refer to <i>TIBCO Object Service Broker Managing External Data</i> for information on handling TIBCO Object Service Broker requests with respect to synchronization.

Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter • Session startup parameter
User Modifiable	Yes.

CLICODEPAGE

The name of the SDK (C/C++)/SDK (Java) code page to be used for national language support. Set by the TIBCO Object Service Broker monitor process.

Environment	Open Systems: applies only to SDK (C/C++) and SDK (Java) sessions.
Effects	<p>The code page setting determines the code page of certain cliProc in and out parameters, as well as the external representation of MAP table fields with "*" external syntax and textual internal syntaxes.</p> <p>NOTE Setting the national character set does not set the decimal separator.</p>
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS External Environments</i> or <i>TIBCO Object Service Broker for Open Systems External Environments</i> for information on the SDK (C/C++) and the SDK (Java).
Type	Session startup parameter.
User Modifiable	<p>No. CLICODEPAGE can be set only by:</p> <ul style="list-style-type: none"> • The cliSetCodepage SDK (C/C++) function • The STARTSS SDK (C/C++) operation • The Session SDK (Java) constructor • The start SDK (Java) method

CLIENDIAN

The SDK (C/C++)/SDK (Java) endian type. This sets the order of the bytes in a word: placing first the most significant or the least significant part of the number.

This parameter can be used only as part of a parameter string passed to the STARTSS cliProc request (SDK (C/C++)) or to the Session or start methods (SDK (Java)).

Environment	Open Systems: applies only to SDK (C/C++) and SDK (Java) sessions.
Abbreviated Name	CLIE
Valid User Values	big, little
Default	The endian type of the SDK (C/C++) or SDK (Java) platform.
Recommendation	Use the default.
Effects	big—The most significant byte is first. little—The least significant byte is first. This parameter affects the external representation of MAP table fields with internal syntax B and "*" external syntax.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS External Environments</i> or <i>TIBCO Object Service Broker for Open Systems External Environments</i> for information on the SDK (C/C++) and the SDK (Java).
Type	Session startup parameter.
User Modifiable	No. CLIENDIAN can be set only by: <ul style="list-style-type: none">• The STARTSS SDK (C/C++) operation• The Session SDK (Java) constructor• The start SDK (Java) method

CLIENTHOSTNAME

The client host name.

Environment	Open Systems: applies only to online sessions.
Recommendation	This is a read-only parameter and should not be modified by a user.

Type	Session startup parameter.
User Modifiable	No.

CLIENTIP

The client IP address.

Environment	Open Systems: applies only to online sessions.
Recommendation	This is a read-only parameter and should not be modified by a user.
Type	Session startup parameter.
User Modifiable	No.

CLIENTPORT

The client TCP/IP port number. The value is set by the parent TIBCO Object Service Broker monitor process.

Environment	Open Systems: applies only to online sessions.
Recommendation	This is a read-only parameter and should not be modified by a user.
Type	Session startup parameter.
User Modifiable	No.

CLIHOST

The TCP/IP host name of the machine that runs the TIBCO Object Service Broker monitor process or the z/OS Execution Environment where the SDK (Java) client is to connect.

Environment	All.
Valid User Values	A valid machine name of up to 64 characters in length.

Default	None
Recommendation	Use the host name of the machine that runs the TIBCO Object Service Broker monitor process (Open Systems) or the Execution Environment (z/OS).
Effects	CLIHOST can be used only as part of a session parameter string passed to a STARTSS cliProc request. It identifies the host name where the SDK (C/C++) client is to establish a session. CLIHOST must be used in pair with the CLIPORT parameter to fully identify the target TIBCO Object Service Broker monitor process (Open Systems) or Execution Environment (z/OS). Use of CLIHOST and CLIPORT pair is optional; the CLINODE parameter can be used instead.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> or <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for additional information about the SDK (C/C++). Also refer to CLINODE on page 45 , CLIPORT on page 46 , HOST on page 76 , IP on page 83 , and PORT on page 103 .
Type	Session startup parameter.
User Modifiable	Yes.

CLIMSGLENMAX

The maximum length of an SDK (C/C++) or SDK (Java) message that can be sent or received between clients and servers. The length includes the message and control information.

Environment	z/OS: CICS Execution Environment, Native Execution Environment.
Valid User Values	0 to 32M
Default	256K
Effects	A value of 0 MB means no limit. Use the specification of 0 MB with caution as it can cause storage constraint in the system.

Type	Execution Environment initialization parameter.
User Modifiable	Yes.

CLINODE

The node name of the TIBCO Object Service Broker monitor process or the z/OS Execution Environment where the SDK (C/C++) client is to connect.

SDK (Java) does not support CLINODE.

Environment	All.
Valid User Values	A valid node name of up to 64 characters in length.
Default	None
Recommendation	For Open Systems, use the name specified for a node in the <code>huron.dir</code> file. For z/OS, use the value of the EENAME parameter, if it exists, or of the MDL parameter, from the <code>HRNIN</code> file.
Effects	CLINODE can be used only as part of a session parameter string passed to a STARTSS cliProc request. It is used to identify the target TIBCO Object Service Broker monitor process (Open Systems) or Execution Environment (z/OS). Use of CLINODE is optional; the CLHOST/CLIPORT pair can be used instead.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> or <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> for additional information about CLINODE and the <code>huron.dir</code> configuration. Also refer to CLHOST on page 43 and CLIPORT on page 46 .
Type	Session startup parameter.
User Modifiable	Yes.

CLIPORT

The TCP/IP port number of the TIBCO Object Service Broker monitor process or the z/OS Execution Environment where the SDK (Java) client is to connect.

Environment	All.
Valid User Values	A valid port number up to 65535.
Default	None
Effects	CLIPORT can be used only as part of a session parameter string passed to a STARTSS cliProc request. It is used in conjunction with CLIHOST to identify the target TIBCO Object Service Broker monitor process (Open Systems) or Execution Environment (z/OS). Use of the CLIHOST/CLIPORT pair is optional; the CLINODE parameter can be used instead.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> or <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for additional information about the SDK (C/C++) and the SDK (Java). Also refer to CLIHOST on page 43 and CLINODE on page 45 .
Type	Session startup parameter.
User Modifiable	Yes.

CLITIMEOUTLIMIT

Specifies the CLI request processing elapsed time interval in centiseconds, after which the IMS TM Logger Exit is disabled and the Execution Environment shutdown.

Environment	z/OS IMS TM
Valid User Values	0 to 2 ³² -1 (100 = 1 second)
Default	1000 (10 seconds) If you specify 0, the system default of 1000 is in effect.
Type	Execution Environment initialization parameter.

User Modifiable	No.
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CLOSE

Closes the TIBCO Object Service Broker monitor process that is listening on the host specified by the [HOST](#) parameter and listening on the port specified by the [PORT](#) parameter.

Environment	Open Systems.
Abbreviated Name	C
Valid User Values	CLOSE, C
Default	An empty string
Effects	When CLOSE is specified with a TIBCO Object Service Broker monitor process, this process initiates a close sequence for the target TIBCO Object Service Broker monitor process and then exits immediately. As the target TIBCO Object Service Broker monitor process closes, its listening port is shutdown and it waits for any child Execution Environment processes to exit before exiting.
Related Topics	For additional information, refer to HOST on page 76 , PORT on page 103 , and STOP on page 162 .
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

CLOSEEE

Stops the specified Execution Environment process started by the TIBCO Object Service Broker monitor process that is running on the host specified by the [HOST](#) parameter and listening on the port specified by the [PORT](#) parameter.

Environment	Open Systems.
Abbreviated Name	CEE

Valid User Values	The Execution Environment operating system process ID, or the EENAME :Execution Environment instance pair.
Default	An empty string.
Effects	When CLOSEEE is specified with a TIBCO Object Service Broker monitor process, this process initiates a stop sequence for the target instance of Execution Environment and then exits immediately. The target instance of the Execution Environment waits for all its sessions to stop.
Related Topics	For additional information, refer to HOST on page 76 , PORT on page 103 , and STOPEE on page 164 . See also <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> .
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

COMMITSIZE

The buffer size for the intent list of a transaction.
The list contains all the uncommitted database updates for the transaction.

Environment	All.
Abbreviated Name	z/OS: none Open Systems: CS
Valid User Values	<ul style="list-style-type: none">16K to 32KNumeric values, such as 18000, are accepted; they are rounded to the next higher KB Open Systems: Appears as a hexadecimal value in the log.
Default	16K

Effects	<p>With COMMITSIZE=16K, an application that updates long rows where the length is 1 KB or more has to commit every 16 rows. Increasing COMMITSIZE to 32 KB allows the application to extend the number of row updates to 32, thereby maintaining a larger logical unit of work.</p> <p>For an application that updates rows with short row lengths and runs into a COMMITLIMIT exception, increasing COMMITSIZE allows a larger logical unit of work, that is, a larger number of updates.</p> <p>Extending COMMITSIZE for this application could require a corresponding increase in the WORKINGSET Data Object Broker parameter. This avoids the Data Object Broker “too many buffers required” error message that implies that the logical unit of work is updating too many data store pages.</p> <p>For some applications, extending COMMITSIZE allows fewer intermediate COMMITs. This lowers the number of sync messages from the Execution Environment to the Data Object Broker.</p>
Type	Execution Environment initialization parameter.
User Modifiable	Yes.

CONFIGURATION

The default Execution Environment configuration name.

Environment	z/OS.
Abbreviated Name	CONFIG
Valid User Values	A three- to eight-character name.
Default	<ul style="list-style-type: none"> • S6BDRCB0—TIBCO Object Service Broker Batch Execution Environment • S6BDRCC0—CICS Execution Environment • S6BDRCI0—IMS TM Execution Environment • S6BDRCN0—Native Execution Environment • S6BDRCT0—TSO Execution Environment

Recommendation	Use the defaults, unless you have a requirement for multiple modules in a specific environment.
Effects	This parameter is specified at Execution Environment initialization to select an alternative module to supply the configuration defaults. The TIBCO Object Service Broker SVC number (specified by the SVC parameter) is extracted from the default module of the respective environment, regardless of the setting of the parameter.
Related Topics	For additional information, refer to SVC on page 165 .
Type	Execution Environment initialization parameter.
User Modifiable	Yes.

CONNTIMEOUT

The amount of time, in seconds, that the TIBCO Object Service Broker monitor process waits for a connection to be made before timing out.

Environment	Open Systems.
Abbreviated Name	CTO
Valid User Values	0 to 2147483647
Default	120
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

DATEFORMAT

The default date format for a session.

Environment	Open Systems.
Abbreviated Name	DF
Valid User Values	A valid TIBCO Object Service Broker date format; length must be other than six (6).

Default	YYYY-MM-DD
Recommendation	Refer to <i>TIBCO Object Service Broker Shareable Tools</i> for a listing of valid formats.
Effects	All fields defined as TYPE=DATE use this date format.
Related Topics	On the TIBCO Object Service Broker z/OS platform, the \$SYSDATE macro is used to set date masks. Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for information about using the \$SYSDATE macro.
Type	Session startup parameter.
User Modifiable	Yes.

DAYS

The spelling to be used for names of the days of the week when converting a date field to a string.

Environment	Open Systems.
Abbreviated Name	DY
Valid User Values	A series of words up to 16 characters in length each.
Default	Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday
Related Topics	On the TIBCO Object Service Broker z/OS platform, the \$SYSDATE macro is used to set date masks. Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for information about using the \$SYSDATE macro.
Type	Session startup parameter.
User Modifiable	Yes.

DB2LOG

Specifies whether the Execution Environment is to log DB2 server commands for the purpose of creating STATIC SQL handlers.

Environment	z/OS.
Valid User Values	Y, YES, N, NO
Default	N
Related Topics	Refer to <i>TIBCO Service Gateway for DB2 Installing and Operating</i> for more detail.
Type	Execution Environment initialization parameter.
User Modifiable	Yes.

DECIMALSEPARATOR

The character to be used as the decimal separator.

Environment	All.
Abbreviated Name	DECSEP
Valid User Values	period (.) or ('.') and comma (','). That is, the period can appear with or without single quotation marks, while the comma must appear within single quotation marks.
Default	period (.)
Effects	<p>Specifies the character to be used as the decimal separator. The value can be queried by the \$GETOPT tool.</p> <p>Note Setting the national character set does not set the decimal separator.</p>
Type	Session startup parameter.
User Modifiable	Yes.

DEFAULT_EE_NAME

The default value of the [EENAME](#) parameter.

Environment	Open Systems.
Abbreviated Name	DEN
Valid User Values	A word of up to 32 characters in length.
Default	DEFAULT
Type	System parameter.
User Modifiable	Yes.

DEFAULT_MON_NAME

The default value of the [MONNAME](#) parameter.

Environment	Open Systems.
Abbreviated Name	DMN
Valid User Values	A word of up to 32 characters in length.
Default	DEFAULT
Type	System parameter.
User Modifiable	Yes.

DEFAULT_SESSION_NAME

The default value of the [SESSNAME](#) parameter.

Environment	Open Systems.
Abbreviated Name	DSN
Valid User Values	A word of up to 32 characters in length.
Default	DEFAULT

Type	System parameter.
User Modifiable	Yes.

DEFAULT_TTY_NAME

The default value of the ostty [NAME](#) parameter.

Environment	Open Systems.
Abbreviated Name	DTN
Valid User Values	A word of up to 32 characters in length.
Default	DEFAULT
Type	System parameter.
User Modifiable	Yes.

DELETELOG

The number of seconds after which a log file is to be deleted.

Environment	Open Systems.
Abbreviated Name	DL
Valid User Values	0 to x'7FFFFFFF' (2147483647, about 68 years)
Default	0 (This indicates that the log file should never be deleted.)
Recommendations	<div>If you do not want a log file deleted, do one of the following:<ul style="list-style-type: none">• Move it from the %OS_ROOT%\log (Windows) or \${OS_ROOT}/log (Solaris) directory• Set its read-only attribute</div>

Effects	<p>Only log files not marked as read-only are deleted. They are deleted when the current time minus the last change time of the log file is greater than the value specified for DELETELOG.</p> <p>Startup logs require special consideration: Startup log files are opened and appended to by all TIBCO Object Service Broker processes run during a day. When the date changes, a startup log is not used again. The startup log file is deleted only when the current time is greater than the value specified for DELETELOG after the end of the day when the startup log is created.</p> <p>The hrncr log files are never deleted.</p>
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

DOB

The name of the Data Object Broker to which a session is to connect. Can also affect binding between sessions.

Environment	Open Systems.
Abbreviated Name	<p>osMon: D</p> <p>osee: DB</p>
Valid User Values	A valid upper case alphanumeric identifier of one to 16 characters in length.
Default	<p>osMon: an empty string</p> <p>osee: For online sessions, it defaults to the OSMONDOB parameter value. For osBatch, it defaults to an empty string.</p>
Recommendation	<p>The Data Object Broker name is expected to be set to the name of an accessible Data Object Broker whose connection information is listed in the file specified by the OSDIR parameter.</p> <p>The simplest way to set the DOB parameter is to set the osMon DOB parameter and let osee use it as the default.</p>

Effects	<p>When you use the TIBCO Object Service Broker monitor process (osMon) parameter, osMon writes this name to the OSMONDOB parameter to serve as a default value for the Execution Environment (osee) initialization parameter.</p> <p>As an osee parameter, this is the name of the Data Object Broker to which all sessions in the osee connect.</p> <p>Binding between sessions is performed only if the osMon DOB parameter is not empty and the osee DOB parameter is either empty or is the same as the osMon DOB parameter.</p>
Related Topics	<p>Refer to OSDIR on page 99 and to OSMONDOB on page 99 for more information. Refer to <i>TIBCO Object Service Broker Application Administration</i> for more information about binding.</p>
Type	<ul style="list-style-type: none">• TIBCO Object Service Broker monitor parameter• Execution Environment initialization parameter
User Modifiable	Yes.

DSBIFTYPE

The file type used to process calls to the [@READDSN](#) and [@WRITEDSN](#) tools and the load/unload to external files tools.

Environment	Open Systems.
Abbreviated Name	DSBT
Valid User Values	LENGTH_PREFIXED_EBCDIC, LINE_SEPARATED_ASCII
Default	LENGTH_PREFIXED_EBCDIC
Recommendation	Use the file type of LENGTH_PREFIXED_EBCDIC if you are using the load/unload to external file tools.

Effects	<p>LENGTH_PREFIXED_EBCDIC—Native TIBCO Object Service Broker format. This data is stored in EBCDIC and big-endian format. The length of a record is determined by a length stored in the first two bytes of a record.</p> <p>LINE_SEPARATED_ASCII—ASCII line-oriented data where the end of a line is delimited by a new line character or the end of the file format.</p>
Type	Session startup parameter.
User Modifiable	Yes.

DSDIR

The path to the directory containing files accessed with the [@OPENDSN](#) tool, import and export tables, and load/unload to external files tools.

Environment	Open Systems.
Abbreviated Name	DSD
Valid User Values	A valid path of up to 255 characters in length.
Default	The current working directory of the osee process.
Related Topics	Refer to WORKINGDIR on page 188 for more information.
Type	Session startup parameter.
User Modifiable	Yes.

DSFIELDSEP

The field separator for TEXT type import and export tables.

Environment	Open Systems.
Abbreviated Name	DSFS
Valid User Values	COMMA, SPACE, TAB, NONE

Default	NONE
Recommendation	Use the default
Effects	<p>If both quote character and field separator characters are defined, fields are delimited by the quote characters.</p> <p>If quote character is NONE and a field separator is defined, a backslash (\) is inserted in the output before any characters that are the same character as the field separator and that are not generated as field separators. The backslash does not appear before the actual separator.</p> <p>For example, if you set quote character to NONE, and field separator to COMMA, commas that your application inserts, that are not field separators, are preceded by a backslash in the output.</p>
Type	Session startup parameter.
User Modifiable	Yes.

DSIXFTYPE

The file type used to process import and export tables.

Environment	Open Systems.
Abbreviated Name	DSXT
Valid User Values	LENGTH_PREFIXED_EBCDIC, LENGTH_PREFIXED_EBCDIC_NATIVE_ENDIAN, LINE_SEPARATED_ASCII
Default	LINE_SEPARATED_ASCII

Effects	<p>LENGTH_PREFIXED_EBCDIC—Native TIBCO Object Service Broker format. This data is stored in EBCDIC and big-endian format. The length of a record is determined by a length stored in the first two bytes of a record.</p> <p>LENGTH_PREFIXED_EBCDIC_NATIVE_ENDIAN—The native format of the platform.</p> <p>LINE_SEPARATED_ASCII—ASCII line-oriented data where the end of a line is delimited by a new line character or the end of the file format.</p>
Type	Session startup parameter.
User Modifiable	Yes.

DSQUOTE

The quote character used for TEXT import tables.

Environment	Open Systems.
Abbreviated Name	DSQ
Valid User Values	DOUBLE, SINGLE, NONE
Default	SINGLE
Effects	<p>If both quote character and field separator characters are defined, fields are delimited by the quote characters.</p> <p>If quote character is NONE and a field separator is defined, a backslash (\) is inserted in the output before any characters that are the same character as the field separator, and that are not generated as field separators. The backslash does not appear before the actual separator.</p> <p>For example, if you set quote character to NONE, and field separator to COMMA, commas that your application inserts, that are not field separators, are preceded by a backslash in the output.</p>
Type	Session startup parameter.
User Modifiable	Yes.

EEBIN

The Execution Environment binary name.

Environment	Open Systems.
Valid User Values	A word of up to 256 characters in length.
Default	osee
Recommendation	This parameter should not be modified by a user.
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes, but modification is not recommended.

EEINSTANCE

The Execution Environment instance number.

Environment	Open Systems.
Effects	This parameter’s value can be used as a reference to the Execution Environment process that runs the session.
Related Topics	Refer to EENAME on page 61 for additional information.
Type	Session startup parameter.
User Modifiable	No.

EELOG

The name of the Execution Environment log file.

Environment	Open Systems.
Abbreviated Name	EEL
Valid User Values	A valid filename of up to 256 characters in length.

Default	<p>For batch Execution Environments: <code>ee.name.mm.dd-hh.MM.ss.log</code>,</p> <p>For all other Execution Environments: <code>ee.monname.name.mm.dd-hh.MM.ss.instance.log</code>,</p> <p>where:</p> <ul style="list-style-type: none"> • <i>name</i> is the name of the Execution Environment parameter group (refer to NAME on page 95) • from the Execution Environment startup timestamp: <ul style="list-style-type: none"> — <i>mm</i> is the month — <i>dd</i> is the day — <i>hh</i> is the hour — <i>MM</i> is the minutes — <i>ss</i> is the seconds • <i>monname</i> is the name of the TIBCO Object Service Broker monitor parameter group (refer to NAME on page 95) • <i>instance</i> is the Execution Environment instance number
Recommendation	Use the default.
Type	Execution Environment initialization parameter.
User Modifiable	Yes.

EENAME

The name of the Execution Environment to be used to run the session.

Environment	<p>z/OS: Native Execution Environment, IMS TM MPR, CICS.</p> <p>Open Systems.</p>
Abbreviated Name	EE
Valid User Values	<p>z/OS: A word of up to 8 characters in length.</p> <p>Open Systems: A word of up to 32 characters in length.</p>

Default	<p>z/OS: none</p> <p>Open Systems: an empty string</p>
Recommendation	<p>z/OS: Use a name that starts and ends with an alphabetic character (does not end in a numeric character). For Execution Environments supporting the SDK (C/C++) or the SDK (Java), specify the 8-byte ID of the IP address of the TCP/IP socket.</p>
Effects	<p>z/OS:</p> <ul style="list-style-type: none">• If not specified, the value for the MDL parameter is used. If specified, the value for EENAME is used instead of the value for the MDL parameter. Refer to MDL on page 91 for more information about the MDL parameter.• If you specify a value of the form AAAAnnn, that is, one that ends in numeric characters, communications tries to open an identifier of AAA001, AAA002, and so on, until either it finds an available ID or the pool of names is exhausted.• For a Native Execution Environment, EENAME should NOT end in numerics, to avoid pattern matching behavior.• For the SDK (C/C++) and the SDK (Java) running under a Native Execution Environment, if the Native Execution Environment is to support VTAM terminals, the VTAM definitions should have the same applid. <p>Open Systems:</p> <p>This parameter defines which osee process is to run the session. The monitor process tries to find an instance of osee with the specified name and number of running sessions below the value of the MAXSESSION parameter. If it finds such an instance, it selects that instance to run the new session. Otherwise, a new instance of osee with the specified name and with parameters corresponding to that name is created to run the new session.</p>
Related Topics	<p>Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for information about specifying the application identifier model.</p>

Type	z/OS: <ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter • Session startup parameter Open Systems: Session startup parameter
User Modifiable	Yes.

EEWTODELETE

Specifies whether to suppress informational error messages that are destined for the console.

Environment	z/OS.
Valid User Values	YES, Y, NO, and N
Default	N
Recommendation	Use the default to print the messages with suffix I that are destined for the console, unless you want the system to suppress them.
Type	Execution Environment initialization parameter.
User Modifiable	Yes.

EMSWIRECODEPAGE

Specifies the codepage (net_codepage) that TIBCO Enterprise Message Service uses to transmit TIBCO Enterprise Message Service messages.

Environment	z/OS.
Valid User Values	ISO8859-1 and UTF-8.
Default	null (this results in a codepage of ISO8859-1).
Type	Execution Environment initialization parameter.
User Modifiable	Yes

See also: Refer to *TIBCO Enterprise Message Service C and COBOL Reference* for information on the `tibems_SetCodePages()` function and to *TIBCO Object Service Broker National Language Support* for the value of the `host_codepage` mentioned in *TIBCO Enterprise Message Service C and COBOL Reference*.

ERRMESSAGESCREEN

The response to the CICS end message that is issued when a TIBCO Object Service Broker session ends.

Environment	z/OS: CICS Execution Environment.
Abbreviated Name	ERRMSGSCR
Valid User Values	HOLD, NOHOLD
Default	HOLD
Recommendation	<p>Use the default. In conjunction with <code>ERRMESSAGESCREEN=HOLD</code>, you can set the <code>RTIMOUT</code> CICS transaction profile parameter to an appropriate value (for example, two minutes). This prevents CICS from entering a terminal <code>READ</code> state immediately, enabling the operator to read the end message and respond.</p> <p>NOTE If CICS does not receive input from the terminal before the time-out period specified by <code>RTIMOUT</code> expires, the transaction is terminated abnormally.</p> <p><code>RTIMOUT</code> has no effect for MRO connections. In an MRO environment, you can use the terminal-level <code>TYPETERM</code> equivalent <code>SIGNOFF</code> setting. The time-out value can then be set in the RACF profile information.</p>

Effects	<p>When a TIBCO Object Service Broker session ends with a SESSIONENDACTION, an error message is sent to the terminal. ERRMESSAGESCREEN specifies how you want to handle the error message screen that appears:</p> <ul style="list-style-type: none"> • HOLD—Waits for the terminal operator to read the message before terminating the TIBCO Object Service Broker transaction. The transaction is conversational while it waits for terminal input. • NOHOLD—Displays the error message screen for two seconds and then terminates the task.
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter • Session startup parameter
User Modifiable	Yes.

Associated Documentation The *CICS Resource Definition Guide* IBM manual for information about the RTIMOUT CICS parameter.

EVENTLOGHOST

The target machine for event log messages.

Environment	Windows.
Abbreviated Name	ELH
Valid User Values	A string of up to 255 characters in length.
Default	localhost
Type	System parameter.
User Modifiable	Yes.

EVENTLOGMSGTYPES

The types of message to be written to the Windows event log or to the Solaris system log.

Environment	Open Systems.
Abbreviated Name	ELMT
Valid User Values	One or more of the following, each separated by a single space: INFORMATION, LOG, WARNING, ERROR; or an empty string meaning that no message is to be written
Default	Empty string
Effects	<ul style="list-style-type: none">• INFORMATION—Informational messages• LOG—Audit log messages• WARNING—Warning messages• ERROR—Error messages
Type	System parameter.
User Modifiable	Yes.

EXECHASHSIZE

The number of Executor rule name hash table buckets.

Environment	z/OS.
Valid User Values	127 to 4K
Default	127
Recommendation	Use the default.
Effects	Storage: This value is used to determine the number of entries in the rule name hash table. Each table entry is 4 bytes long and is allocated for each transaction stream level. The storage is non-fixed virtual above the 16 MB line.

Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

EXECLOCALNAME SIZE

The size of the Executor Local Name table.

Environment	z/OS.
Valid User Values	1K to 176K
Default	12K
Recommendation	Use the default.
Effects	This parameter is used to determine the size of the table containing local variable names and is allocated for each transaction stream level. Each local variable uses a 24-byte table entry. The storage is non-fixed virtual above the 16 MB line.
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

EXECLOCAL SIZE

The size of the area for rules local variables.

Environment	z/OS.
Abbreviated value	LOCALSIZE
Valid User Values	1K to 256K
Default	16K

Recommendation	Use the default unless you are using large strings or are accessing CICS or IMS COMMAREAs; then set EXECLOCALSIZE to 128K.
Effects	Storage: This is used to determine the size of the heap containing storage for TIBCO Object Service Broker local variables and is allocated for each transaction stream level. The storage is non-fixed virtual above the 16 MB line.
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter • Session startup parameter
User Modifiable	Yes.

EXECSCOPE SIZE

The size of the Executor Scope stack.

Environment	z/OS.
Valid User Values	1K to 64K
Default	2K
Recommendation	Use the default, unless performing a significant amount of nesting within FORALL statements.
Effects	Allocates storage for the Executor Scope stack of each transaction stream level. Each entry corresponds to one nested FORALL statement. The size of each entry is 22 bytes plus the length of all parameters of the table. The storage is non-fixed virtual above the 16 MB line.
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

EXECSTACKSIZE

The size of the rules executor runtime stack in bytes.

Environment	All.
Abbreviated value	STACKSIZE
Valid User Values	16K to 256K
Default	70K
Recommendation	Use the default, unless you are using CICS or IMS COMMAREAs; then set EXECSTACKSIZE to 128K.
Effects	<p>Allocates storage for the interpreter runtime stack of each transaction stream level.</p> <p>z/OS storage: The storage is non-fixed virtual above the 16 MB line.</p>
Type	<p>z/OS:</p> <ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter • Session startup parameter <p>Open Systems: Session startup parameter.</p>
User Modifiable	Yes.

FILEGDGSEARCH

The method of allocation of GDG (Generation Data Group) data sets accessed either as tables of type IMP and EXP or through the [@OPENDSN](#), [@READDSN](#), [@WRITEDSN](#) shareable tools.

TIBCO Object Service Broker passes this information to the operating system for use during dynamic allocation.

Environment	z/OS.
Abbreviated Name	FILEGDG
Valid User Values	STATIC, DYNAMIC

Default	STATIC
Recommendation	Set as appropriate.
Effects	<ul style="list-style-type: none">• If FILEGDGSEARCH=STATIC, the requested level of the GDG is allocated based on the state of the GDG at the time of the first allocation under TIBCO Object Service Broker. This behavior was standard before the introduction of this parameter. This ensures that multiple accesses to the same level from the same TIBCO Object Service Broker session results in the same data set generation being accessed.• If FILEGDGSEARCH=DYNAMIC, the requested level of the GDG is allocated by doing a catalog search. This is to ensure that level 0 always returns the most recent data set generation. If the same level is requested more than once in a TIBCO Object Service Broker session, the data set accessed could differ.
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter• Session startup parameter
User Modifiable	Yes.

HAWKANAME

The TIBCO Hawk microagent application name for a Hawk microagent embedded in the TIBCO Object Service Broker monitor process (osMon) or the TIBCO Object Service Broker batch client (osBatch). This name can be used by TIBCO Hawk Agents when applying a Hawk rulebase. For online Execution Environments, the value is set by the parent TIBCO Object Service Broker monitor process.

Environment	Open Systems.
Valid User Values	A string of up to 128 characters in length.
Default	An empty string.

Effects	<p>If the value is an empty string, the default application name used will be based upon the location of the Hawk microagent:</p> <p>Hawk microagent embedded within osMon:</p> <p style="padding-left: 40px;">com.tibco.osb.osMon</p> <p>Hawk microagent embedded within osBatch:</p> <p style="padding-left: 40px;">com.tibco.osb.osBatch.</p>
Recommendation	Set as appropriate to avoid Hawk microagent application name collisions.
Related Topics	Refer to <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> for more information about the TIBCO Object Service Broker interface to TIBCO Hawk.
Related Parameters	HAWKNAME on page 72.
Type	<ul style="list-style-type: none"> • TIBCO Object Service Broker monitor parameter. • Execution Environment initialization parameter.
User Modifiable	Yes.

HAWKDAEMON

The TIBCO Hawk Rendezvous daemon and TCP port parameters. For online Execution Environments, the value is set by the parent TIBCO Object Service Broker monitor process.

Environment	Open Systems.
Valid User Values	A string of up to 128 characters in length.
Default	An empty string.
Effects	Setting this parameter enables the Hawk microagent within osMon or osBatch.

Related Topics	Refer to <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> for more information about the TIBCO Object Service Broker interface to TIBCO Hawk. Refer to product documentation for TIBCO Hawk and TIBCO Rendezvous for information about the Rendezvous daemon parameter.
Related Parameters	HAWKNAME on page 72. HAWKNETWORK on page 73. HAWKPOLL on page 74. HAWKSERVICE on page 75.
Type	<ul style="list-style-type: none">• TIBCO Object Service Broker monitor parameter.• Execution Environment initialization parameter.
User Modifiable	Yes.

HAWKNAME

The TIBCO Hawk microagent display name for a Hawk microagent embedded in the TIBCO Object Service Broker monitor process (osMon) or the TIBCO Object Service Broker batch client (osBatch). This name is displayed when using a TIBCO Hawk console application, such as TIBCO Hawk Display. For online Execution Environments, the value is set by the parent TIBCO Object Service Broker monitor process.

Environment	Open Systems.
Valid User Values	A string of up to 128 characters in length.
Default	An empty string.

Effects	<p>If the value is an empty string, a default display name will be generated based upon the location of the Hawk microagent:</p> <p>Hawk microagent embedded within osMon:</p> <p style="padding-left: 40px;">TIBCO OSB Monitor, Name <name>, Host <host>, Port <port></p> <p>When osMon is configured to only listen on a specific network interface, the following is used:</p> <p style="padding-left: 40px;">TIBCO OSB Monitor, Name <name>, Host <host>, IP <address>, Port <port></p> <p>Hawk microagent embedded within osBatch:</p> <p style="padding-left: 40px;">TIBCO OSB Batch Execution Environment, Name <name>, Host <host></p>
Related Topics	Refer to <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> for more information about the TIBCO Object Service Broker interface to TIBCO Hawk.
Related Parameters	HAWKNAME on page 70.
Type	<ul style="list-style-type: none"> • TIBCO Object Service Broker monitor parameter. • Execution Environment initialization parameter.
User Modifiable	Yes.

HAWKNETWORK

The TIBCO Hawk Rendezvous network parameter. For online Execution Environments, the value is set by the parent TIBCO Object Service Broker monitor process.

Environment	Open Systems.
Valid User Values	A string of up to 128 characters in length.
Default	An empty string.
Effects	Setting this parameter enables the Hawk microagent within osMon or osBatch.

Related Topics	Refer to <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> for more information about the TIBCO Object Service Broker interface to TIBCO Hawk. Refer to product documentation for TIBCO Hawk and TIBCO Rendezvous for information about the Rendezvous network parameter.
Related Parameters	HAWKDAEMON on page 71. HAWKPOLL on page 74. HAWKSERVICE on page 75.
Type	<ul style="list-style-type: none">• TIBCO Object Service Broker monitor parameter.• Execution Environment initialization parameter.
User Modifiable	Yes.

HAWKPOLL

The number of milliseconds to wait between TIBCO Hawk session creation attempts. For online Execution Environments, the value is set by the parent TIBCO Object Service Broker monitor process.

Environment	Open Systems.
Valid User Values	1000 to 2147483647
Default	5000.
Effects	If the internal Hawk microagent is not able to establish a connection to TIBCO Hawk, then it will sleep for at most the specified number of microseconds before trying again.
Related Topics	Refer to <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> for more information about the TIBCO Object Service Broker interface to TIBCO Hawk.
Related Parameters	HAWKDAEMON on page 71. HAWKNETWORK on page 73. HAWKSERVICE on page 75.

Type	<ul style="list-style-type: none"> • TIBCO Object Service Broker monitor parameter. • Execution Environment initialization parameter.
User Modifiable	Yes.

HAWKSERVICE

The TIBCO Hawk Rendezvous UDP service port. For online Execution Environments, the value is set by the parent TIBCO Object Service Broker monitor process.

Environment	Open Systems.
Valid User Values	A string of up to 128 characters in length.
Default	An empty string.
Effects	Setting this parameter enables the Hawk microagent within osMon or osBatch.
Related Topics	Refer to <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> for more information about the TIBCO Object Service Broker interface to TIBCO Hawk. Refer to product documentation for TIBCO Hawk and TIBCO Rendezvous for information about the Rendezvous network parameter.
Related Parameters	HAWKDAEMON on page 71. HAWKNETWORK on page 73. HAWKPOLL on page 74.
Type	<ul style="list-style-type: none"> • TIBCO Object Service Broker monitor parameter. • Execution Environment initialization parameter.
User Modifiable	Yes.

HELP

Displays help information for TIBCO Object Service Broker monitor process parameters.

Environment	Open Systems.
Valid User Values	HELP
Default	An empty string.
Effects	This parameter can be specified only from a command line. It is ignored for online execution.
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

HOST

The name of the host machine where the TIBCO Object Service Broker monitor process listens for connections; also, the name of the destination machine for the STOP, CLOSE, RELOADPARAMS, STOPEE, CLOSEEE, STOPSESS, and STATUS TIBCO Object Service Broker monitor commands.

Environment	Open Systems.
Abbreviated Name	H
Valid User Values	A string of up to 64 characters in length.
Default	An empty string.

Effects	<ul style="list-style-type: none"> • If HOST is set to an empty string and the IP parameter is set to an empty string, the TIBCO Object Service Broker monitor process listens on all IP addresses associated with the machine where it is executing. • If HOST is not set to an empty string or the IP parameter is not set to an empty string, the TIBCO Object Service Broker monitor process listens only to the specified IP address. • If both HOST and IP are not set to empty strings, both parameters must specify the same IP address.
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

IBMFLOAT, NOIBMFLOAT

Specifies whether to use emulated IBM S/370 floating-point operations for all arithmetic on floating point data.

Environment	Open Systems.
Abbreviated Name	IBMF, NOIBMF
Valid User Values	IBMFLOAT, IBMF, NOIBMFLOAT, NOIBMF
Default	IBMFLOAT
Recommendation	Use IBMFLOAT to obtain identical results when running on Windows or Solaris as compared with z/OS or to obtain greater precision for the results. Use NOIBMFLOAT only if it is important to ensure that results obtained on TIBCO Object Service Broker Release 4.0 or later are identical to those obtained on Release 3.2.
Type	Session startup parameter.
User Modifiable	Yes.

IDLETIMEOUT

The time in seconds an Execution Environment with no sessions waits before it shuts down.

Environment	Open Systems.
Abbreviated Name	ITO
Valid User Values	0 to 2147483647
Default	60
Recommendation	Set it depending on your resource requirements.
Type	Execution Environment initialization parameter.
User Modifiable	Yes.

IMSSCREENATTRIBU

Specifies whether terminals with sessions established under this IMS TMclient or Native Execution Environment have the extended data stream or extended attribute support.

Environment	z/OS: IMS TM client (MPR), Native Execution Environment.
Abbreviated Name	IMSEDS
Valid User Values	YES and NO
Default	none
Recommendation	Specify according to capabilities of terminals.

Effects	<p>This parameter can be specified in the MPR, in the Native Execution Environment, or in both.</p> <ul style="list-style-type: none"> • If this parameter is not specified in the MPR, the Native Execution Environment setting is used. • If specified both in the MPR and the Native Execution Environment, the MPR setting is used. • If not specified in either the MPR or the Native Execution Environment, no extended attribute support is assumed for IMS TM terminals.
Type	<ul style="list-style-type: none"> • Configuration parameter • IMS TM client • Native Execution Environment initialization parameter • Native Execution Environment JCL EXEC PARM
User Modifiable	Yes.

IMSSCREENTRAN

The name of the transaction to invoke when resuming a TIBCO Object Service Broker IMS TM conversational transaction in the Message Processing Region (MPR).

Environment	z/OS: IMS TM MPR.
Valid User Values	A string of up to 8 characters in length.
Default	S6BDCKRN
Recommendation	Use the default IMSSCREENTRAN=S6BDCKRN.

Effects	<p>The named conversational IMS transaction must be associated with the S6BDCKRN TIBCO Object Service Broker IMS continuation-client program.</p> <p>The named transaction is used by TIBCO Object Service Broker to implement the rules statements DISPLAY, UNTIL DISPLAY, and DISPLAY & TRANSFERCALL in an IMS TM conversational environment.</p> <p>To use one IMS TM system to connect to multiple TIBCO Object Service Broker environments, specify a transaction code name on the IMSSCREENTRAN parameter that is different from the default S6BDCKRN. To avoid an 806 abend when loading the module with the new name, relink the S6BDCKRN module with the new module name. The PSB name must match the transaction code to avoid a 0C4 abend.</p>
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

IMSSCREENTRANNC

The name of the transaction to invoke when resuming a TIBCO Object Service Broker IMS TM non-conversational transaction in the Message Processing Region (MPR).

Environment	z/OS: IMS TM MPR.
Valid User Values	A string of up to 8 characters in length.
Default	S6BNCKRN
Recommendation	Use the default IMSSCREENTRANNC=S6BNCKRN.
Effects	<p>The named non-conversational IMS transaction must be associated with the S6BNCKRN TIBCO Object Service Broker IMS continuation-client program. The named transaction is used by TIBCO Object Service Broker to implement the rules statements DISPLAY, UNTIL DISPLAY, and DISPLAY & TRANSFERCALL in an IMS TM non-conversational environment.</p>

Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

INSTANCE

The instance number for an Execution Environment process. It is used in conjunction with the [MAXSESSION](#) and [EENAME](#) parameters.

Environment	Open Systems: except for batch.
Recommendation	This is a read-only parameter and should not be modified by a user.
Effects	The value for MAXSESSION determines when a new instance is created for an Execution Environment. Refer to MAXSESSION on page 90 and EENAME on page 61 for additional information.
Type	Execution Environment initialization parameter.
User Modifiable	No.

INSTLIB

The name of the library that holds the rules for the installation promoted from the local libraries.

Environment	All.
Abbreviated Name	I
Valid User Values	A string of up to 8 characters in length.

Default	<p>z/OS: SITE</p> <p>Open Systems:</p> <ul style="list-style-type: none">• osMon and osBatch: SITE.• TIBCO Object Service Broker UI, Object Integration Gateway, ostty, SDK (C/C++), and SDK (Java): The value is set by the parent TIBCO Object Service Broker monitor process.
Recommendation	<p>z/OS: Use the default.</p> <p>Open Systems:</p> <ul style="list-style-type: none">• For osMon and osBatch, use the default of SITE.• For TIBCO Object Service Broker UI, Object Integration Gateway, ostty, SDK (C/C++), and SDK (Java) sessions, this is a read-only parameter and should not be modified by a user.
Effects	<p>Establishes the library to be searched for application rules.</p>
Type	<p>z/OS:</p> <ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter• Session startup parameter <p>Open Systems:</p> <ul style="list-style-type: none">• Execution Environment initialization parameter• TIBCO Object Service Broker monitor parameter
User Modifiable	<p>z/OS: Yes.</p> <p>Open Systems:</p> <ul style="list-style-type: none">• osMon and osBatch: Yes• Other session types: No

INSTLIBNUM

The estimated number of rules that can be executed during a session from the installation library, for the rules manager.

Environment	z/OS.
Valid User Values	128 to 65531
Default	8192
Recommendation	Use the default, or the actual number of rules in your system/installation library.
Effects	<p>This value determines the number of entries in the installation library rules name hash table. If the value is less than the number of rules that can be executed, the table grows dynamically. Over-allocating increases storage usage unnecessarily, while under-allocating could increase search time, as the dynamic nature of the table chains new entries to the original table.</p> <p>Each entry is 4 bytes long. Storage allocated is virtual, non-fixed, above the 16 MB line, and allocated once at Execution Environment initialization.</p>
Type	Execution Environment initialization parameter.
User Modifiable	Yes.

IP

The IP address of the host where the TIBCO Object Service Broker monitor process listens for connections.

Environment	Open Systems.
Valid User Values	A valid IP address of up to 15 characters in length.
Default	An empty string.

Effects	<ul style="list-style-type: none">• If IP is set to an empty string and the HOST parameter is set to an empty string, the TIBCO Object Service Broker monitor process listens on all IP addresses associated with the machine where it is executing.• If IP is not set to an empty string or the HOST parameter is not set to an empty string, the TIBCO Object Service Broker monitor process listens only to the specified IP address.• If both IP and HOST are not set to empty strings, both parameters must specify the same IP address.
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

IPCKEY

The unique identifier for the binding area IPC key.

Environment	Solaris.
Abbreviated Name	IPCK
Valid User Values	0 to 0x7FFF
Default	0x7900
Recommendations	This must be a unique value for each TIBCO Object Service Broker monitor process.
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

KEEPEELOG

Specifies whether to keep the Execution Environment log after the Execution Environment shuts down.

Environment	Open Systems.
Abbreviated Name	KEEL

Valid User Values	ALWAYS, ANY_MSG, WARNING_MSG, ERROR_MSG, NEVER
Default	ALWAYS
Effects	<p>ALWAYS—Never deletes the log at Execution Environment shutdown.</p> <p>ANY_MSG—Deletes the log file only if no messages were logged (other than the parameter listings).</p> <p>WARNING_MSG—Deletes the log file only if no warning or error messages were logged.</p> <p>ERROR_MSG—Deletes the log file only if no error messages were logged.</p> <p>NEVER—Always deletes the log file at Execution Environment shutdown.</p>
Type	Execution Environment initialization parameter.
User Modifiable	Yes.

KEEPOSMONLOG

Specifies whether to keep the monitor process log after the TIBCO Object Service Broker monitor process shuts down.

Environment	Open Systems.
Abbreviated Name	KOSML
Valid User Values	ALWAYS, ANY_MSG, WARNING_MSG, ERROR_MSG, NEVER
Default	ALWAYS

Effects	ALWAYS—Never deletes the log at process shutdown. ANY_MSG—Deletes the log file only if no messages were logged (other than the parameter listings). WARNING_MSG—Deletes the log file only if no warning or error messages were logged. ERROR_MSG—Deletes the log file only if no error messages were logged. NEVER—Always deletes the log file at process shutdown.
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

KEEPSESSIONLOG

Specifies whether to keep the session log after the TIBCO Object Service Broker session shuts down.

Environment	Open Systems.
Abbreviated Name	KSL
Valid User Values	ALWAYS, ANY_MSG, WARNING_MSG, ERROR_MSG, NEVER
Default	ALWAYS
Effects	ALWAYS—Never deletes the log at session end. ANY_MSG—Deletes the log file only if no messages were logged (other than the parameter listings). WARNING_MSG—Deletes the log file only if no warning or error messages were logged. ERROR_MSG—Deletes the log file only if no error messages were logged. NEVER—Always deletes the log file at session end.
Type	Session parameter.
User Modifiable	Yes.

KEEPTTYLOG

Specifies whether to keep the ostty log after the ostty shuts down.

Environment	Open Systems.
Abbreviated Name	KTTYL
Valid User Values	ALWAYS, ANY_MSG, WARNING_MSG, ERROR_MSG, NEVER
Default	ALWAYS
Effects	<p>ALWAYS—Never deletes the log at ostty shutdown.</p> <p>ANY_MSG—Deletes the log file only if no messages were logged (other than the parameter listings).</p> <p>WARNING_MSG—Deletes the log file only if no warning or error messages were logged.</p> <p>ERROR_MSG—Deletes the log file only if no error messages were logged.</p> <p>NEVER—Always deletes the log file at ostty shutdown.</p>
Type	ostty parameter.
User Modifiable	Yes.

KERNEL

The TIBCO Object Service Broker monitor process machine operating system name.

This parameter must not be modified by the user. It is used to report the operating system name.

Environment	Open Systems.
Valid User Values	NT, UNIX
Effects	Indicates the operating system name
Type	Execution Environment initialization parameter.
User Modifiable	No.

LIBRARY

The name of the local library for rules calls.

Environment	All.
Abbreviated Name	L
Valid User Values	A string of up to 8 characters in length.
Default	None
Effects	The library specified here is searched when SEARCH=L is specified.
Type	Session startup parameter.
User Modifiable	Yes.

LOGFILEMSGTYPES

The types of messages to be written to the log file.

Environment	Open Systems.
Abbreviated Name	LFMT
Valid User Values	One or more of the following, each separated by a single space: INFORMATION, LOG, WARNING, ERROR; or an empty string meaning that no message is to be written
Default	Empty string
Effects	INFORMATION—Informational messages LOG—Audit log messages WARNING—Warning messages ERROR—Error messages
Type	System parameter.
User Modifiable	Yes.

LOGFILEPATH

The default file system location of the log file.

Environment	Open Systems.
Abbreviated Name	LFP
Valid User Values	A string of up to 255 characters in length.
Default	Windows: %OS_ROOT%\log Solaris: \${OS_ROOT}\log
Recommendations	To reduce fragmentation on the database disk, specify a location on a disk separate from the one used to store TIBCO Object Service Broker database files.
Type	System parameter.
User Modifiable	Yes.

LOGONRULENAME

The rule to be executed when a session starts.

Environment	z/OS.
Valid User Values	A string between 3 and 16 characters in length.
Default	LOGONHURON
Recommendation	Use the default.
Effects	<p>If your site defines an alternate rule to the default LOGONHURON rule, the alternate rule must be available in your search path. If it is in your site library, the SEARCH parameter must be set to I. If the rule is in the user's local library, the SEARCH parameter must be set to L. The alternate rule must also have the same number of arguments as the LOGONHURON default rule.</p> <p>The login rule is responsible for implementing the behavior of the ACTION and RULE parameters.</p>

Related Topics	Refer to ACTION on page 30 and RULE on page 121 for more information.
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

MAXEE

The maximum number of Execution Environments that the TIBCO Object Service Broker monitor process can simultaneously execute.

Environment	Open Systems.
Abbreviated Name	MEE
Valid User Values	1 to 32767
Default	100
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

MAXSESSION

The maximum number of sessions that the Execution Environment can execute simultaneously.

Environment	Open Systems.
Abbreviated Name	MXS
Valid User Values	1 to 2147483647
Default	1
Effects	Another instance of the Execution Environment is started when the maximum number of sessions for an instance is reached.

Related Topics	Refer to INSTANCE on page 81 and EENAME on page 61 for more information.
Type	Execution Environment initialization parameter.
User Modifiable	Yes.

MDL

The model Execution Environment communications identifier.

Environment	z/OS, all z/OS servers.
Abbreviated Name	MD
Valid User Values	A string of up to 8 characters in length.
Default	OSB9999
Recommendation	Coordinate with Communications Support, to ensure acceptability by VTAM.
Effects	<ul style="list-style-type: none"> • The identifier must be available even when z/OS Cross Memory Services are being used. • If EENAME is specified, the value for EENAME overrides the value for the MDL parameter. Refer to EENAME on page 61 for more information about the EENAME parameter. • If you specify a value of the form AAAnnn, that is, one that ends in numeric characters, communications tries to open an identifier of AAA001, AAA002, and so on, until either it finds an available ID or the pool of names is exhausted.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for information about specifying the application identifier model.
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

MONHOST

The host name or IP address of the TIBCO Object Service Broker monitor process.

Environment	Open Systems.
Abbreviated Name	MH
Valid User Values	A string of up to 32 characters in length.
Default	localhost
Effects	If MONNAME is set to empty string, MONHOST and MONPORT are used to determine the address of the TIBCO Object Service Broker monitor process.
Type	ostty parameter.
User Modifiable	Yes.

MONLOG

The name of the log file for the TIBCO Object Service Broker monitor process.

Environment	Open Systems.
Abbreviated Name	ML
Valid User Values	A valid filename of up to 256 characters in length.
Default	<div>mon.name.mm-dd-hh.MM.ss.log, where:<ul style="list-style-type: none">name is the name of the TIBCO Object Service Broker monitor parameter group (refer to NAME on page 95)From the TIBCO Object Service Broker monitor startup timestamp:<ul style="list-style-type: none">mm is the monthdd is the dayhh is the hourMM is the minutesss is the seconds</div>

Recommendations	Use the default.
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

MONNAME

The name of the TIBCO Object Service Broker monitor process to which ostty is to connect.

Environment	Open Systems.
Abbreviated Name	MNM
Valid User Values	A string of up to 32 characters in length.
Default	An empty string.
Effects	If this parameter is set to a non-empty string, ostty attempts to determine the address of the TIBCO Object Service Broker monitor process by using this name to look up the address of the process in the mon.prm file or, for Windows only, in the registry under the MON key.
Type	ostty parameter.
User Modifiable	Yes.

MONPORT

The socket port number of the TIBCO Object Service Broker monitor process.

Environment	Open Systems.
Abbreviated Name	MP
Valid User Values	-2147483648 to 2147483647
Default	9068

Effects	If MONNAME is set to empty string, MONHOST and MONPORT are used to determine the address of the TIBCO Object Service Broker monitor process.
Type	ostty parameter.
User Modifiable	Yes.

MONTHS

The spelling to be used for names of the months of the year when converting a date field to a string.

Environment	Open Systems.
Abbreviated Value	MN
Valid User Values	A series of words of up to 16 characters in length each.
Default	January, February, March, April, May, June, July, August, September, October, November, December
Related Topics	On the TIBCO Object Service Broker z/OS platform, the \$SYSDATE macro is used to set date masks. Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for information about using the \$SYSDATE macro.
Type	Session startup parameter.
User Modifiable	Yes.

MSGLOGMAX

The size of a user session message log in bytes.

Environment	All.
Abbreviated Value	z/OS: none Open Systems: MLM
Valid User Values	32K to 2048M

Default	2M
Recommendation	Use the default.
Effects	Limits virtual storage available to the session's message log. The LOGLIMIT exception is raised if the allocated message log is exceeded. z/OS storage: Non-fixed virtual storage, above the 16 MB line, managed by TIBCO Object Service Broker.
Type	z/OS: <ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter • Session startup parameter Open Systems: Session startup parameter.
User Modifiable	Yes.

NAME

The name of the group of ostty, Execution Environment, session, or TIBCO Object Service Broker monitor process parameter assignments to be used.

Multiple groups of parameter assignments can be stored in the parameter sources. The NAME parameter identifies the start of a group of defaults within the parameter source. It is used to specify which group of defaults are to be used from the file or, for Windows only, in the registry under the appropriate key.

Environment	Open Systems.
Abbreviated Name	N
Valid User Values	A string of up to 32 characters in length.
Default	default
Effects	Used to index into the ostty, Execution Environment, session, or TIBCO Object Service Broker monitor parameter sources to set the remaining parameters.

Type	<ul style="list-style-type: none">• ostty parameter• Execution Environment initialization parameter• Session startup parameter• TIBCO Object Service Broker monitor parameter
User Modifiable	Yes.

NOALLOWSESSIONTIMEOUTLIMIT

Refer to [ALLOWSESSIONTIMEOUTLIMIT](#), [NOALLOWSESSIONTIMEOUTLIMIT](#) on page 31.

NOBATCHCONSOLE

Refer to [BATCHCONSOLE](#), [NOBATCHCONSOLE](#) on page 33.

NOBROWSE

Refer to [BROWSE](#), [NOBROWSE](#) on page 35.

NOIBMFLOAT

Refer to [IBMFLOAT](#), [NOIBMFLOAT](#) on page 77.

NOPRINTPORTRAIT

Refer to [PRINTPORTRAIT](#), [NOPRINTPORTRAIT](#) on page 111.

NOPROFILE

Refer to [PROFILE](#), [NOPROFILE](#) on page 115.

NOPROMPT

Refer to [PROMPT](#), [NOPROMPT](#) on page 115.

NORELOADPARAMS

Refer to [RELOADPARAMS](#), [NORELOADPARAMS](#) on page 120.

NOSESSIONLOGCLEAR

Refer to [SESSIONLOGCLEAR](#), [NOSESSIONLOGCLEAR](#) on page 144.

NOSESSIONPARMLIST

Refer to [SESSIONPARMLIST](#), [NOSESSIONPARMLIST](#) on page 146.

NOSMFDETAIL

If present, this parameter specifies that SMF detail records cannot be created. This parameter overrides [SMFDETAIL](#), if SMFDETAIL is specified at the session level. The parameter can be specified only at installation time when creating default Execution Environment option modules.

Environment	z/OS.
Abbreviated Name	NOSMF
Valid User Values	n/a
Default	none
Recommendation	Specify to conform to site standards.
Effects	If specified as a configuration parameter, System Management Facility (SMF) records are not created even if requested at Execution Environment or session startup.
Type	Configuration parameter.
User Modifiable	Yes.

NOSTAE

Refer to [STAE](#), [NOSTAE](#) on page 156.

NOSTOP

Refer to [STOP on page 162](#).

NOSTOPALL

Refer to [STAE, NOSTAE on page 156](#).

NOTEST

Refer to [TEST, NOTEST on page 178](#).

NOVERBOSE

Refer to [VERBOSE, NOVERBOSE on page 188](#).

ONLINE, OFFLINE

Specifies whether the session (Windows or Solaris) or the Execution Environment (z/OS) is to run in online mode and that screen I/O can take place using rules statements DISPLAY, UNTIL DISPLAY, and DISPLAY & TRANSFERCALL.

Environment	All.
Abbreviated Name	ON, OFF
Valid User Values	ONLINE, ON, OFFLINE, OFF
Default	<p>z/OS: ONLINE</p> <p>Open Systems: ONLINE for ostty, otherwise OFFLINE. The value is passed to the Execution Environment by the parent TIBCO Object Service Broker monitor process.</p>
Recommendation	<p>z/OS: Use the value appropriate to the session:</p> <ul style="list-style-type: none">• ONLINE—for a session requiring screen interaction• OFFLINE—for an Execution Environment in batch mode <p>Open Systems: This is a read-only parameter and should not be modified by a user.</p>
Effects	When OFFLINE, no screen I/O can take place.

Type	z/OS: <ul style="list-style-type: none"> • Configuration parameter • Session startup parameter Open Systems: Session startup parameter.
User Modifiable	z/OS: Yes. Open Systems: No.

OSDIR

The name of the file that contains the location directory for Data Object Broker and TIBCO Object Service Broker monitor processes.

Environment	Open Systems.
Abbreviated Name	OD
Valid User Values	A valid filename of up to 255 characters in length.
Default	Windows: %OS_ROOT%\database\huron.dir Solaris: \${OS_ROOT}/database/huron.dir
Type	Execution Environment initialization parameter.
User Modifiable	Yes.

OSMONDOB

The default Data Object Broker name for the osee, as set by the TIBCO Object Service Broker monitor process.

Environment	Open Systems.
Recommendation	This is a read-only parameter and should not be modified by a user.
Related Topics	Refer to DOB on page 55 .
Type	Execution Environment initialization parameter.

User Modifiable	No.
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OSMONNAME

The TIBCO Object Service Broker monitor name.

Environment	Open Systems.
Recommendation	This is a read-only parameter and should not be modified by a user.
Type	Execution Environment initialization parameter.
User Modifiable	No.

OSMONPORT

This non-user configurable Execution Environment parameter is set to the TIBCO Object Service Broker monitor listening TCP/IP port number.

Environment	Open Systems.
Effects	TIBCO Object Service Broker monitor process sets this Execution Environment parameter to its listening port number.
Related Topics	Refer to PORT on page 103 .
Type	Execution Environment initialization parameter.
User Modifiable	No.

OSMONPROCID

The TIBCO Object Service Broker monitor process ID.

Environment	Open Systems.
Abbreviated Name	OSMPID
Valid User Values	-2147483648 to 2147483647

Default	This value is passed to the Execution Environment by the parent TIBCO Object Service Broker monitor process.
Recommendation	This is a read-only parameter and should not be modified by a user.
Type	Execution Environment initialization parameter.
User Modifiable	Yes.

PASSWORD

The user's login password to be passed to TIBCO Object Service Broker.

Environment	All.
Abbreviated Name	P
Valid User Values	A string of up to 8 characters in length. Open Systems: The value is case sensitive.
Default	None
Type	Session startup parameter.
User Modifiable	Yes.

PEERSERVERID

The name of the peer server within the Execution Environment to be started for servicing remote data access requests.

You can also name the Gateway for Files server with this parameter. For details on configuring the Gateway for the Files component, see the chapter "Installing and Using TIBCO Service Gateway for Files" in the *TIBCO Object Service Broker Managing External Data* manual.

Environment	z/OS: distributed Execution Environments (CICS and Native Execution Environments). To enable the server sessions to connect to the DOB, define the z/OS Data Object Broker (DOB) Resource Manager with the S6BTLADM tool.
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Valid User Values	A string of up to eight characters in length.
Default	DEFAULT0.
Recommendation	Use the default value of DEFAULT0 unless you must distinguish between your peer servers.
Related Parameter	PEERSERVERNUM.
Effects	Setting one PEERSERVERID name, such as DEFAULT0, simplifies configuration and allows maximum sharing of peer-server sessions. Setting multiple PEERSERVERID names requires that you configure more settings to the z/OS Data Object Broker Resource Manager and the server name in the rule or table definition for the resource being accessed.
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

PEERSERVERNUM

The number of peer servers within an Execution Environment to be started up for a Data Object Broker using the same startup parameters with the same [SERVERID](#).

Environment	z/OS: distributed Execution Environments (CICS and Native Execution Environments).
Valid User Values	0 to 512
Default	0
Recommendation	Set up enough servers to accommodate the number of concurrent remote requests expected to be serviced by the associated Data Object Broker. Use this parameter instead of the obsolete REMOTESERVERNUM parameter.
Related Parameter	PEERSERVERID.

Effects	If not enough servers are available to serve concurrent remote requests, a request queue results in waiting time.
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

PORT

The number of the TIBCO Object Service Broker monitor socket port.

Environment	Open Systems.
Valid User Values	1024 to 65535
Default	9068
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

PRINTCLASS

The default JES SYSOUT class for output generated using TIBCO Object Service Broker print facilities.

Environment	z/OS.
Abbreviated Name	CLASS
Valid User Values	A-Z, 0-9 (a valid JES output class at your site)
Default	A
Recommendation	Specify a value that is valid for your JES and that provides the default printing characteristics required by TIBCO Object Service Broker output.
Effects	When specified at session startup, the setting overrides the default established during Execution Environment initialization.

Type	<ul style="list-style-type: none">• Execution Environment initialization parameter• Session startup parameter
User Modifiable	Yes.

PRINTCOPY

The number of copies to print of a report generated by TIBCO Object Service Broker.

Environment	All.
Abbreviated Name	COPY
Valid User Values	z/OS: 1 to <i>nnn</i> , where <i>nnn</i> is the maximum allowed COPIES value for your site's JES. Open Systems: 1 to 255
Default	1
Recommendation	Use the default, unless more than 1 copy of a report is always required.
Effects	When specified at session startup, the setting overrides the default established during Execution Environment initialization.
Type	z/OS: <ul style="list-style-type: none">• Execution Environment initialization parameter• Session startup parameter Open Systems: Session startup parameter.
User Modifiable	Yes.

PRINTDATASET

The name of a file or existing data set to which a TIBCO Object Service Broker generated report is written.

Environment	All.
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Abbreviated Name	DATASET
Valid User Values	Valid z/OS data set name Open Systems: A valid filename of up to 256 characters in length.
Default	z/OS: none. Open Systems: An empty string.
Recommendation	Specify this parameter when you want output generated by TIBCO Object Service Broker to be written to a data set rather than JES spool.
Effects	When specified at session startup, the setting overrides the default established during Execution Environment initialization. PRINTDATASET takes precedence over PRINTDEST if both are specified. You can specify PRINTDATASET for a specific online session in the MANAGE USERID screen. z/OS: You can set PRINTDATASET using the \$SETOPT shareable tool.
Related Topics	Refer to PRINTDEST on page 105 for more information.
Type	z/OS: <ul style="list-style-type: none"> • Execution Environment initialization parameter • Session startup parameter Open Systems: Session startup parameter.
User Modifiable	Yes.

PRINTDEST

The default printer destination for output generated by TIBCO Object Service Broker.

Environment	All.
Abbreviated Name	DEST

Valid User Values	<p>z/OS:</p> <p>A string of between 2 and 18 characters in length, in this format:</p> <pre>{<node><char>}<printer></pre> <ul style="list-style-type: none">• <i><node></i> is optional and specifies the JES node where the output prints.• <i><char></i> is required when node is specified. Otherwise, it is optional.• <i><printer></i> is the JES name of the printer where the output prints. Use a period (.) when specifying the JES printer name; for example, N2 . P57. <p>Windows:</p> <p>A string of up to 256 characters in length, in this format:</p> <pre>[\\machinename]\printername</pre> <p>A value of LOCAL results in using the Windows default printer.</p> <ul style="list-style-type: none">• if you are using a Windows network printer, <i>machinename</i> indicates the computer on the network where the printer resides• <i>printername</i> is the share name of the printer where you want to print <p>For example: \\sherbrook\printer1</p> <p>Solaris:</p> <p>A string of up to 256 characters in length, in this format:</p> <pre>/printername/printqueue</pre> <p>A value of LOCAL results in using the Solaris default printer.</p> <ul style="list-style-type: none">• if you are using an IP printer, <i>printername</i> is the name or the IP address of the printer• <i>printqueue</i> is the name of the print queue associated with the selected printer <p>For example: /sherbrookprinter/ltrszqueue</p>
Default	z/OS: LOCAL

Recommendation	Specify this parameter when you want your output generated by TIBCO Object Service Broker to be printed at a destination other than your site's default.
Effects	<ul style="list-style-type: none"> • If specified in the parameters used to generate the Execution Environment environment default options module, all output generated by the Execution Environment is routed to the same destination for printing by default. • If specified in the session login command, the value specified during Execution Environment initialization is overridden for the user specifying it. <p>PRINTDATASET takes precedence over PRINTDEST if both are specified.</p> <p>You can specify PRINTDEST for a specific online session in the MANAGE USERID screen.</p> <p>z/OS: You can set PRINTDEST using the \$SETOPT shareable tool.</p>
Related Topics	Refer to PRINTDATASET on page 104 for more information.
Type	<p>z/OS:</p> <ul style="list-style-type: none"> • Execution Environment initialization parameter • Session startup parameter <p>Open Systems: Session startup parameter.</p>
User Modifiable	Yes.

PRINTDIRECTION

The source to be used to determine the destination of printer output.

Environment	Open Systems.
Abbreviated Name	DIRECTION
Valid User Values	User Profile Settings, Printer, File
Default	User Profile Settings

Effects	<p>User Profile — The print output is directed to the values supplied in the print options fields in the TIBCO Object Service Broker User Profile. If this value is specified, the following parameters are also determined from the User Profile: PRINTCOPY, PRINTDATASET, PRINTDEST.</p> <p>Printer — The print output is directed to the printer named in PRINTDEST.</p> <p>File — The print output is directed to the file named in PRINTDATASET.</p>
Related Topics	Refer to PRINTCOPY on page 104 , PRINTDATASET on page 104 , and PRINTDEST on page 105 for more information.
Type	Session startup parameter.
User Modifiable	Yes.

PRINTERORLOG

The default option for printing or not printing the TIBCO Object Service Broker workbench information logs in a multi-user Execution Environment, that is, CICS or Native Execution Environment.

PRINTERORLOG is ignored in single-user environments like TSO and Batch, when the TIBCO Object Service Broker error log is always printed.

Environment	z/OS.
Abbreviated Name	PERL
Valid User Values	YES, NO
Default	NO
Recommendation	<p>Specify the desired option for your Execution Environment.</p> <p>Generally, it is preferable to not print the error log for a production system, support personnel preferring the error log to remain in the system. Developers, on the other hand, could prefer to see the error log printed.</p>

Effects	<p>When specified at Execution Environment start-up, the setting overrides the default value specified in the configuration module.</p> <p>When specified at session start-up, the setting overrides the default established during Execution Environment initialization.</p> <p>When specified via the \$SETOPT tool, the setting overrides the then current value in effect.</p>
Type	<p>Execution Environment initialization parameter.</p> <p>Session startup parameter.</p>
User Modifiable	Yes.

PRINTFCB

The name of a Forms Control Buffer (FCB) to be used when printing output generated by TIBCO Object Service Broker.

Environment	z/OS.
Abbreviated Name	FCB
Recommendation	Use your site's default as assigned by JES. If the TIBCO Object Service Broker report has special printing requirements such as a special pre-printed form, use the FCB for that form.
Effects	<ul style="list-style-type: none"> • If specified in the parameters used to generate the Execution Environment environment default options module, all output generated by the Execution Environment is printed to the same FCB. • If specified in the session login command, the value specified during Execution Environment initialization is overridden for the user specifying it.
Type	<ul style="list-style-type: none"> • Execution Environment initialization parameter • Session startup parameter
User Modifiable	Yes.

PRINTFORM

The name of a form on which JES SYSOUT output generated by TIBCO Object Service Broker is to be printed.

Environment	z/OS.
Abbreviated Name	FORM
Recommendation	Use your site’s default as assigned by JES. If the report has special printing requirements such as a special pre-printed form, specify that particular form name.
Effects	<ul style="list-style-type: none">• If specified in the parameters used to generate the Execution Environment environment default options module, all output generated by the Execution Environment is printed using the same form.• If specified in the session login command, the value specified during Execution Environment initialization is overridden for the user specifying it.
Type	<ul style="list-style-type: none">• Execution Environment initialization parameter• Session startup parameter
User Modifiable	Yes.

PRINTPAPERSIZE

The size of paper to be used for printing.

Environment	Windows.			
Abbreviated Name	PAPERSIZE			
Valid User Values	10x14 A4 CSHEET ENV_10 ENV_DL STD_GERMAN LETTER STATEMENT	11x17 A4SMALL DSHEET ENV_11 ESHEET FANFOLD_US LETTERSMALL TABLOID	5FOLIO A5 ENV_5 ENV_12 EXECUTIVE LEDGER NOTE	A3 B4 ENV_9 ENV_14 FANFOLD_ LEGAL QUATRO
Default	LETTER			
Type	Session startup parameter.			

User Modifiable	Yes.
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PRINTPORTRAIT, NOPRINTPORTRAIT

Specifies whether to use portrait as the paper orientation for printing.

Environment	Windows.
Abbreviated Name	PORTRAIT, NOPORTRAIT
Valid User Values	PRINTPORTRAIT, PORTRAIT, NOPRINTPORTRAIT, NOPORTRAIT
Default	PRINTPORTRAIT
Type	Session startup parameter.
User Modifiable	Yes.

PRINTSPOOLCLASS

The default intermediary JES SYSOUT class for the SPOOLSTRIP job in a multi-user Execution Environment such as the Native Execution Environment or in a CICS region.

Environment	z/OS.
Abbreviated Name	SPOOLCLASS
Valid User Values	A-Z, 0-9 (a valid JES output class at your site)
Default	A

Recommendation	<p>Specify a value that is valid for your JES and that provides the default Intermediary JES SYSOUT class required by the TIBCO Object Service Broker SPOOLSTRIP job.</p> <p>If running in JES2 in a multi-user environment, such as CICS or a native Execution Environment, do not specify a print class that is HELD. When a print request tries to use a HELD class, an IEFSSREQ error occurs and the print request fails.</p> <p>Use the JES2 command \$DOUTCLASS to display the characteristics of the SYSOUT classes. This is shown by the values for the CLASS OUTDISP=(normal_disposition, abnormal_disposition).</p> <p>The following definition for SYSOUT=A is inappropriate for use in PRINTSPOOLCLASS=A as shown by the JES2 display of the class features:</p> <pre>\$DOUTCLASS(A) \$HASP842 OUTCLASS(A) \$HASP842 OUTCLASS(A) OUTPUT=PRINT, BLNKTRNC=YES, \$HASP842 OUTDISP=(HOLD, HOLD), TRKCELL=YES</pre> <p>PRINTSPOOLCLASS=W however is valid:</p> <pre>\$DOUTCLASS(W) \$HASP842 OUTCLASS(W) \$HASP842 OUTCLASS(W) OUTPUT=PRINT, BLNKTRNC=YES, \$HASP842 OUTDISP=(WRITE, WRITE), TRKCELL=YES</pre>
Effects	When specified, the setting overrides the default in the installation configuration module.
Type	Execution Environment initialization parameter.
User Modifiable	Yes.

PRINTUCS

The name of a universal character set (UCS) to be used to print the JES SYSOUT output generated by TIBCO Object Service Broker.

Environment	z/OS.
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Abbreviated Name	UCS
Recommendation	Use your site's default as assigned by JES. If the report has special printing requirements such as unique characters, specify that particular UCS name.
Effects	<ul style="list-style-type: none"> • If specified in the parameters used to generate the Execution Environment environment default options module, all output generated by the Execution Environment is printed using the same character set. • If specified in the session login command, the value specified during Execution Environment initialization is overridden for the user specifying it.
Type	<ul style="list-style-type: none"> • Execution Environment initialization parameter • Session startup parameter
User Modifiable	Yes.

PRINTXWTR

The name of an external writer (XWTR) to be used to print output generated by TIBCO Object Service Broker.

Environment	z/OS and Solaris.
Abbreviated Name	XWTR
Valid User Values	z/OS: n/a Solaris: A string of up to 256 characters in length.
Default	z/OS: none Solaris: An empty string
Recommendation	Use your site's default. Specify this parameter only if the report has unique characteristics that require it to be printed by a special site supplied writer program.

Effects	<p>In z/OS:</p> <ul style="list-style-type: none">• If PRINTXWTR is specified in the parameters used to generate the Execution Environment environment default options module, all output generated by the Execution Environment is printed using the same external writer. Normally standard printing services are used and this parameter is not specified.• If PRINTXWTR is specified in the session login command, the value specified during Execution Environment initialization is overridden for the user specifying it. <p>For Solaris, PRINTXWTR takes precedence over PRINTDEST if both are specified.</p>
Type	<p>z/OS:</p> <ul style="list-style-type: none">• Execution Environment initialization parameter• Session startup parameter <p>Solaris: Session startup parameter.</p>
User Modifiable	Yes.

See Also *TIBCO Object Service Broker for z/OS Installing and Operating* or *TIBCO Object Service Broker for Open Systems Installing and Operating* for additional information about printing.

PROCESSID

The operating system process ID of the Execution Environment.

Environment	Open Systems.
Abbreviated Name	PID
Default	The value is set by the parent TIBCO Object Service Broker monitor process.
Recommendation	This is a read-only parameter and should not be modified by a user.
Type	Execution Environment initialization parameter.

User Modifiable	Yes.
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PROFILE, NOPROFILE

Specifies whether the user's profile information stored within TIBCO Object Service Broker is to be merged by the startup rule with Execution Environment parameters at session startup.

Environment	All.
Abbreviated Name	PR, NOPR
Valid User Values	PROFILE, PR, NOPROFILE, NOPR
Default	PROFILE
Recommendation	Use the default to take advantage of the user profile feature that sets the user's session defaults at every login.
Effects	If NOPROFILE, the user's profile information that is stored within TIBCO Object Service Broker is not merged with session parameters.
Type	z/OS: <ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter • Session startup parameter Open Systems: Session startup parameter.
User Modifiable	Yes.

PROMPT, NOPROMPT

Specifies whether to prompt the user for session parameters.

Environment	z/OS. Open Systems: applies only to ostty sessions.
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Abbreviated Name	z/OS: None Open Systems: PRM, NOPRM
Valid User Values	z/OS: Y, N, YES, and NO Open Systems: PROMPT, PRM, NOPROMPT, NOPRM
Default	z/OS: N Open Systems: NOPROMPT
Type	Session startup parameter.
User Modifiable	Yes.

QUARTERS

The format to be used for quarters of the year when converting a date field to a string.

Environment	Open Systems: applies only to server execution.
Abbreviated Name	Q
Valid User Values	A series of strings of up to 16 characters in length each.
Default	1Q, 2Q, 3Q, 4Q
Type	Session startup parameter.
User Modifiable	Yes.

REGIONTABLESIZE

The amount of storage to be allocated during Execution Environment initialization to bind table definitions and data.

Environment	z/OS.
Valid User Values	48K to 16M
Default	196K

Recommendation	Specify a value large enough so that table data and definitions that are bound can reside in Execution Environment storage. Binding table definitions and data that are frequently accessed is part of a well-tuned system.
Effects	<p>The amount of storage defined for REGIONTABLESIZE is allocated from private, non-fixed, virtual storage above the 16 MB line.</p> <p>Specifying a value that is too small to hold all the bound table data and definitions accessed by rules causes the non-bound data to be continually refetched from the Data Object Broker each time it is referenced. This results in increased rules transaction times, Data Object Broker overhead to refetch data, and increased Execution Environment virtual storage usage, as each user has their own copy of the table definition and data.</p> <p>Specifying a large value provides the necessary storage for bound data and table definitions. References to this information are satisfied from the data and definitions in the Execution Environment and access to the Data Object Broker is not necessary. Transactions run faster and Data Object Broker overhead decreases.</p>
Type	Execution Environment initialization parameter.
User Modifiable	Yes.

REGIONTRACE

Determines what Execution Environment components are traced.

Environment	z/OS.
Valid User Values	0 to 2147483647
Default	31

Recommendation	<p>Use the default. Indicates that <i>only</i> the following components are to be traced: RTH, SFR, EXR, CQH, OCP</p> <p>This parameter is used in conjunction with the REGIONTRACESIZE parameter.</p> <p>Modify only if directed to by TIBCO Support.</p>
Effects	<p>Each bit of the binary representation of the parameter value corresponds to a single Execution Environment component for which the trace is to be activated.</p> <p>Only the following components are currently defined for tracing: RTH, SFR, EXR, CQH, OCP, CSD, QMR, SRS, HAX, RCX, SNX, TMR, OAI, MSG, SMC, TAM, MEM, DYN, EDP, GAT, MOM.</p> <ul style="list-style-type: none">0 — indicates that <i>no</i> components are to be traced2147483647 — indicates that <i>all</i> components are to be traced <p>The higher the number of components being traced, the more useful the trace; however, the CPU utilization increases as more components are traced.</p> <p>This information is useful to TIBCO Support in diagnosing TIBCO Object Service Broker system problems.</p>
Related Topics	<p>Refer to REGIONTRACESIZE on page 118 for more information.</p>
Type	<ul style="list-style-type: none">Configuration parameterExecution Environment initialization parameter
User Modifiable	<p>Yes.</p>

REGIONTRACESIZE

The size, in bytes, of each Execution Environment internal system services trace buffer.

Environment	z/OS.
Valid User Values	1K to 16M

Default	128K
Recommendation	<p>Use the default.</p> <p>This parameter is used in conjunction with the REGIONTRACE parameter and must specify a non-zero value.</p> <p>Modify only if directed by the TIBCO Support.</p>
Effects	By specifying a larger buffer you can get a greater amount of trace information recorded. This information is useful to the TIBCO Support in diagnosing TIBCO Object Service Broker system problems.
Related Topics	Refer to REGIONTRACE on page 117 for more information.
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

REGIONTYPE

The type of Execution Environment that is started.

Environment	z/OS.
Valid User Values	LOCAL and REMOTE
Default	LOCAL
Effects	<p>REGIONTYPE=REMOTE must be coded in an IMS MPR. Specifying REMOTE causes TIBCO Object Service Broker to connect to a Native Execution Environment defined by the EENAME parameter to access full Execution Environment services, as well as Data Object Broker and external database server data.</p> <p>For other environments, this parameter must have a value of LOCAL, which is the default setting.</p>

Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

REJECTSHUTI

Specifies whether the multi-user Execution Environment should accept the SHUTI (shutdown immediately) command without a prior SHUT command.

When you specify REJECTSHUTI=N, the Execution Environment honors the SHUTI command and abnormally terminates all login sessions and shuts down the Execution Environment. This is not a good idea, as it can cause system abends. REJECTSHUTI=N is the default.

When you specify REJECTSHUTI=Y, the Execution Environment rejects the SHUTI command that is not preceded by a SHUT command. It serves as a warning that SHUTI should be used only when it is absolutely required.

Environment	z/OS.
Abbreviated Name	None
Valid User Values	Y, YES, N, NO
Default	N
Recommendation	Specify YES if you prefer a warning for SHUTI. Specify NO to retain the default behavior of no warning.
Effects	When specified, the setting overrides the default in the installation configuration module.
Type	Execution Environment initialization parameter.
User Modifiable	Yes.

RELOADPARAMS, NORELOADPARAMS

Reloads the Execution Environment and session parameter settings.

Environment	Open Systems.
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Abbreviated Name	RLP, NORLP
Valid User Values	RELOADPARAMS, RLP, NORELOADPARAMS, NORLP
Default	NORELOADPARAMS
Effects	<p>RELOADPARAMS causes the configuration source parameters to be reloaded.</p> <p>When RELOADPARAMS is specified with a TIBCO Object Service Broker monitor process, this process sends a RELOADPARAMS request to the TIBCO Object Service Broker monitor process connected to the same PORT.</p>
Related parameters	Refer to PORT on page 103 for additional information.
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

RULE

The name and arguments of the first application rule to be invoked after login rules processing completes. Does not apply to SDK (C/C++) or SDK (Java) sessions.

Environment	All.
Abbreviated Name	R

Valid User Values	<p>All:</p> <p>The rule specification can be in one of the following forms:</p> <pre>rulename</pre> <p>or</p> <pre>rulename(argument1, argument2,...)</pre> <p>where:</p> <ul style="list-style-type: none">• <i>rulename</i> is a valid name of a rule located in one of the libraries specified by the SEARCH parameter.• <i>argumentn</i> is the value of the nth argument. <p>In the example:</p> <pre>RULE=ABC(1, 'X', '46')</pre> <p>the first argument is the number 1; the second argument is the string 'X'; and the third argument is the string of length 2 whose value is '46'</p> <p>z/OS: No limit (refer to Length of Parameter Lists on page 12)</p> <p>Open Systems: A string of up to 512 characters in length.</p>
Default	<p>z/OS: Seamless clients and non-seamless offline clients use the default rule name specified in the user profile.</p> <p>Open Systems: An empty string. For ostty clients, if a session parameter string does not contain a rule name, a start-up rule from the user profile is used, unless NOPROFILE is also specified. If the user profile contains an empty rule name, SESSMGR (workbench) is called.</p> <p>For SDK (C/C++) and SDK (Java): the RULE parameter has no effect.</p>
Recommendation	<p>Use this parameter to specify a rule to run after TIBCO Object Service Broker session startup.</p>

Effects	<p>z/OS:</p> <p>If the RULE parameter is defaulted or overridden by a rule name specification, the named rule is run from the library, as determined by the SEARCH parameter, using the method specified in the ACTION parameter, in the transactional environment specified by the BROWSE and TEST parameters.</p> <p>If the RULE parameter is not specified for an ONLINE non-seamless client, the rule specified in the user profile is run before the menu specified in the profile appears.</p>
	<p>Open Systems:</p> <p>This parameter specifies a rule to be invoked after session startup. If the value of the parameter is not empty, the following takes place:</p> <ul style="list-style-type: none"> <li>• A transaction with default flags is created. The default flags are defined by the BROWSE, NOBROWSE; TEST, NOTEST; and SEARCH session parameters. <li>• The rule runs. <li>• After the rule completes, the session ends. <p>If the value of the parameter is empty and NOPROFILE is not present in the session parameter string, the following happens:</p> <ul style="list-style-type: none"> <li>• A transaction with BROWSE, TEST, and SEARCH=S is created and the SESSMGR rule is called. <li>• If the startup rule field of the user profile is not empty, SESSMGR invokes this rule. The invocation method depends on the ACTION session parameter. The transaction flags for ACTION=E (execute) and ACTION=T (transfercall) are the session defaults (BROWSE/NOBROWSE, TEST/NOTEST, and SEARCH session parameters). <li>• After the rule runs, a menu specified in the user profile appears.

Related Topics	Refer to <i>TIBCO Object Service Broker Managing Security</i> for more information on the startup rule field in the user profile, as well as to ACTION on page 30 and to LOGONRULENAME on page 89 .
Type	Session startup parameter.
User Modifiable	Yes.

RULESIZE

The amount of storage to be allocated to bind rules.

Environment	Open Systems.
Abbreviated Name	RSZ
Valid User Values	0 to 2048M
Default	1.75M
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

SEARCH

The library search environment for the first rule to be executed.

Environment	All.
Abbreviated Name	SEA
Valid User Values	S, I, L
Default	S

Recommendation	Use S, which is the default, or I. Specify I or L only when one or more required rules reside in the site's installation or local library. Specification L causes overhead in finding rules; the local library must be searched whenever a new rule name is encountered for the first time in a transaction. Significant performance benefits can be realized when frequently used rules are promoted to the installation library.
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Effects	<p>If SEARCH=S is specified, TIBCO Object Service Broker searches for rules, external routines, or builtins in the following order:</p> <ol style="list-style-type: none">1. The builtin library2. The system library, as specified by the SYSLIB parameter3. The external routines library that is contained in the ROUTINES table <p>If SEARCH=I is specified, TIBCO Object Service Broker searches for rules, external routines, or builtins in the following order:</p> <ol style="list-style-type: none">1. The installation library, as specified by the INSTLIB parameter2. The builtin library3. The system library, as specified by the SYSLIB parameter4. The external routines library that is contained in the ROUTINES table <p>If SEARCH=L is specified, TIBCO Object Service Broker searches for rules, external routines, or builtins in the following order:</p> <ol style="list-style-type: none">1. The local library, as specified by the LIBRARY parameter2. The installation library, as specified by the INSTLIB parameter3. The builtin library4. The system library, as specified by the SYSLIB parameter5. The external routines library that is contained in the ROUTINES table
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Type	z/OS: <ul style="list-style-type: none"> • Execution Environment initialization parameter • Session startup parameter Open Systems: Session startup parameter
User Modifiable	Yes.

SECACLSIZE

The size of the discretionary permission access control list area for access-securable TIBCO Object Service Broker objects: libraries, screens, tables, object sets, and reports.

Environment	z/OS.
Valid User Values	2K to 16M
Default	64K
Recommendation	Use the default.
Effects	<p>This parameter allocates an area for containing information that allows or disallows access to objects based on the user ID and current group set for the user. Each entry in this area occupies 35 bytes. If the area fills up, it is flushed and restarted, resulting in increased overhead.</p> <p>Storage: This requires non-fixed virtual storage above the 16 MB line; the larger a value that you specify, the more storage is required.</p>
Measurement	Execute the SECSTATS rule. The area defined by this parameter is shown as OBJACL. The Storage Used field indicates how much of this area is currently in use.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Monitoring Performance</i> for more information on SECSTATS.

Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

SECADMINSIZE

The size of a table of users and their security administrators.

Environment	z/OS
Valid User Values	2K to 2M
Default	14K
Recommendation	For a single-user Execution Environment, the minimum value provides more than enough space. For multiple users, start with the default value and tune from there.
Effects	<p>In a multiple session situation, the amount of space required is 18 bytes for each user logged in to TIBCO Object Service Broker. If the area fills up, it is flushed and restarted, resulting in increased overhead.</p> <p>Storage: This requires non-fixed virtual storage above the 16 MB line; the larger a value that you specify, the more storage is required.</p>
Measurement	<p>Execute the SECSTATS rule. The area defined by this parameter is shown as USERSEC.</p> <p>The Storage Used field indicates how much of this area is currently in use. The number of times the list has flushed should be zero; otherwise, it indicates that space allocation is too small.</p>
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Monitoring Performance</i> for more information on SECSTATS.
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

SECAUDITLOG

The accesses to non-dictionary (MetaStor) tables to be logged to the AUDITLOG. You can have different settings for Execution Environments on the same Data Object Broker.

z/OS: SECAUDITLOG can be set only using the EECONFIG member in the CNTL data set.

Environment	All.
Abbreviated Name	z/OS: none Open Systems: SAL
Valid User Values	STRICT, NORMAL, DISABLED
Default	z/OS: STRICT Open Systems: NORMAL
Recommendation	<ul style="list-style-type: none">• Use SECAUDITLOG=DISABLED for batch jobs and promotions.• Use SECAUDITLOG=STRICT for production systems.• Use SECAUDITLOG=NORMAL for test and development systems.

Effects	<ul style="list-style-type: none">• SECAUDITLOG=STRICT means all accesses are logged for objects with the log accessed flag set to Y; update accesses by level-7 users are logged, regardless of the setting of the Log Accesses flag set in the Security Manager.• SECAUDITLOG=NORMAL means all accesses are logged for all objects with the Log Accesses flag set to Y. When Log Accesses is set to N, table accesses are not logged.• SECAUDITLOG=DISABLED means that nothing is recorded except for an initial entry indicating that SECAUDITLOG is disabled.• With all the above settings per login and logout, for each TSO and batch user there is one entry per execution; for CICS and Native Execution Environments there is one entry per user per address space.
Related Topics	Refer to <i>TIBCO Object Service Broker Managing Security</i> for more information about the audit log facility and <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> about EECONFIG and the CNTL data set.
Type	z/OS: Configuration parameter. Open Systems: Execution Environment initialization parameter.
User Modifiable	Yes.

SECCLASS

The security class of the request defined by TIBCO Object Service Broker for archiving the Audit Log.

Environment	z/OS
Valid User Values	1- to 8-character security class name.
Default	S6BEE

Related Topics	Refer to SECREQUESTOR on page 132 , SECSUBSYSTEM on page 133 and <i>TIBCO Object Service Broker Managing Security</i> .
Type	Configuration parameter.
User Modifiable	No

SECOBJSIZE

The size of the TIBCO Object Service Broker object security information area. This area holds entries that contain object name, owner, and security classification.

Environment	z/OS.
Valid User Values	800 to 16M
Default	40K
Recommendation	Use the default.
Effects	<p>Each entry in this area uses 42 bytes. If the area fills up, it is flushed and restarted, resulting in increased overhead.</p> <p>Storage: This requires non-fixed virtual storage above the 16 MB line; the larger a value that you specify, the more storage is required.</p>
Measurement	Execute the SECSTATS rule. The area defined by this parameter is shown as OBJSEC. The Storage Used field indicates how much of this area is currently in use.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Monitoring Performance</i> for more information on SECSTATS.
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

SECPACLSIZE

The size of the discretionary permission access control list area for parameterized tables. This area contains information to allow or disallow access to parameterized table instances based on the user’s user ID, group or ALL permission, when the table data is secured by individual parameter instances.

Environment	z/OS.
Valid User Values	2K to 16M
Default	64K
Recommendation	Use the default.
Effects	<p>Each entry in this area uses 102 bytes. If the area fills up, it is flushed and restarted, resulting in increased overhead.</p> <p>Storage: This requires non-fixed virtual storage above the 16 MB line; the larger a value that you specify, the more storage is required.</p>
Measurement	Execute the SECSTATS rule. The area defined by this parameter is shown as TBLACL. The Storage Used field indicates how much of this area is currently in use.
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

SECREQUESTOR

The requestor name as defined by TIBCO Object Service Broker. for archiving the Audit Log

Environment	z/OS
Valid User Values	1- to 8-character security requestor name.
Default	S6BEEOP
Related Topics	Refer to SECCLASS on page 130 , SECSUBSYSTEM on page 133 , and <i>TIBCO Object Service Broker Managing Security</i> .

Type	Configuration parameter.
User Modifiable	No

SECSUBSYSTEM

The subsystem name as defined by TIBCO Object Service Broker for archiving the Audit Log.

Environment	z/OS
Valid User Values	1- to 8-character security subsystem name.
Default	S6B
Related Topics	Refer to SECCLASS on page 130 , SECREQUESTOR on page 132 , and <i>TIBCO Object Service Broker Managing Security</i> .
Type	Configuration parameter.
User Modifiable	No

SECURITY

The type of security used to verify user access to TIBCO Object Service Broker from an Execution Environment.

Environment	All.
Abbreviated Name	z/OS: none Open Systems: SEC
Valid User Values	INTERNAL, EXTERNAL, MIXED
Default	INTERNAL

Effects	<ul style="list-style-type: none">INTERNAL or null implies that TIBCO Object Service Broker internal security is used for user ID login verification. This is typically done because the external security environment cannot be trusted.EXTERNAL implies that an external security product is controlling access to TIBCO Object Service Broker. SAF security packages such as IBM RACF, CA-ACF2, and CA-Top Secret are supported on z/OS. Native security and the Generic Security Service (GSS) API are supported on Open Systems.MIXED causes the password to be verified against the TIBCO Object Service Broker password first. If this fails, it is then checked against the password in the external security system. This is useful where some user identifications are managed externally by the operating system security manager and others are defined only to TIBCO Object Service Broker.
Related Topics	Refer to <i>TIBCO Object Service Broker Managing Security</i> for more information about the different types of security.
Type	<p>z/OS:</p> <ul style="list-style-type: none">Configuration initialization parameterExecution Environment initialization parameter <p>Open Systems: Execution Environment initialization parameter.</p>
User Modifiable	Yes.



If an Userid profile is set with **EXT Security Mixed-case Password: Y**, the security for that user is set as if this parameter was set with EXTERNAL regardless of its actual setting.

SECURITYSIZE

The size of the TIBCO Object Service Broker object security information area. This area holds entries that contain object name, owner, and security classification.

Environment	Open Systems.
Abbreviated Name	SSZ

Valid User Values	0 to 2048M
Default	1.75M
Recommendation	Use the default.
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

SECUSERSIZE

The size of the user basic security information area. This area holds one entry for each user logged in to the address space.

Environment	z/OS.
Valid User Values	2K to 2M
Default	14K
Recommendation	Use the default.
Effects	<p>Each entry in this area uses 33 bytes. If the area fills up, it is flushed and restarted, resulting in increased overhead.</p> <p>Storage: This requires non-fixed virtual storage above the 16 MB line; the larger a value that you specify, the more storage is required.</p>
Measurement	Execute the SECSTATS rule. The area defined by this parameter is shown as USRSEC. The Storage Used field indicates how much of this area is currently in use.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Monitoring Performance</i> for more information on SECSTATS.
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

SERVERID

The identifier for an external database server or Service Gateway for Files server. For details on configuring the Service Gateway for Files component, see the *TIBCO Object Service Broker Managing External Data* manual.

This identifier directs remote TIBCO Object Service Broker table accesses to a particular group of servers. Some table definitions enable you to specify a server identifier for routing requests to the correct server. For example, you might need to do so for VSAM files that are controlled by a particular CICS/TS Execution Environment (EE) server.

Environment	All.
Abbreviated Name	z/OS: none Open Systems: SID
Valid User Values	A string of up to 8 characters in length.
Default	z/OS: none Open Systems: An empty string
Type	z/OS: <ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter Open Systems: Session startup parameter.
User Modifiable	Yes.

SERVERLOGPATH

The path for the peer server log files.

Environment	Open Systems.
Abbreviated Name	SLP
Valid User Values	A string of up to 256 characters in length.
Default	Windows: %OS_ROOT%\log Solaris: \${OS_ROOT}/log

Type	Session startup parameter.
User Modifiable	Yes.

SERVERRETRIES

The maximum number of times the TIBCO Object Service Broker monitor process is to attempt to restart a peer or rules-based server after a severe server failure.

Environment	Open Systems.
Abbreviated Name	SRT
Valid User Values	0 to 2048
Default	1000
Recommendation	Use the default.
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

SERVERS

z/OS: The maximum number of server sessions that are managed in this Execution Environment.

Open Systems: A string containing the set of servers to be started by TIBCO Object Service Broker monitor. Syntax is: 'number1 sessionname1 number2 sessionname2 numberN sessionnameN'

Environment	All.
Abbreviated Name	z/OS: none Open Systems: SRV
Valid User Values	z/OS: 0 to 255 Open Systems: The validity of the values in the user string is not checked.

Examples	<p>z/OS: SERVERS=2</p> <p>Open Systems: SERVERS='10 NodeA 12 NodeB'</p>
Default	<p>z/OS: 0</p> <p>Open Systems: An empty string</p>
Recommendation	<p>z/OS: You must specify at least one when starting an external database server. If the SERVERBUSY exception is encountered frequently, consider increasing the value.</p> <p>Open Systems: Each session parameter group (sessionnameN) must contain a non-blank SERVERTYPE server parameter.</p>
Effects	<p>z/OS:</p> <p>The higher the value of SERVERS, the more concurrent accesses can be made to the external database.</p> <p>Open Systems:</p> <p>The higher the number in numberN, the more concurrent accesses can be made to the external database via server sessionnameN.</p>
Related Topics	<p>Refer to the appropriate Service Gateway manual for additional information about this parameter.</p>
Type	<p>z/OS:</p> <ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter <p>Open Systems: TIBCO Object Service Broker monitor parameter.</p>
User Modifiable	<p>Yes.</p>

SERVERTYPE

The type of external database gateway to initialize including peer servers.

Environment	All.
-------------	------

Abbreviation	z/OS: none Open Systems: ST
Valid User Values	<ul style="list-style-type: none"> • ADA (Adabas) • API (peer servers on the z/OS platform) • DAT (Datacom) • IMS (IMS/DB) • IMSCICS (CICS DL/I) • IMSDRA (IMSDRA) • IMSDFS (IMSDFS) • IM2DFS (IM2DFS) • ORS (Oracle on the Windows and Solaris platforms) • PRS (peer servers on the Open Systems platforms) • SLK (ODBC on the Windows platform)
Default	None
Related Topics	Refer to the appropriate Service Gateway manual for further details about this parameter. Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for further details about server types.
Type	z/OS <ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter Open Systems: Execution Environment initialization parameter.
User Modifiable	Yes.

SESSDSPXFRSCRMX

The maximum amount of display and transfer (DISPLAY & TRANSFERCALL rules language statement) screen rows storage allowed for a user session.

Environment	z/OS.
Abbreviation	SDXMAX
Valid User Values	Minimum: 0; no maximum
Default	0
Recommendation	Use the default, unless you need a limit to impose some restriction.
Effects	<p>A value of 0 means no limit.</p> <p>This storage limit is the aggregate of all the transactions of a session.</p> <p>You can change the setting during the session by calling the \$SETOPT tool.</p>
Related parameter	TRANDSPXFRSCRMX
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter• Session startup parameter
User Modifiable	Yes.

SESSIONENDACTION

The action to be performed when a TIBCO Object Service Broker session terminates. The action performed uses the SESSIONENDVALUE as the object of the action.

Environment	z/OS: CICS and IMS TM Execution Environments.
Valid User Values	<ul style="list-style-type: none">• For CICS—START and XCTL• For IMS TM—FORMAT and SWITCH
Default	None

Recommendation	In conjunction with the SESSIONENDVALUE parameter, this parameter can be used to implement automatic control switching between TIBCO Object Service Broker and non-TIBCO Object Service Broker applications.
Effects	<ul style="list-style-type: none"> • START requests a CICS transaction be automatically started after a TIBCO Object Service Broker session ends. The name of the transaction ID is specified with SESSIONENDVALUE or the \$SETSESSIONEND tool. • XCTL requests a program be executed automatically after a TIBCO Object Service Broker session ends. The name of the program to be invoked is specified by SESSIONENDVALUE or the \$SETSESSIONEND tool. • FORMAT requests that an IMS TM screen appear automatically after a TIBCO Object Service Broker transaction ends. The name of the screen to appear is specified by SESSIONENDVALUE or the \$SETSESSIONEND tool. • SWITCH requests that an immediate switch to a program be performed automatically after a TIBCO Object Service Broker session ends. The name of the program to be invoked is specified by SESSIONENDVALUE or the \$SETSESSIONEND tool.
Related Topics	Refer to <i>TIBCO Object Service Broker Shareable Tools</i> for more information on the \$SETSESSIONEND tool.
Type	Session startup parameter.
User Modifiable	Yes (using the \$SETSESSIONEND shareable tool).

SESSIONENDVALUE

The CICS transaction ID or CICS program name or IMS TM screen name or IMS TM program name, depending on the action defined by the [SESSIONENDACTION](#) parameter.

Environment	z/OS: CICS and IMS TM Execution Environments.
Valid User Values	A string of up to 8 characters in length, 4 characters for CICS transaction IDs

Default	None
Recommendation	In conjunction with the SESSIONENDACTION parameter, this parameter can be used to implement automatic control switching between TIBCO Object Service Broker and non-TIBCO Object Service Broker applications.
Effects	This parameter is valid only if SESSIONENDACTION is specified.
Related Topics	Refer to <i>TIBCO Object Service Broker Shareable Tools</i> for more information on the \$SETSESSIONEND tool.
Type	Session startup parameter.
User Modifiable	Yes (using the \$SETSESSIONEND shareable tool).

SESSIONFILEMAX

The maximum number of data sets a user can have open at one time.

Environment	z/OS.
Valid User Values	0 to the maximum at your location
Default	32
Recommendation	Use the default.
Effects	Performance: Data sets opened by one user could be inaccessible by another user; therefore, the higher the value specified, the more likely data set contention can occur among users.
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter• Session startup parameter
User Modifiable	Yes.

SESSIONINSTANCE

This non-user configurable session parameter is set to the session instance number.

Environment	Open Systems.
Effects	This parameter's value can be used as a reference to the instance number of the current session.
Type	Session startup parameter.
User Modifiable	No.

SESSIONLOG

The name of the session log file.

Environment	Open Systems.
Abbreviated Name	SL
Valid User Values	A valid filename of up to 256 characters in length.

Default	<div>For batch sessions: <code>batch.name.mm.dd-hh.MM.ss.log</code></div> <div>For all other session types: <code>session.monname.eename.name.mm.dd-hh.MM.ss.eeinstance.instance.log</code></div> <div>... where:</div> <div><ul style="list-style-type: none">• <i>name</i> is the name of the session parameter group (refer to NAME on page 95)• from the session startup timestamp:<ul style="list-style-type: none">— <i>mm</i> is the month— <i>dd</i> is the day— <i>hh</i> is the hour— <i>MM</i> is the minutes— <i>ss</i> is the seconds• <i>monname</i> is the name of the TIBCO Object Service Broker monitor parameter group (refer to NAME on page 95)• <i>eename</i> is the name of the Execution Environment parameter group (refer to NAME on page 95)• <i>eeinstance</i> is the Execution Environment instance number• <i>instance</i> is the session instance number</div>
Recommendation	Use the default.
Type	Session startup parameter.
User Modifiable	Yes.

SESSIONLOGCLEAR, NOSESSIONLOGCLEAR

Specifies whether to clear the session log before a session is started.

Environment	Open Systems.
Abbreviated Name	SLC, NOSLC

Valid User Values	SESSIONLOGCLEAR, SLC, NOSESSIONLOGCLEAR, NOSLC
Default	SLC
Type	Session startup parameter.
User Modifiable	Yes.

SESSIONMEMMAX

The maximum amount of session memory for a user. On z/OS it also controls the maximum amount of storage available for EES tables.

Environment	All.
Abbreviated Name	z/OS: none Open Systems: SMMX
Valid User Values	z/OS: minimum: 320K; no maximum Open Systems: 320K to 2048M
Default	16M
Recommendation	Use the default.
Effects	This storage limit has no effect on the maximum transaction memory set by the TRANMEMMAX parameter. z/OS Storage: Non-fixed virtual storage above the 16 MB line.
Type	z/OS: <ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter • Session startup parameter Open Systems: Session startup parameter.
User Modifiable	Yes.

SESSIONPARMLIST, NOSESSIONPARMLIST

Specifies whether to list the session parameter values in a session log.

Environment	Open Systems.
Abbreviated Name	SPL, NOSPL
Valid User Values	SESSIONPARMLIST, SPL, NOSESSIONPARMLIST, NOSPL
Default	SESSIONPARMLIST
Type	Session startup parameter.
User Modifiable	Yes.

SESSIONTYPE

The type of the session:

- BATCH for an osBatch session
- CLI for an SDK (C/C++), SDK (Java), and Object Integration Gateway sessions
- TTY for an ostty session
- PRS for a peer server
- RLS for an external database server

Environment	Open Systems.
Recommendation	This is a read-only parameter and should not be modified by a user.
Type	Session startup parameter.
User Modifiable	No.

SESSIONUSERID

The session user ID for the rules server.

Environment	Open Systems.
Abbreviated Name	SUID
Valid User Values	A string of up to 8 characters in length.
Default	An empty string.
Type	Session startup parameter.
User Modifiable	Yes.

SESSNAME

The NAME parameter to be used for a session.

Environment	Open Systems.
Abbreviated Name	SN
Valid User Values	A string of up to 32 characters in length.
Default	default
Effects	This parameter enables a user to specify the NAME parameter for the session. When a NAME parameter is specified on the ostty command line, or any other TTY source, the specification always refers to the ostty NAME parameter not the NAME parameter for the session. The SESSNAME parameter is used to set the NAME parameter for the session.
Type	ostty parameter.
User Modifiable	Yes.

SHAREDMEMADDR

The binding area address to be used by the osee processes.

Environment	Open Systems.
Abbreviated Name	SMA
Valid User Values	0 to x7FFFFFFF
Default	Windows: x08000000 Solaris: x04000000
Recommendation	Use the default value.
Effects	This value is used by the osee as the virtual memory address where it maps the binding area. This value is passed on to the osee in the BINDINGAREASADDRESS parameter.
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

SMFDETAIL

If present, this parameter specifies that System Management Facility (SMF) records for TIBCO Object Service Broker (subtype 72) be created for each user session.

Environment	z/OS.
Abbreviated Name	SMF
Valid User Values	n/a
Default	No TIBCO Object Service Broker SMF detail records are written.
Recommendation	Use SMFDETAIL when you want SMF records to be produced at the TIBCO Object Service Broker transaction level for reporting or debugging purposes.

Effects	<ul style="list-style-type: none"> • If present as a session parameter and NOSMFDETAIL is not specified in the default option module, SMF detail records are created for the requesting user. • If NOSMFDETAIL is specified, SMF detail records are not produced. <p>For SMF detail data to be reported, SMF data collection in the Execution Environment must be turned on by specifying the SMFTYPE parameter, and the Execution Environment must be authorized.</p> <p>Performance: Running with SMF detail causes a significant overhead in the Execution Environment.</p>
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Monitoring Performance</i> for more information about generating SMF records.
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter • Session startup parameter
User Modifiable	Yes.

SMFPERFORMANCE

If present, this parameter specifies that TIBCO Object Service Broker Execution Environment performance information be collected and reported in TIBCO Object Service Broker System Management Facility (SMF) subtype-52, -62 and -72 records (if requested).

Environment	z/OS.
Abbreviated Name	SMFP
Valid User Values	n/a
Default	No SMF performance information is collected.
Recommendation	Use SMFPERFORMANCE only when you require the additional information.

Effects	<p>For performance data to be reported, SMF data collection in the Execution Environment must be turned on by specifying the SMFTYPE parameter and the Execution Environment must be authorized.</p> <p>Performance: Running with SMFPERFORMANCE causes additional overhead in the Execution Environment.</p>
Related Topics	<p>Refer to <i>TIBCO Object Service Broker for z/OS Monitoring Performance</i> for more information about generating SMF records.</p>
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter• Session startup parameter
User Modifiable	Yes.

SMFTYPE

The record number to be written by the Execution Environment.

Environment	z/OS.
Valid User Values	0, 128 to 255
Default	0
Recommendation	<ul style="list-style-type: none">• When you want to collect SMF data for the Execution Environment (subtypes 50, 51, and 52) and the user sessions (subtype 60, 61, and 62), specify a number that is not currently being used by your site.• If you are collecting SMF data for the Data Object Broker, specify the same number here.
Effects	<p>SMFTYPE=0 indicates that SMF records are not to be generated.</p> <p>Performance: Generating SMF data from the Execution Environment involves minimal overhead.</p>

Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Monitoring Performance</i> for more information about generating SMF records.
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

SORTTEXTMEMMAX

The amount of storage that can be used by an external sort product. This value is specified in the sort options via the MAINSIZE sort product parameter.

Environment	z/OS.
Valid User Values	1K to 2G
Default	244K
Recommendation	Use the default, unless you want to allow the external sort product to use more virtual storage. External sorting is invoked when seven or more fields are sorted.
Effects	<p>Performance: More virtual storage enables the sort to perform better, although it can increase your paging rate.</p> <p>Storage: More non-fixed virtual storage above the 16 MB line is used.</p>
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

SORTINTMEMMAX

The amount of storage that can be used by the TIBCO Object Service Broker internal sort. Allocated storage is released when the sort ends, rather than at the transaction end.

Environment	z/OS.
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Valid User Values	200K to 2G
Default	4M
Recommendation	Use the default.
Effects	Performance: More virtual storage enables the sort to perform better. Storage: More non-fixed virtual storage above the 16 MB line is used.
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

SORTINTNUMMAX

The maximum number of medium-sized internal sorts that can be active concurrently. Small sorts are not subject to this limit.

Environment	z/OS.
Valid User Values	1 to 99
Default	5
Recommendation	Use the default.
Effects	Performance: Allowing more internal sort tasks improves throughput if there is a lot of sort activity. Storage: More non-fixed virtual storage above the 16 MB line is used.
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

SORTINTPAGESMAX

The maximum number of pages for rows during an internal sort.

Environment	All.
Abbreviated Name	z/OS: none Open Systems: SIPM
Valid User Values	z/OS: 10 to no maximum Open Systems: 1 to 2048M
Default	z/OS: 500 Open Systems: 30
Recommendation	Use the default.
Effects	Performance: Allowing more pages can improve transaction performance, if sufficient memory is available. z/OS storage: More non-fixed virtual storage above the 16 MB line is used.
Type	z/OS: <ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter Open Systems: Execution Environment initialization parameter.
User Modifiable	Yes.

SORTPGM

The name of the site's external sort program.

Environment	z/OS.
Valid User Values	A string of up to 8 characters in length.
Default	SORT

Recommendation	Specify the name of sort program to be used.
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

SORTPRINT

The print option for external sort messages.

Environment	z/OS.
Valid User Values	ALL, CRITICAL, NONE
Default	NONE
Recommendation	Use the default, unless you want sort messages to be printed.
Effects	<p>This value is being passed to the external sort routine via the MSGPRT sort product parameter. Control statements are printed according to installation defaults.</p> <ul style="list-style-type: none">• ALL—Specifies that all messages, except diagnostic, are printed to the message data set• CRITICAL—Specifies that only critical messages are printed• NONE—Specifies that sort messages are not printed
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter• Session startup parameter
User Modifiable	Yes.

SORTUNIT

z/OS:

The DASD UNIT specification to be used for SORTWORK data sets.

Open Systems:

The path used to allocate a temporary file for sorting.

Environment	All.
Abbreviated Name	z/OS: none Open Systems: SU
Valid User Values	z/OS: A string of up to 8 characters in length. Open Systems: A string of up to 256 characters in length.
Default	z/OS: SYSDA Windows: The value of the TMP environment variable if it is set, otherwise the value of the TEMP environment variable if it is set, otherwise the Windows directory. Solaris: Value of the TMPDIR environment variable if it is set and is valid, otherwise the value of the P_tmpdir manifest found in stdio.h (which is usually /var/tmp/) if it is valid, otherwise /tmp/. For Open Systems, Execution Environment start-up checks that the value represents a usable directory for temporary files.
Recommendation	Use the default.
Type	z/OS: <ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter Open Systems: Execution Environment initialization parameter.
User Modifiable	Yes.

SORTWORKFILESMAX

The number of SORTWORK data sets that can be used by the external sort package.

Environment	z/OS.
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Valid User Values	1 to 256
Default	3
Recommendation	Use the default, unless you have very large sorts.
Effects	This value is passed to the external sort package via the DYNALLOC sort parameter.
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter• Session startup parameter
User Modifiable	Yes.

STAE, NOSTAE

Specifies whether to enable the Execution Environment Extended Specified Task Abnormal Exit (ESTAE) routine for handling abnormal terminations.

Environment	z/OS.
Abbreviated Name	SE, NOSE
Valid User Values	STAE, SE, NOSTAE, NOSE
Default	STAE
Recommendation	Use the default, unless requested not to by the TIBCO Support.

Effects	<p>Enabling the STAE routine releases z/OS common system storage (SQA, CSA, and so on) acquired for Service Request Blocks (SRBs) should the Execution Environment abnormally terminate.</p> <p>The NOSTAE parameter disables the ESTAE routine. Disabling the STAE routine retains z/OS common system storage (SQA, CSA and so on) acquired for Service Request Blocks (SRBs) should the Execution Environment abnormally terminate.</p> <p>NOSTAE should be specified only when requested by the TIBCO Support for purposes of debugging. An IPL is then required to release the z/OS common system storage if the Execution Environment abnormally terminates.</p>
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter • Session startup parameter
User Modifiable	Yes.

STANDBYNUM

The number of Execution Environment standby sessions.

Environment	z/OS.
Abbreviated Name	STANDBY
Valid User Values	0 to 4096
Default	0

Recommendation	<p>Set according to your installation’s Call Level Interface (CLI) usage.</p> <p>For Call Level Interface, SDK (C/C++), and SDK (Java) support, specify a minimum of 1.</p> <p>To improve the performance of the SDK (C/C++) or SDK (Java) sessions, use the TASKINITNUM Execution Environment parameter to increase the number of Session Initiator Tasks. The number of Session Initiator Tasks is independent of the number of concurrent SDK (C/C++) or SDK (Java) client sessions. Refer to TASKINITNUM on page 171.</p>
Effects	<p>Each API in session occupies one standby session until the API releases the session. If no standby session is available when an API calls for one, the API is queued to a wait queue.</p>
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	<p>Yes.</p>

STANDBYWAIT

Specifies whether the Object Service Broker SDK start-session request is to wait for an available standby session if all the standby sessions are busy.

- Specifying NO causes the Object Service Broker SDK start-session request to be rejected with an error return code of x’04’ (Start session failed) and a reason code of x’4C’ (All standby sessions are busy).
- Specifying YES causes the Object Service Broker SDK start-session request to go on a wait queue for a standby session. The wait time is controlled by the STANDBYWAITLIMIT parameter. For details, see the description of that parameter.

Also, you can specify STANDBYWAIT as a parameter on the Object Service Broker SDK start-session request. In that case, the value specified in the request overrides that of STANDBYWAIT specified as a configuration or EE initialization parameter.

Environment	<p>z/OS.</p>
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Abbreviated Name	None.
Valid User Values	Y, YES, N, NO.
Default	Y.
Recommendation	Use the default.
Effects	Each installation must set the three parameters, STANDBYWAIT, STANDBYWAITLIMIT, and STANDBYWAITMSG, as appropriate, for the desired behavior.
Type	Execution Environment parameter.
User Modifiable	Yes.

STANDBYWAITLIMIT

Specifies the wait-time limit for an available standby session if all standby sessions are busy. When that limit expires, the Object Service Broker SDK start-session request terminates with an error Return Code of x'04' (Start session failed) and a Reason Code of x'4C' (All standby sessions are busy).

Environment	z/OS.
Abbreviated Name	None.
Valid User Values	0 (no limit) to no maximum in minutes.
Default	0.
Recommendation	Use the default.
Effects	Each installation must set the three parameters, STANDBYWAIT, STANDBYWAITLIMIT, and STANDBYWAITMSG, as appropriate, for the desired behavior.
Type	z/OS: <ul style="list-style-type: none"> • Configuration parameter. • Execution Environment.
User Modifiable	Yes.

STANDBYWAITMSG

Specifies whether to log the waiting-for-an-available-standby-session message in the system log.

- Specifying YES causes a warning message to be logged for every TIBCO Object Service Broker SDK start-session request that encounters the busy condition for all standby sessions.
- Specifying NO causes no logging of such warning messages. Also, no other indications show that the SDK start-session request is awaiting an available standby session; the request appears to be hung.

Environment	z/OS.
Abbreviated Name	None.
Valid User Values	Y, YES, N, NO.
Default	Y.
Recommendation	Use the default.
Effects	Each installation must set the three parameters, STANDBYWAIT, STANDBYWAITLIMIT, and STANDBYWAITMSG, as appropriate, for the desired behavior.
Type	z/OS: <ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

STATSBUF

The number of statistics buffers allocated for a session.

Environment	z/OS.
Abbreviated Name	STATSBUF
Valid User Values	0 to 2147483647
Default	200

Recommendation	Use the default value. To capture better information on the performance of an application, consider increasing this for a development or new production system. Each entry is 160 bytes in length. You can display the information using the TIBCO Object Service Broker Performance Monitor utility.
Effects	Controls the number of buffers allocated for a session. When needed, these buffers are used each in turn.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Monitoring Performance</i> .
Type	Execution Environment parameter.
User Modifiable	Yes.

STATUS

Displays current status information for the TIBCO Object Service Broker monitor process that is running on the host specified by the [HOST](#) parameter and listening on the port specified by the [PORT](#) parameter.

Environment	Open Systems.
Abbreviated Name	ST
Valid User Values	DETAIL, SUMMARY

Effects	<p>If DETAIL is specified, the TIBCO Object Service Broker monitor process displays status information for the specified TIBCO Object Service Broker monitor process and exits immediately. The information is similar to the following:</p> <pre>osmon at host=[] port=9068 is: online name: [DEFAULT]:0 pid: 204 counters: max=1, total=1 (actual=1, starting=0, pending=0) map: 0</pre> <p>If SUMMARY is specified, the TIBCO Object Service Broker monitor process displays basic status information plus counts only for the specified TIBCO Object Service Broker monitor process and exits immediately. The information is similar to the following:</p> <pre>osmon at host=[] port=9068 is: online osee processes: 1 sessions: 1</pre>
Related Topics	Refer to HOST on page 76 and PORT on page 103 . See also <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> .
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

STOP

Stops the TIBCO Object Service Broker monitor process that is running on the machine specified by the [HOST](#) parameter and listening on the port specified by the [PORT](#) parameter.

Environment	Open Systems.
Valid User Values	STOP
Default	An empty string

Effects	When STOP is specified with a TIBCO Object Service Broker monitor process, this process initiates a stop sequence for the target TIBCO Object Service Broker monitor process and then exits immediately. When the target TIBCO Object Service Broker monitor process is stopped, any child Execution Environment processes are terminated immediately. For a more orderly shutdown, use the CLOSE parameter.
Related parameters	Refer to HOST on page 76 , PORT on page 103 , and CLOSE on page 47 for additional information.
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

STOPALL

Stops all TIBCO Object Service Broker monitor processes currently executing on the given machine.

Environment	Open Systems.
Abbreviated Name	SA
Valid User Values	STOPALL, SA
Default	An empty string
Effects	When STOPALL is specified with a TIBCO Object Service Broker monitor process, this process initiates a stop sequence for all other TIBCO Object Service Broker monitor processes on the same system and then exits immediately. When a TIBCO Object Service Broker monitor process is stopped, all its child Execution Environment processes are terminated immediately.
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

STOPEE

Stops the Execution Environment process specified. This process is identified by the Execution Environment operating system process ID, or the EENAME:Execution Environment instance pair.

Environment	Open Systems.
Abbreviated Name	SEE
Valid User Values	The Execution Environment operating system process ID, or the EENAME:Execution Environment instance pair.
Default	An empty string
Effects	When STOPEE is specified with a TIBCO Object Service Broker monitor process, this process initiates a stop sequence for the target instance of Execution Environment and then exits immediately. When the target instance of Execution Environment is stopped, all its sessions are terminated immediately. If a more orderly shutdown is required, use the CLOSEEE parameter.
Related Topics	For additional information, refer to CLOSEEE on page 47 .
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

STOPSESS

Stops the session identified either by Execution Environment and session instance numbers, or by Execution Environment operating system process ID and session operating system thread ID.

Environment	Open Systems.
Abbreviated Name	SS

Valid User Values	<p>A valid value is in one of the following formats:</p> <ul style="list-style-type: none"> EEINSTANCE:SESSIONINSTANCE, for example: osMon STOPSESS=DEFAULT:0:0 Execution Environment instance operating system <i>process ID:session instance</i> THREADID, for example: osMon STOPSESS=2028:1996 <p>You can find the values for the different parts of these formats in the session log for the session you want to stop.</p>
Default	An empty string.
Effects	If STOPSESS is specified, the TIBCO Object Service Broker monitor process initiates a stop sequence for the target session and then exits immediately.
Related Topics	For additional information, refer to HOST on page 76 and PORT on page 103 . Also refer to EEINSTANCE on page 60 , INSTANCE on page 81 , SESSIONINSTANCE on page 143 , and THREADID on page 179 . See also <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> .
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

SVC

The type-3 TIBCO Object Service Broker SVC number assigned to be used in establishing an authorized Execution Environment. The parameter SVC was previously named HURONSVC. Even though both names are supported, the name HURONSVC is deprecated and might be discontinued in the future.

Environment	z/OS.
Valid User Values	A valid SVC number between 200 and 255
Default	None

Recommendation	<p>For CICS or IMS TM, you must use this parameter if you require an authorized Execution Environment. Authorized Execution Environments are required to obtain SMF records, use cross memory communications, and clear the TIBCO Object Service Broker audit log.</p> <p>Warning If the TIBCO Object Service Broker SVC is not going to be used to authorize the CICS Execution Environment, <i>do not</i> include this parameter in the EECONFIG jobstream input.</p>
Effects	<p>SVC can be specified only in the default Execution Environment environment option modules. When the TIBCO Object Service Broker interface is activated in these environments, the appropriate parameter module is loaded, the SVC number is extracted, and the module deleted.</p> <p>To run TIBCO Object Service Broker authorized, your site must have default option modules. These modules are created during the installation process by uncommenting steps in member EECONFIG in CNTL.</p>
Related Topics	<p>For additional information, refer to CONFIGURATION on page 49.</p>
Type	<p>Configuration parameter.</p>
User Modifiable	<p>Yes.</p>

SYNTAXVBLANKPAD

Specifies whether fields whose external definition specifies type "V" will be padded with blanks or NULL (0x00) characters.

Environment	Open Systems.
Abbreviated Name	VPAD
Valid User Values	Y, YES, N, NO.
Default	Y
Recommendation	Set to match the expected encoding of the field in question.

Effects	<ul style="list-style-type: none"> • YES causes all external syntax V fields to be padded with EBCDIC blanks (X'40'). This is the same behavior as on TIBCO Object Service Broker for z/OS systems, but is different from the usual Open Systems behavior. • NO causes external syntax V fields to be padded with bytes of zero (X'00'). This is the standard behavior for TIBCO Object Service Broker for Open Systems, but is different from the behavior on z/OS.
Type	Execution Environment initialization parameter.
User Modifiable	No.

SYSLIB

The name of the rules library that contains the rules shipped with the TIBCO Object Service Broker product.

Environment	All.
Abbreviated Name	S
Valid User Values	A string of up to 8 characters in length.
Default	z/OS: COMMON Open Systems: <ul style="list-style-type: none"> • osMon and osBatch: COMMON. • All other session types: The value is set by the parent TIBCO Object Service Broker monitor process.
Recommendation	z/OS: Use the default. Open Systems: <ul style="list-style-type: none"> • For osMon and osBatch, use the default. • For ostty, SDK (C/C++), and SDK (Java) sessions, this is a read-only parameter and should not be modified by a user.

Effects	The SYSLIB parameter establishes the rules library to be searched for system rules that implement the TIBCO Object Service Broker shareable tools.
Type	z/OS: <ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter• Session startup parameter Open Systems: <ul style="list-style-type: none">• Execution Environment initialization parameter• TIBCO Object Service Broker monitor parameter
User Modifiable	z/OS: Yes. Open Systems: <ul style="list-style-type: none">• osMon and osBatch: Yes• All other session types: No

TABLESIZE

The amount of storage to be allocated to bind table definitions and data.

Environment	Open Systems.
Abbreviated Name	TSZ
Valid User Values	0 to 2048M
Default	196K
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

TAMBMAX

The maximum TAM row buffer size.

Environment	z/OS.
Valid User Values	4096 to 32766
Default	32766
Effects	When the Execution Environment needs a buffer for a table row, it tries to create one of size TAMBMIN . If this size is too small, the Execution Environment creates one of size TAMBMAX.
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

TAMBMIN

The minimum TAM row buffer size.

Environment	z/OS.
Abbreviated Name	TAMBMIN
Valid User Values	128 to 4096
Default	4096
Effects	When the Execution Environment needs a buffer for a table row, it tries to create one of size TAMBMIN. If this size is too small, the Execution Environment creates one of size TAMBMAX .
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

TAMBSTS

The buffer size for the directory of session (SES) and Execution Environment (EES) tables.

Environment	z/OS.
Valid User Values	4K to 64K.
Default	8K
Recommendation	Use the default, 8K, if the number of SESSION (SES) tables used is less than 64. If the maximum number of SESSION (SES) tables used in a Execution Environment is <i>n</i> , set TAMBSTS to <i>n</i> *128.
Effects	Each entry in SES directory is 128 bytes. The maximum number of SES directory entries is 32. For the default value (TAMBSTS=8K), if the 65th SES table in the Execution Environment is referenced, the transaction is terminated and an error is issued. Storage: Non-fixed virtual above the 16 MB line.
Type	Execution Environment initialization parameter.
User Modifiable	Yes.

TASKEXECNUM

The number of interpreter tasks to be started at Execution Environment initialization.

Environment	z/OS.
Valid User Values	0 to 130
Default	8
Recommendation	Specify a value equivalent to the maximum number of TCBs that can be active at one time on your processor. Increase the value if external routines and VSAM files are involved because TCB affinity is required for them.

Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

TASKFILENUM

The number of file I/O tasks to be started at Execution Environment initialization.

Environment	z/OS.
Valid User Values	0 to 25
Default	5
Recommendation	Use the default, or reduce to the maximum number of TCBs that can be active at one time on your processor.
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

TASKINITNUM

The number of session initiator tasks to be started at Execution Environment initialization.

Environment	z/OS.
Valid User Values	2 to 50
Default	2
Recommendation	Use the default, except when running in a Native Execution Environment. In this case, increase the number of session initiator tasks.

Effects	If users log in to a Native Execution Environment through a VTAM session monitor without completing the entire login process before switching to another VTAM session, the session initiator task could go into a wait state until the login process completes. To remedy this situation, increase the number of session initiator tasks.
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

TASKMISCNUM

The number of miscellaneous tasks to be started at Execution Environment initialization.

Environment	z/OS.
Valid User Values	0 to 25
Default	5
Recommendation	Use the default, unless you want to decrease it to the number of TCBs that can be active concurrently on your processor.
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

TASKOPERNUM

The number of operator tasks to be started at Execution Environment initialization.

Environment	z/OS.
Valid User Values	0 to 10
Default	1

Recommendation	Use the default.
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

TASKPOSIXNUM

The number of POSIX on tasks to be started at Execution Environment initialization.

Environment	z/OS.
Valid User Values	0 and 1. Setting the value to 0 disables TIBCO Enterprise Message Service support for the Execution Environment.
Default	1
Recommendation	If you do not use TIBCO Enterprise Message Service, set the parameter value to 0, otherwise use the default.
Type	Execution Environment initialization parameter
User Modifiable	Yes

TASKRCLINUM

The number of remote CLI tasks to be started at initialization of the Execution Environment.

Environment	z/OS.
Valid User Values	0 to 50.
Default	2
Recommendation	Use the default.

Effects	To improve the performance of the SDK (C/C++) or SDK (Java) sessions, set the TASKRCLINUM Execution Environment parameter to increase the number of remote CLI tasks. The number of those tasks is independent of the number of concurrent SDK (C/C++) or SDK (Java) client sessions.
Type	<ul style="list-style-type: none">• Configuration parameter.• Execution Environment initialization parameter.
User Modifiable	Yes.

TASKSMFNUM

The number of System Management Facility (SMF) Writer Tasks to be started at Execution Environment initialization.

Environment	z/OS.
Valid User Values	0 to 2
Default	0
Recommendation	Set to 1, if you want SMF data collected.
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

TASKSORTNUM

The number of sort tasks to be started at Execution Environment initialization.

Environment	z/OS.
Valid User Values	0 to 25
Default	2

Recommendation	Set according to resource availability. Some sort products utilize Virtual Storage below the 16 MB line, and this should be considered.
Effects	Too many sort tasks could degrade the performance of the Execution Environment. Not having enough could create bottlenecks for TIBCO Object Service Broker sessions that perform sorting.
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

TDS

The communications identifier (COMMID) of the Data Object Broker to which an Execution Environment or Message Switch is to connect.

Environment	z/OS.
Abbreviated Name	TD
Valid User Values	A valid identifier of up to eight uppercase characters in length.
Default	HURSRV
Effects	Must be specified; otherwise, the Execution Environment cannot communicate with a Data Object Broker.
Related Topics	The COMMID Data Object Broker parameter on page 208
Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

TEMPPRIMARYCYL

The SVC99 dynamic allocation default primary space quantity for the temporary input and output data sets used for large sorts. Space is allocated in cylinders of the device type selected by the TEMPUNIT parameter.

Environment	z/OS.
Abbreviated Name	PRIMARY
Valid User Values	0 to the maximum at your location
Default	20
Recommendation	Use the default, unless dictated otherwise by large sorts, for example.
Effects	Too small a value can result in x37 abends.
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

TEMPSECONDARY

The SVC99 dynamic allocation secondary space quantity for the temporary input and output data sets used for large sorts. Space is allocated in cylinders of the device type selected by the [TEMPUNIT](#) parameter.

Environment	z/OS.
Abbreviated Name	SECONDARY
Valid User Values	0 to the maximum at your location
Default	30
Recommendation	Use the default, unless dictated otherwise by large sorts, for example.
Effects	Too small a value can result in x37 abends.

Type	<ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter
User Modifiable	Yes.

TEMPUNIT

z/OS:

The SVC99 dynamic allocation unit name to be used to allocate temporary data sets.

Open Systems:

The default path for creation of temporary files..

Environment	All.
Abbreviated Name	z/OS: UNIT Open Systems: TU
Valid User Values	z/OS: A string of up to 8 characters in length. Open Systems: A string of up to 255 characters in length.
Default	z/OS: SYSDA Windows: The value of the TMP environment variable if it is set, otherwise the value of the TEMP environment variable if it is set, otherwise the Windows directory. Solaris: Value of the TMPDIR environment variable if it is set and is valid, otherwise the value of the P_tmpdir manifest found in stdio.h (which is usually /var/tmp/) if it is valid, otherwise /tmp/. For Open Systems, Execution Environment start-up checks that the value represents a usable directory for temporary files.
Recommendation	Use the default.

Type	z/OS: <ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter Open Systems: Execution Environment initialization parameter.
User Modifiable	Yes.

TEMPUNITCOUNT

The SVC 99 dynamic allocation unit and volume count for the temporary input and output data sets used for large sorts.

Environment	z/OS.
Abbreviated Name	UNITCOUNT
Valid User Values	1 to 59
Default	1
Recommendation	One unit is more than adequate for general use. For specific applications requiring more than one unit, specify the number of units according to your space calculations.
Effects	When set to a value greater than 1, this parameter allows the temporary data sets to span multiple volumes.
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter
User Modifiable	Yes.

TEST, NOTEST

Specifies whether user sessions should be run in test mode.

Environment	All.
Abbreviated Name	TE, NOTE

Valid User Values	TEST, TE, NOTEST, NOTE
Default	NOTEST
Recommendation	Do not specify, leaving the default value, unless TEST mode is specifically required.
Effects	<p>If TEST mode is on, changes to tables that are initiated by a rule are in effect only for the duration of the transaction. When the transaction ends or a COMMIT is issued, the updates are rolled back.</p> <p>This does not apply to external data tables; updates to external data are not rolled back.</p>
Type	<p>z/OS:</p> <ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter • Session startup parameter <p>Open Systems: Session startup parameter.</p>
User Modifiable	Yes.

THREADID

The operating system thread ID for the session.

Environment	Open Systems.
Effects	This value can be used in conjunction with STOPSESS to stop a session.
Related Topics	Refer to STOPSESS on page 164 .
Type	Session startup parameter.
User Modifiable	No.

THREADPOSIXNUM

The number of POSIX threads initialized under the POSIX task.

Environment	z/OS.
Valid User Values	1 to 200.
Default	50
Recommendation	<p>In a multiuser region, use the default unless a larger number of long running requests are active at any given time. An example of a long running request is a request waiting for data to be read from an TIBCO Enterprise Message Service queue.</p> <p>Only 1 thread is required in a single user region.</p>
Type	Execution Environment initialization parameter
User Modifiable	Yes.

TIMEOUTLIMIT

The time in minutes after which a terminal session terminates when there is no keyboard input.

Environment	All: all terminal-based sessions.
Valid User Values	0 to 1440; 0 disables the feature
Default	0
Recommendation	Set depending on site requirements.
Effects	Causes terminal sessions idle for more than this limit to terminate.
Related Topics	Refer to ALLOWSESSIONTIMEOUTLIMIT , NOALLOWSESSIONTIMEOUTLIMIT on page 31.
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter• Session startup parameter

User Modifiable	Yes.
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TN3270PORT

The number of the TIBCO Object Service Broker monitor socket port for a Telnet 3270 client.

Environment	Open Systems.
Abbreviated Name	TNPORT
Valid User Values	1024 to 65535
Default	9099
Effects	The Execution Environment parameters that use the value in the PORT parameter cannot use the value in the TN3270PORT parameter. These include CLOSE , CLOSEEE , RELOADPARAMS , NORELOADPARAMS , STATUS , STOP , STOPEE , and STOPSESS .
Type	TIBCO Object Service Broker monitor parameter.
User Modifiable	Yes.

TRANSPXFRSCRMAX

The maximum amount of display and transfer (DISPLAY & TRANSFERCALL rules language statement) screen rows storage allowed for a transaction.

Environment	z/OS.
Abbreviation	TDXMAX
Valid User Values	Minimum: 0; no maximum
Default	0
Recommendation	Use the default, unless you need a limit to impose some restriction.

Effects	<p>A value of 0 means no limit.</p> <p>This storage limit is the limit for each transaction of a session.</p> <p>You can change the setting during the session by calling the \$SETOPT tool.</p>
Related parameter	SESSDSPXFRSCRMX
Type	<ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter• Session startup parameter
User Modifiable	Yes.

TRANMAXNUM

The maximum number of nested transactions for a session.

Environment	All.
Abbreviated Name	<p>z/OS: none</p> <p>Open Systems: TMN</p>
Valid User Values	<p>z/OS: 1 to 9</p> <p>Open Systems: 1 to 99</p>
Default	9
Recommendation	Use the default. To run the workbench, this must be set to at least 4.
Effects	z/OS storage: Non-fixed virtual storage above the 16 MB line.
Type	<p>z/OS:</p> <ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter <p>Open Systems: Execution Environment initialization parameter.</p>

User Modifiable	Yes.
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TRANMEMMAX

z/OS:

The maximum amount of transaction memory a single transaction can use.

Open Systems:

The maximum amount of transaction memory for a session.

Environment	All.
Valid User Values	z/OS: Minimum is 364K to the maximum at your location Open Systems: 364K to 2048M
Default	z/OS: 16M Open Systems: 16M
Recommendation	Use the default.
Effects	A transaction fails if it requests more memory than specified here. z/OS storage: Non-fixed virtual storage above the 16 MB line
Type	z/OS: <ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter • Session startup parameter Open Systems: Session startup parameter.
User Modifiable	Yes.

TTYLOGFILE

The ostty client log file.

Environment	Open Systems.
Abbreviated Name	TLF
Valid User Values	A valid filename of up to 256 characters in length.
Default	<i>tty.name.mm.dd-hh.MM.ss.log</i> , where: <ul style="list-style-type: none">• <i>name</i> is the name of the ostty parameter group (refer to NAME on page 95)• from the ostty session startup timestamp:<ul style="list-style-type: none">— <i>mm</i> is the month— <i>dd</i> is the day— <i>hh</i> is the hour— <i>MM</i> is the minutes— <i>ss</i> is the seconds
Effects	This log is written to the client machine.
Type	ostty parameter.
User Modifiable	Yes.

UNICODEDIR

The path to the directory that contains the Unicode configuration files.

Environment	Open Systems.
Abbreviated Name	UNIDIR
Valid User Values	A valid directory path of up to 255 characters in length. Must be the same as the UNICODEDIR Data Object Broker parameter.
Default	None, TIBCO Object Service Broker uses its default information for Unicode processing.

Effect	<p>The TIBCO Object Service Broker initialization code uses the files in this directory to configure Unicode processing.</p> <p>In the absence of any of the files in the directory, TIBCO Object Service Broker uses the default information for that portion of Unicode processing: translation, casing, or collation.</p>
Related Topics	Refer to <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> for more information about Unicode configuration.
Type	Execution Environment initialization parameter.
User Modifiable	Yes.

USERID

The TIBCO Object Service Broker session user ID.

Environment	All.
Abbreviated Name	U
Valid User Values	A string of up to 8 characters in length.
Default	<p>z/OS:</p> <ul style="list-style-type: none"> The external logon ID; for example, if under TSO, the TSO logon ID; in batch, the user ID submitting the job; in CICS or IMS TM, the sign-on ID. There is no default for the Native Execution Environment. <p>Open Systems: An empty string.</p>
Recommendation	Use this parameter to override the default.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS External Environments</i> for more information about z/OS sessions invoked by other programs.
Effects	A TIBCO Object Service Broker session does not start without a user ID.

Type	Session startup parameter.
User Modifiable	Yes.

VARLDELIMITER

The character to be used as the left delimiter for enclosing substituted variables in @SCHEDULEMODEL.

Environment	All.
Abbreviated Name	VLD
Valid User Values	A string of 1 to 3 characters in length.
Default	Left brace ()
Recommendation	If appropriate for your installation, use the default character (left brace). Otherwise, use a character or a string of up to three characters that is not used for other purposes.
Effects	<p>This parameter specifies the character string to be recognized by TIBCO Object Service Broker as the left delimiter for enclosing substituted variables in @SCHEDULEMODEL table instances.</p> <p>Instances of @SCHEDULEMODEL that are supplied with TIBCO Object Service Broker use the left brace as the left delimiter for substituted variables. If your VARLDELIMITER setting is other than the default, you must edit the @SCHEDULEMODEL instances to be consistent with this parameter’s setting.</p>
Type	<p>z/OS:</p> <ul style="list-style-type: none">• Configuration parameter• Execution Environment initialization parameter• Session startup parameter <p>Open Systems: Session startup parameter.</p>
User Modifiable	Yes.

VARRDELIMITER

The character to be used as the right delimiter for enclosing substituted variables in @SCHEDULEMODEL.

Environment	All.
Abbreviated Name	VRD
Valid User Values	A string of 1 to 3 characters in length
Default	Right brace (})
Recommendation	If appropriate for your installation, use the default character (right brace). Otherwise, use a character or a string of up to three characters that is not used for other purposes.
Effects	<p>This parameter specifies the character string to be recognized by TIBCO Object Service Broker as the right delimiter for enclosing substituted variables in @SCHEDULEMODEL table instances.</p> <p>Instances of @SCHEDULEMODEL that are supplied with TIBCO Object Service Broker use the right brace as the right delimiter for substituted variables. If your VARRDELIMITER setting is other than the default, you must edit the @SCHEDULEMODEL instances to be consistent with this parameter's setting.</p>
Type	<p>z/OS:</p> <ul style="list-style-type: none"> • Configuration parameter • Execution Environment initialization parameter • Session startup parameter <p>Open Systems: Session startup parameter.</p>
User Modifiable	Yes.

VERBOSE, NOVERBOSE

Specifies whether informational messages are printed.

Environment	Open Systems.
Abbreviated Name	V, NOV
Valid User Values	VERBOSE, V, NOVERBOSE, NOV
Default	NOVERBOSE
Recommendation	Change to VERBOSE if diagnosing configuration parameters
Type	<ul style="list-style-type: none">• Execution Environment initialization parameter• TIBCO Object Service Broker monitor parameter
User Modifiable	Yes.

WORKINGDIR

The working directory.

Environment	Open Systems.
Abbreviated Name	WD
Valid User Values	A string of up to 255 characters in length.
Default	The current directory.
Type	Execution Environment initialization parameter.
User Modifiable	Yes.

YYCENTURYRANGE

The current century to be used for a date in a 2-digit year date semantic type field.

Environment	Open Systems.
Abbreviated Name	YY

Valid User Values	0 to 9999
Default	1980
Effects	If YYCENTURYRANGE is not 0, for example a valid value such as 1970, and the input year is greater than or equal to the year portion of the YYCENTURYRANGE value, the century portion of the YYCENTURYRANGE value is used. If the input year is smaller than the year portion of YYCENTURYRANGE, the century portion of YYCENTURYRANGE+1 is used.
Related Topics	On the TIBCO Object Service Broker z/OS platform, the \$SYSDATE macro is used to set the YYCENTURYRANGE. Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for information about using the \$SYSDATE macro.
Type	Execution Environment initialization parameter.
User Modifiable	Yes.

Chapter 3

Specifying Data Object Broker Parameters

This chapter describes how to specify Data Object Broker parameters.

Topics

- [Introduction, page 192](#)
- [Setting the Values, page 193](#)
- [Format of the Parameters, page 195](#)
- [Parameter Summary, page 196](#)

Introduction

Purpose of This Chapter

This chapter describes how to set the Data Object Broker parameters on the platforms supported by TIBCO Object Service Broker. This chapter should be used in conjunction with *TIBCO Object Service Broker for z/OS Installing and Operating* or *TIBCO Object Service Broker for Open Systems Installing and Operating* for your operating environment.

What are Data Object Broker Parameters?

Data Object Broker parameters determine how updates are made to the MetaStor and Pagestore, control data integrity, and provide monitoring statistics. The following sections describe the how the parameters are set for each of the supported platforms. Each of the parameters, including their defaults, valid values and where appropriate, important usage information, are described in [Chapter 4, Understanding Data Object Broker Parameters, on page 203](#).

Message Switch Parameters

The following Data Object Broker parameters are supported by Message Switches and have the same functionality as when applied to a Data Object Broker:

- | | | |
|--------------|--------------|---------------|
| • DESCACTION | • MAXUSERS | • ROUTWARN |
| • DESCERROR | • ROUTACTION | • WTOSUFFIX |
| • DESCINFORM | • ROUTERROR | • XCFGROUP |
| • DESCLOG | • ROUTINFORM | • XCFMEMBER |
| • DESCWARN | • ROUTLOG | • XCFWAITTIME |

Messages Switches also support the Execution Environment parameter [TDS](#). When used to configure Messages Switches, TDS represents the COMMID of the Data Object Broker to which the MSW will connect.

For details on configuring and using Message Switches, see *Chapter 10, Using Multiple Data Object Brokers, TIBCO Object Service Broker for z/OS Installing and Operating*.

Setting the Values

Where are the Parameters Specified?

z/OS

The OSRUNPRM member in the CNTL data set distributed with TIBCO Object Service Broker contains the Data Object Broker parameters used at initialization. This member contains the parameters set to default values. If you have the appropriate security privileges, you can edit the member by invoking the OSEMOD ISPF edit macro.

Open Systems

The crparm file in the database directory distributed with TIBCO Object Service Broker contains the Data Object Broker parameters used at initialization. This file contains detailed instructions on how to change the parameter values. If you have the appropriate security privileges, you can edit the file using a simple text editor such as Notepad.

The TIBCO Object Service Broker Database Administrator Menu

You can modify the Data Object Broker parameters using the TIBCO Object Service Broker Database Administrator menu. Refer to *TIBCO Object Service Broker for Open Systems Installing and Operating*.

Dynamically Modifying the Parameters

Some of the parameters can be modified dynamically by an operator through the Administration menu (S6BTLADM/hrntladm) or through a command. [Chapter 4, Understanding Data Object Broker Parameters, on page 203](#) identifies the modifiable parameters.

Command Format for z/OS

The format for commands to modify Data Object Broker startup parameters is:
MODIFY dob_jobname ,Parm=parm_name=value

MODIFY or F	The z/OS operator command
-------------	---------------------------

<i>dob_jobname</i>	The name of the batch job or the system task name under which the Data Object Broker is running
<i>Parm=</i>	The TIBCO Object Service Broker operator command for changing a startup parameter
<i>parm_name</i>	The name of the startup parameter you want to override
<i>value</i>	The new value that you want to assign to the parameter

Command Format for Open Systems

The format for commands to modify Data Object Broker startup parameters is:
hrncr Parm=parmname=value

<i>Parm=</i>	The TIBCO Object Service Broker operator command for changing a startup parameter
<i>parm_name</i>	The name of the startup parameter you want to override
<i>value</i>	The new value that you want to assign to the parameter



When you modify a Data Object Broker parameter that represents an interval (such as CHPTINTERVAL and SPININTERVAL), TIBCO Object Service Broker immediately ends any active interval of the corresponding type and starts a new interval using the new value.

Format of the Parameters

Syntax of Parameters

The platform that you are using determines the syntax of the parameters.

z/OS

PARAMETER=VALUE,

for example:

```
CHPAGELIMIT=380,  
CHPTINTERVAL=360,  
CHTRANLIMIT=2000,  
CTABLESIZE=8,
```

Open Systems

PARAMETER=VALUE

for example:

```
CHKTRACE=YES           # Checkpoint trace  
ERRNOTRACE=YES         # System and internal error trace
```

Parameter Summary

Summary of Data Object Broker Parameters



An X in the Change column indicates that a parameter is operator modifiable. If marked X (NR), the parameter can be modified, but this is not recommended.

Parameter	Environment			Change	Supports MSW
	z/OS	Windows	Solaris		
BWO	X				
CHKTRACE		X	X	X	
CHPAGELIMIT	X	X	X	X (NR)	
CHPTINTERVAL	X	X	X	X	
CHTRANLIMIT	X	X	X	X (NR)	
CLOGRETRYINT		X	X	X	
COMMID	X				
CTABAGE		X	X		
CTABLESIZE	X	X	X		
CTABRESIDENT	X	X	X		
DATAPAGELIMIT	X			X (NR)	
DBPROFILE	X	X	X	X	
DBSNAP	X			X	
DESCACTION	X			X (NR)	X
DESCERROR	X			X (NR)	X
DESCINFORM	X			X (NR)	X
DESCLOG	X			X (NR)	X

Parameter	Environment			Change	Supports MSW
	z/OS	Windows	Solaris		
DESCWARN	X			X (NR)	X
DUPLEXLOGFAIL	X				
DUPUSERID	X			X	
ERRNOTRACE		X	X	X	
ESTAE	X				
EVENTLOG		X			
FIXEDRPDPOOL	X				
GTFID	X			X	
HAWKANAME		X	X		
HAWKDAEMON		X	X		
HAWKDNNAME		X	X		
HAWKNETWORK		X	X		
HAWKPOLL		X	X		
HAWKSERVICE		X	X		
HEAPSIZE		X	X		
IOTRACE		X	X	X	
JOURNALS	X				
LOCKBUFFERS	X	X	X		
LOCKTIMEOUT	X			X	
LOGMESSAGE	X			X	
MAXCONCURRENT		X	X		
MAXDBMS		X	X		
MAXDISPLAY	X				
MAXNODES	X				

Parameter	Environment			Change	Supports MSW
	z/OS	Windows	Solaris		
MAXOPERATORS		X	X		
MAXQUERY	X				
MAXRESOURCES	X				
MAXTDSEXTENTS		X	X		
MAXTHREADS	X				
MAXUSERS	X	X	X		X
MAXVSAMC	X				
MSGSIZE		X	X		
MSGTRACE	X	X	X	X	
NETVIEWBASE	X			X	
NODENAME	X	X	X		
OPERATOR		X	X		
PAGESWEEPACTION	X			X	
PAGESWEEPLIMIT	X			X	
PEERS		X	X		
PRIVILEGED		X	X		
REMOTEDUP	X			X	
RESAGE		X	X		
RESIDENTHASHSIZE	X				
RESIDENTPAGES	X	X	X		
ROUTACTION	X			X (NR)	X
ROUTERROR	X			X (NR)	X
ROUTINFORM	X			X (NR)	X
ROUTLOG	X			X (NR)	X

Parameter	Environment			Change	Supports MSW
	z/OS	Windows	Solaris		
ROUTWARN	X			X (NR)	X
RSCSCHEDULES	X				
SECCLASS	X				
SECREQUESTOR	X				
SECSUBSYSTEM	X				
SECSUBSYSTEM	X			X	
SHAREDALIGN		X	X		
SHAREDMEMADDR		X	X		
SHAREDMEMPERM			X		
SIXDATAPAGLIM	X			X	
SMFRECORD	X			X (only once)	
SMF13INTERVAL	X			X	
SMF22INTERVAL	X			X	
SMF23INTERVAL	X			X	
SMF24INTERVAL	X			X	
SMF25INTERVAL	X			X	
SMF26INTERVAL	X			X	
SMF27INTERVAL	X			X	
SMF28INTERVAL	X			X	
SMF47INTERVAL	X			X	
SNAPCLASS	X			X	
SNAPDSPREFIX	X			X	
SNAPHOLD	X			X	

Parameter	Environment			Change	Supports MSW
	z/OS	Windows	Solaris		
SNAPOVERRIDE	X			X	
SNAPQUERY	X	X	X	X	
SNAPREMOTE	X			X	
SNAPSUPPRESS	X			X	
SNAPUNIT	X			X	
SNAPVOLSER	X			X	
SPINDSNAME	X			X	
SPININTERVAL	X			X	
SPINMEMBER	X				
SPINOPTION	X				
SPINSHELL			X	X	
SRBMODE	X				
SSTRACE	X			X	
STDERRTRACE		X	X	X	
STDOUTTRACE		X	X	X	
SVCTRACE		X	X	X	
SWAPPABLE	X				
SYNCTRACE		X	X	X	
SYSADMIN		X	X		
TIMEOUTABEND		X	X		
TIMEOUTSTART		X	X		
TIMEOUTSTOP		X	X		
TIMESTAMP	X			X	
TRXREADLIMIT	X			X	

Parameter	Environment			Change	Supports MSW
	z/OS	Windows	Solaris		
USEREXIT	X				
USEREXIT		X	X	X	
USERSHUTDOWN	X				
WORKINGSET	X	X	X	X	
WTOCLASS	X			X	
WTOCONSOLE	X			X	
WTODELETE	X			X	
WTOHOLD	X			X	
WTOINTERVAL	X			X (NR)	
WTOPID		X	X	X	
WTOREMOTE	X			X	
WTOSOURCE		X	X	X	
WTOSUFFIX	X			X (if not previously set)	X
WTOSYSLOG	X			X	
WTOTAG		X	X	X	
WTOTIME		X	X	X	
XCFGROUP	X				X
XCFMEMBER	X				X
XCFMODE	X				
XCFSTRUCTURE	X				X
XCFWAITTIME	X			X	
XTABLESIZE	X	X	X		

Chapter 4

Understanding Data Object Broker Parameters

This chapter describes the Data Object Broker parameters.

Topics

- [Parameter Descriptions, page 204](#)

Parameter Descriptions

BWO

Specifies whether Backup While Open is supported.

Environment	z/OS
Valid Values	Y, N
Default	N
Operator Modifiable	No

CHKTRACE

Specifies whether to make a checkpoint trace.

Environment	Open Systems.
Valid Values	Y and N
Default	Y
Effects	If CHKTRACE is set to Y (a trace is requested), a message is printed to the Data Object Broker log at the beginning and end of each checkpoint.
Operator Modifiable	Yes.

CHPAGELIMIT

The threshold, in number of changed pages, that triggers a checkpoint.

Environment	All
Valid Values	Must be less than 15% of RESIDENTPAGES . z/OS: 50 to 32767 Open Systems: 50 to 36695

Default	1000
Recommendation	<p>Use the default as a starting point, and then monitor the frequency of checkpoints. You can adjust this value in conjunction with CHTRANLIMIT to cause a moderate frequency of checkpoint activity during peak load times.</p> <p>NOTE The value can be reduced by the Data Object Broker startup process if the redolog and cache are determined to be too small.</p>
Effects	A high frequency of checkpoints can have a negative effect on the overall performance of the Data Object Broker. However, the frequency should support your backup and recovery requirements.
Usage Notes	<p>z/OS:</p> <ul style="list-style-type: none"> • The journal must be large enough to hold 50 checkpoints, that is, 50*CHPAGELIMIT 4 KB pages. • If the journal is too small, adjust CHPAGELIMIT accordingly or increase the size of the journal data sets. <p>All:</p> <ul style="list-style-type: none"> • CHPAGELIMIT must not exceed 15% of the resident pages value. • The redolog must hold at least two complete checkpoints. See also, CHTRANLIMIT, on page 206.
Measurement	z/OS: If collection of SMF records is enabled, a subtype 12 record is produced on a checkpoint. The field HU12PAG contains the number of physical pages updated during each checkpoint.
Operator Modifiable	Yes, but modification is not recommended.

CHPTINTERVAL

The maximum time interval in minutes between checkpoints, before the Data Object Broker triggers another checkpoint.

Environment	All.
Valid Values	5 to 1440, and 0, which disables this feature
Default	360
Recommendation	This feature should be used only when you want to set a maximum interval between checkpoints during periods of low activity.
Effects	A high frequency of checkpoints can have a negative effect on the overall performance of the Data Object Broker. However, the frequency should support your backup and recovery requirements.
Measurement	z/OS: If collection of SMF records is enabled, a subtype 12 record is produced on a checkpoint. These records contain the date and time of each checkpoint taken.
Operator Modifiable	Yes.

CHTRANLIMIT

The number of commits, issued from Execution Environments connected to this Data Object Broker, that cause it to take a checkpoint.

Environment	All.
Valid Values	0 to 3000
Default	2000

Recommendation	<ul style="list-style-type: none"> • Use the default as a starting point, and then monitor the frequency of checkpoints. • You can adjust this value in conjunction with CHPAGELIMIT to cause a moderate amount of checkpoint activity during peak load times. • Size your redolog for at least $2 * (\text{CHTRANLIMIT} * 32 \text{ KB}) + 4 \text{ KB}$.
Effects	<p>A high frequency of checkpoints can have a negative effect on the overall performance of the Data Object Broker. However, the frequency should support your backup and recovery requirements.</p> <p>A value of 0 causes the actual value of CHTRANLIMIT to be set based on the calculated maximum capacity of the redolog $((\text{size of redolog in bytes} - 4096) / 32768)$.</p>
Measurement	z/OS: If collection of SMF records is enabled, a subtype 12 record is produced on a checkpoint. The field HU12NTRX contains the number of commits processed during each checkpoint.
Operator Modifiable	Yes, but modification is not recommended.

CLOGRETRYINT

The retry interval, in seconds, at which the Data Object Broker should attempt to resolve in-doubt distributed transactions.

Environment	Open Systems.
Valid Values	15 to 86400
Default	60
Recommendation	Use the default.
Operator Modifiable	Yes.

COMMID

The Data Object Broker communications identifier. If a user wants to connect to this Data Object Broker, the identifier must be specified as the [TDS](#) Execution Environment parameter.

Environment	z/OS.
Valid Values	A valid identifier of 1 to 8 uppercase characters in length
Default	HURSRV
Recommendation	Specify a valid communications application identifier dedicated to this Data Object Broker. NOTE This identifier is required regardless of the communication method used, for example, VTAM, Cross Memory Services, or TCP/IP.
Related Parameters	TDS on page 175.
Operator Modifiable	No.

CTABAGE

The CTABLE LRU-2 aging threshold.

Environment	Open Systems.
Valid Values	0 to 256
Default	20
Recommendation	Use the default.
Related Topics	Refer to <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> for more information on the LRU-2 algorithm.
Operator Modifiable	No.

CTABLESIZE

The maximum size, in kilobytes, for CTABLEs, the internal representations of TIBCO Object Service Broker table definitions.

The size required depends on the complexity of the table definition.

Environment	All.
Valid Values	z/OS: 4 to 31 Open Systems: 4 to 32, in increments of 4
Default	8
Recommendation	Use the default initially, and adjust if necessary. 8 KB supports approximately 150 fields. The ESTIMATETBLDFN tool provides an approximation of CTABLE size required for table definitions.
Effects	If the CTABLESIZE is too small to accommodate a table definition, the transaction requesting the table definition fails. The actual amount of storage allocated by the Data Object Broker for CTABLEs is CTABLESIZE * CTABRESIDENT . This CTABLE pool is above the 16 MB line on z/OS.
Related Topics	Refer to <i>TIBCO Object Service Broker Shareable Tools</i> for more information about the ESTIMATETBLDFN tool.
Operator Modifiable	No.

CTABRESIDENT

The maximum number of table definitions, in CTABLEs, that can simultaneously reside in Data Object Broker storage.

Environment	All.
Valid Values	256 to 4096

Default	1024
Recommendation	Use the default initially and later adjust if necessary.
Effects	<p>Application response times and Data Object Broker CPU consumption will be reduced if requested CTABLES are resident and do not have to be built.</p> <p>The actual amount of storage allocated by the Data Object Broker for CTABLEs is CTABLESIZE * CTABRESIDENT. This CTABLE pool is above the 16 MB line on z/OS.</p>
Measurement	<p>z/OS:</p> <p>SMF record subtypes 10 and 26 contain the number of requests for CTABLE definitions:</p> <ul style="list-style-type: none">• Field HU10CTAB is the number of logical CTABLE requests• Field HU10BLDC is the number of physical CTABLE requests. This means that the CTABLE had to be built to satisfy the request. <p>Try to attain the highest possible ratio of logical CTABLE requests to physical CTABLE requests.</p> <p>All:</p> <p>The TIBCO Object Service Broker Administration menu also displays the logical and physical CTAB values on the General Statistics screen.</p>
Operator Modifiable	No.

DATAPAGELIMIT

The maximum number of data pages that can be updated within a transaction synchronization point process.

Environment	z/OS.
Valid Values	<p>32 to 512, and 999.</p> <p>Specify 999 to limit the number of updated pages to the WORKINGSETSIZE parameter value.</p>

Default	256
Recommendation	Use 999 to avoid secondary indices becoming invalid.
Effects	<ul style="list-style-type: none"> • Requests attempting to update more data pages than the specified value are aborted. • The larger the value the more data pages can be physically held by a transaction, thus there is greater potential for interference between transactions.
Operator Modifiable	Yes, but modification is not recommended.

DBPROFILE

The action to be performed when an external resource commit fails and the resource has Fail Safe level set to 0.

This parameter has no effect if the resource has Fail Safe level set to 1.

Environment	All.
Valid Values	0, 1
Default	1
Recommendation	<p>Use the default.</p> <p>For serial commit with more than 1 external resource. If the first resource fails the commit terminates. If the second or subsequent commit terminates, fail continuance depends on the value for this parameter.</p>
Effects	<ul style="list-style-type: none"> • Value of 0 ignores external resource failures and continues with the commit cycle. • Value of 1 terminates the commit cycle, abandoning all updates.

Related Topics	For more information about Fail Safe processing, refer to: <ul style="list-style-type: none">• <i>TIBCO Object Service Broker for z/OS Managing Backup and Recovery</i> or <i>TIBCO Object Service Broker for Open Systems Managing Backup and Recovery</i>• <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> or <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i>
Operator Modifiable	Yes.

DBSNAP

Specifies whether a snap dump is to be generated when an in-doubt transaction is detected.

Environment:	z/OS.
Valid Values	Y and N
Default	N
Recommendation	Use the default.
Effects	The resources required to schedule the snap dump are minimal and have little impact on the system.
Operator Modifiable	Yes.

DESCACTION

The descriptor code to use for A (alert) WTO messages. This is also a Message Switch parameter.

Environment	z/OS.
Valid Values	0 to 9 and A to G (for 10-16)
Default	0
Recommendation	Set as appropriate.

Effects	Descriptor codes determine how the system displays and deletes messages. If you do not specify a descriptor code, messages are issued as standard console messages.
---------	---

Operator Modifiable	Yes, but modification is not recommended.
---------------------	---

See Also The *MVS Routing and Descriptor Codes* IBM manual for code descriptions of WTO messages.

DESCERROR

The descriptor code to use for E (error) WTO messages. This is also a Message Switch parameter.

Environment	z/OS.
Valid Values	0 to 9 and A to G (for 10-16)
Default	0
Recommendation	Set as appropriate.
Effects	Descriptor codes determine how the system displays and deletes messages. If you do not specify a descriptor code, messages are issued as standard console messages.
Operator Modifiable	Yes, but modification is not recommended.

DESCINFORM

The descriptor code to use for I (information) WTO messages. This is also a Message Switch parameter.

Environment	z/OS.
Valid Values	0 to 9 and A to G (for 10-16)
Default	0
Recommendation	Set as appropriate.

Effects	Descriptor codes determine how the system displays and deletes messages. If you do not specify a descriptor code, messages are issued as standard console messages.
Operator Modifiable	Yes, but modification is not recommended.

DESCLOG

The descriptor code to use for L (log) WTO messages. This is also a Message Switch parameter.

Environment	z/OS.
Valid Values	0 to 9 and A to G (for 10-16)
Default	0
Recommendation	Set as appropriate.
Effects	Descriptor codes determine how the system displays and deletes messages. If you do not specify a descriptor code, messages are issued as standard console messages.
Operator Modifiable	Yes, but modification is not recommended.

DESCWARN

The descriptor code to use for W (warning) WTO messages. This is also a Message Switch parameter.

Environment	z/OS.
Valid Values	0 to 9 and A to G (for 10-16)
Default	0
Recommendation	Set as appropriate.

Effects	Descriptor codes determine how the system displays and deletes messages. If you do not specify a descriptor code, messages are issued as standard console messages.
Operator Modifiable	Yes, but modification is not recommended.

DUPLEXLOGFAIL

Specifies whether to continue processing in the event of an I/O error on the primary or duplex redolog.

Environment	z/OS.
Valid Values	END and CONTINUE
Default	CONTINUE
Recommendation	Set as appropriate.
Effects	If DUPLEXLOGFAIL is set to CONTINUE, processing is based on a single image of the log.
Operator Modifiable	No.

DUPUSERID

Specifies whether to allow duplicate online user IDs to create sessions concurrently.

Environment:	z/OS.
Valid Values	Y and N
Default	N
Recommendation	If multiple user logins are required, specify Y. If ISPF remote console servers are used, you should change the default ISPF command separator from a semicolon (;) to some other character. When DUPUSERID is Y, a semicolon separates the user ID from the user connection identifier.

Effects	Provides a unique identifier for user connections. The CANCELUSER, NOTRACE, and TRACEID operator commands refer to this identifier (<i>COMMNUM</i>). If DUPUSERID is set to Y, and one of these commands is issued for a user ID with multiple connections, the command returns messages that help you identify the connection you want to process. The messages prompt you to repeat the command with a unique identifier.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information on the CANCELUSER, NOTRACE, and TRACEID commands.
Operator Modifiable	Yes.

DYNAMICRESOURCE

Specifies whether to allow resource entries to be created dynamically.

Environment	z/OS
Valid Values	Y and N
Default	Y
Recommendation	Use the default unless required for security reasons.
Effects	<p>If set to N, all external gateway and Peer resources must be pre-defined using the Object Service Broker Administration utility.</p> <p>If set to Y, allows Object Service Broker gateways to dynamically create resource manager entries when they connect to the DOB. In this mode only Peer resources need to be pre-defined using the Object Service Broker Administration utility.</p>

Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information on the Administration Utility, the pre-requisites paragraphs in the various service gateway manuals for configuring the gateway resources, and Chapter 2 of the <i>TIBCO Object Service Broker Managing External Data</i> manual for configuring the service gateway for files resources.
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ERRNOTRACE

Specifies whether to have system and internal error tracing. This traces the failure of system library calls showing the errno value at the point of failure.

Environment	Open Systems.
Valid Values	Y and N
Default	Y
Recommendation	Use the default.
Operator Modifiable	Yes.

ESTAE

Specifies whether to enable the Data Object Broker Extended Specific Task Abnormal Exit (ESTAE) routine for handling abnormal terminations.

Environment	z/OS.
Valid Values	Y (yes) and N (no)
Default	Y
Recommendation	Use the default unless it is already in use by another product.
Effects	If there is no ESTAE, memory could be held after abnormal termination.
Operator Modifiable	No.

EVENTLOG

Specifies whether to log Execution Environment and Data Object Broker events.

Environment	Windows.
Valid Values	NONE, ERRORS, ALL
Default	NONE
Effects	NONE—Do not log any events ERRORS—Only log error events All—Log all events
Usage Notes	Registry entries for event logging can be created only if the user starting the Execution Environment or Data Object Broker has administrator rights.
Operator Modifiable	No.

FIXEDRPDPOOL

Specifies whether the Data Object Broker resident page directory is to be page fixed in storage.

Environment	z/OS.
Valid Values	Y and N
Default	Y
Recommendation	Use the default.

Effects	<p>A Y value causes the Data Object Broker to page fix additional real storage frames based on the RESIDENTPAGES value. It provides a performance benefit in a production environment by keeping the resident page directory in memory.</p> <p>However, this can cause additional z/OS paging to occur when real storage is constrained.</p> <ul style="list-style-type: none"> • If FIXEDRPDPOOL=N, the number of fixed frames required for the resident page directory is: Fixed Frames = $(8 * \text{RESIDENTPAGES} * 1000 / 4096)$ rounded to next higher integer. • If FIXEDRPDPOOL=Y, the number of additional fixed frames allocated for the resident page directory is: Fixed Frames = $(80 * \text{RESIDENTPAGES} * 1000 / 4096)$ rounded to next higher integer.
Measurement	Monitor z/OS paging rate before and after setting this parameter.
Related Parameters	RESIDENTPAGES on page 242
Operator Modifiable	No.

GTFID

The hexadecimal identifier for GTF trace records produced by the Data Object Broker when tracing is in effect.

Environment	z/OS.
Valid Values	00 to FF
Default	AA

Recommendation	<ul style="list-style-type: none">• Use the default unless it is already in use by another product.• Start the GTF trace with <code>USR(xx)</code>, where <code>xx</code> is the value of GTFID.• Set the MSGTRACE and SSTRACE parameters to Y.
Operator Modifiable	Yes.

HAWKANAME

The TIBCO Hawk microagent application name. This name can be used by TIBCO Hawk Agents when applying a Hawk rulebase.

Environment	Open Systems.
Valid User Values	A string of up to 128 characters in length.
Default	com.tibco.osb.dob.
Recommendation	Set as appropriate to avoid Hawk microagent application name collisions.
Related Topics	Refer to <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> for more information about the TIBCO Object Service Broker interface to TIBCO Hawk.
Related Parameters	HAWKDDNAME on page 221.
User Modifiable	No.

HAWKDAEMON

The TIBCO Hawk Rendezvous daemon and TCP port parameters.

Environment	Open Systems.
Valid User Values	A string of up to 128 characters in length.
Default	An empty string.
Effects	Setting this parameter enables the Hawk microagent within the Data Object Broker.

Related Topics	Refer to <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> for more information about the TIBCO Object Service Broker interface to TIBCO Hawk. Refer to product documentation for TIBCO Hawk and TIBCO Rendezvous for information about the Rendezvous daemon parameter.
Related Parameters	HAWKNETWORK on page 221. HAWKPOLL on page 222. HAWKSERVICE on page 223.
User Modifiable	No.

HAWKNAME

The TIBCO Hawk microagent display name. This name is displayed when using a TIBCO Hawk console application, such as TIBCO Hawk Display.

Environment	Open Systems.
Valid User Values	A string of up to 128 characters in length.
Default	TIBCO OSB Data Object Broker, Name <name>, Host <host>.
Related Topics	Refer to <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> for more information about the TIBCO Object Service Broker interface to TIBCO Hawk.
Related Parameters	HAWKNAME on page 220.
User Modifiable	No.

HAWKNETWORK

The TIBCO Hawk Rendezvous network parameter.

Environment	Open Systems.
Valid User Values	A string of up to 128 characters in length.
Default	An empty string.

Effects	Setting this parameter enables the Hawk microagent within the Data Object Broker.
Related Topics	Refer to <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> for more information about the TIBCO Object Service Broker interface to TIBCO Hawk. Refer to product documentation for TIBCO Hawk and TIBCO Rendezvous for information about the Rendezvous network parameter.
Related Parameters	HAWKDAEMON on page 220. HAWKPOLL on page 222. HAWKSERVICE on page 223.
User Modifiable	No.

HAWKPOLL

The number of milliseconds to wait between TIBCO Hawk session creation attempts.

Environment	Open Systems.
Valid User Values	1000 to 2147483647
Default	5000.
Effects	If the internal Hawk microagent is not able to establish a connection to TIBCO Hawk, then it will sleep for at most the specified number of milliseconds before trying again.
Related Topics	Refer to <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> for more information about the TIBCO Object Service Broker interface to TIBCO Hawk.
Related Parameters	HAWKDAEMON on page 220. HAWKNETWORK on page 221. HAWKSERVICE on page 223.
User Modifiable	No.

HAWKSERVICE

The TIBCO Hawk Rendezvous UDP service port.

Environment	Open Systems.
Valid User Values	A string of up to 128 characters in length.
Default	An empty string.
Effects	Setting this parameter enables the Hawk microagent within the Data Object Broker.
Related Topics	Refer to <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> for more information about the TIBCO Object Service Broker interface to TIBCO Hawk. Refer to product documentation for TIBCO Hawk and TIBCO Rendezvous for information about the Rendezvous network parameter.
Related Parameters	HAWKDAEMON on page 220. HAWKNETWORK on page 221. HAWKPOLL on page 222.
User Modifiable	No.

HEAPSIZE

The number of kilobytes in the heap available to TDS for each table access message.

Environment	Open Systems.
Valid Values	4 to 256
Default	48
Operator Modifiable	No.

IOTRACE

Specifies whether to trace the page I/O.

Environment	Open Systems.
Valid Values	Y and N
Default	N
Effects	If IOTRACE is set to Y (trace the I/O), a message is written to the Data Object Broker log for each I/O operation.
Operator Modifiable	Yes.

JOURNALS

Specifies whether to enable the Data Object Broker to write images of updated data store pages to journal files.

- JOURNALS=Y causes the Data Object Broker to perform journaling for all segments whose database definition allows journaling to be done.
- JOURNALS=N disables journaling for *all* segments.

Regardless of the setting for this parameter, journaling is never done for a segment whose database definition explicitly specifies *no* journaling for the segment.

Environment	z/OS.
Valid Values	Y and N
Default	Y
Recommendation	Use the default. Journaling is also controllable using TIBCO Object Service Broker operator commands.
Effects	If journals are not available for your segments, you cannot create a continuous backup of your system. This means you can restore your system only to the last complete backup taken.

Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information on journal control commands.
Operator Modifiable	No.

LOCKBUFFERS

The number of additional 4 KB lock buffers to be acquired beyond the base amount.

z/OS: This base amount is defined as [MAXTHREADS](#)*8.

Environment	All.
Valid Values	z/OS: 4 to 8192 Open Systems: 1 to 1024
Default	z/OS:128 Open Systems: 1
Recommendation	Use the default value unless you determine by measurement that you need additional lock buffers.
Effects	In heavy locking situations, a lock buffer pool that is too small can degrade service time, since transactions could be waiting on the lock buffer pool space. z/OS: If the available lock buffer space is inadequate more table locks are generated to reduce the number of occurrence locks, thus making more space available.
Measurement	On z/OS, the Buffer Pool screen of the TIBCO Object Service Broker Administration menu provides information about the LOCK pool usage. When the IN-USE MAX field shows the same value as the BUFFERS, the maximum has been reached. In that case use either this parameter or MAXTHREADS to increase the pool size.
Related Parameters	z/OS: MAXTHREADS on page 231

Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information about the Administration menu.
Operator Modifiable	No.

LOCKTIMEOUT

The wait interval in seconds before a lock request is retried if the initial request cannot be satisfied.

Environment	z/OS.
Valid Values	1 to 60
Default	5
Recommendation	Use the default value and adjust according to user response time experience.
Effects	<ul style="list-style-type: none">• If lock interference results from transactions of short duration, a small value could be appropriate.• If an excessive number of transactions are failing due to lock interference the value is too small.• A smaller value is better for a high volume online operating mode.• To improve response time, use a smaller value. <p>Also consider the application design, since it can have greater impact on response times than this parameter.</p>
Operator Modifiable	Yes.

LOGMESSAGE

Determines whether logon or logoff messaging is to be issued by the Message Switch.

Environment	z/OS.
Valid Values	ON, OFF, BOTH, NONE.

Default	None.
Effects	<ul style="list-style-type: none"> • ON — Issues an S6BMS207L message for a logon. • OFF — Issues an S6BMS207L message for a logoff. • BOTH — Issues an S6BMS207L message for both a logon and logoff. • NONE — Does not issue S6BMS207L messages.
Operator Modifiable	Yes.

MAXCONCURRENT

The maximum number of concurrent Data Object Broker transactions that can execute at a time.

Environment	Open Systems.
Valid Values	1 to 64
Default	3
Recommendation	In a distributed data environment, the value of MAXCONCURRENT should be greater than the number of peers that you expect to be active simultaneously. For example, in a distributed data configuration with eight peers, you should set MAXCONCURRENT to at least nine.
Operator Modifiable	No.

MAXDBMS

The maximum number of external database servers that can be connected to the Data Object Broker at one time.

Environment	Open Systems.
Valid Values	0 to 4096
Default	0

Operator Modifiable	No.
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MAXDISPLAY

The maximum number of CICS display-type connections that are allowed to connect concurrently to the Data Object Broker.

Environment	z/OS
Valid Values	0 to 3600
Default	0 (Indicates limit checking is disabled.)
Recommendation	Use the default of 0 to disable limit checking unless you have a reason to limit the number of CICS display type sessions.
Related Parameter	MAXUSERS on page 231
Effect	Causes CICS sessions to be rejected with an S6BSM047E error message if the limit is exceeded.
Operator Modifiable	Yes

MAXNODES

The maximum number of peer nodes.

Environment	z/OS.
Valid Values	1 to 1500
Default	128
Recommendation	The default can be reduced to the number of peer TIBCO Object Service Broker nodes plus at least 10% for growth.
Effects	This controls the amount of space allocated to support the Resource Manager.

Related Parameters	<ul style="list-style-type: none"> • MAXRESOURCES on page 230 • RSCSCHEDULES on page 246
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information about TIBCO Object Service Broker resources.
Operator Modifiable	No.

MAXOPERATORS

The maximum number of concurrent operator/administrator sessions that can be connected to the Data Object Broker at one time.

Environment	Open Systems.
Valid Values	1 to 64
Default	Windows: 2 Solaris: 4
Operator Modifiable	No.

MAXQUERY

The number of parallel query TCBs.

MAXQUERY supports the TIBCO Object Service Broker Accelerator Pack for z/OS, which is installed with TIBCO Object Service Broker.

Environment	z/OS.
Valid Values	1 to 8
Default	1
Effects	Use of this parameter increases parallel processing.
Operator Modifiable	No.

MAXRESOURCES

The maximum number of TIBCO Object Service Broker resources.

Environment	z/OS.
Valid Values	1 to 3500
Default	128
Recommendation	None
Related Parameters	<ul style="list-style-type: none">• MAXDBMS on page 227• RSCSCHEDULES on page 246
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information about TIBCO Object Service Broker resource management and other administration controls.
Operator Modifiable	No.

MAXTDSEXTENTS

The maximum number of extents in a TDS page file.

Environment	Open Systems.
Valid Values	1 to 16
Default	4
Recommendation	Since an extent contains 31,744 pages and the default is 4 extents, you must adjust this parameter if any page file exceeds 126,976 pages (4 x 31,744 =126,976). Set this parameter to the number of pages in the largest TDS page file divided by 31,744 (rounded up to the next integer) or 4, whichever is larger.
Operator Modifiable	No.

MAXTHREADS

The number of requests that the Data Object Broker can service at the same time.

Environment	z/OS.
Valid Values	1 to 2048
Default	16
Recommendation	Specify a value that is at least equal to the number of queries and updates that can be pending in the Data Object Broker at any given time from all Execution Environment.
Effects	If too low a value is specified, requests are delayed. Approximately 70 KB of non-fixed virtual storage above 16 MB is used for each concurrent request.
Measurement	Refer to IN-USE MAX field in the Buffer Pool Statistics screen (option D) of the TIBCO Object Service Broker Administration menu. One session buffer is assigned to each actively dispatched user.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information about the Administration menu.
Operator Modifiable	No.

MAXUSERS

The maximum number of user sessions that the Data Object Broker allows to be active at one time. This is also a Message Switch parameter.

This number includes user online and batch sessions. User connections are refused after this limit is reached. This limit does not include operator, external server, and peer server sessions. External and peer server sessions are limited by:

- z/OS: The Data Object Broker Resource Manager definitions
- Open Systems: The sum of the values in the [MAXDBMS](#) and [PEERS](#) parameters.

Environment	All.
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Valid Values	1 to 4096.
Default	z/OS: 16 Windows: 4 Solaris: 16
Recommendation	Specify a value that is at least equal to the maximum number of user sessions logged in at one time.
Effects	<p>If too low a value is specified, logins are rejected. On z/OS, approximately 2 KB of non-fixed virtual storage above the 16 MB is used for each login.</p> <p>Additional operator sessions are started when an Execution Environment is started or terminated—one operator session per Execution Environment.</p> <p>The impact of these sessions is minimal in most multiple-user Execution Environments (for example, Native Execution Environment or CICS). MAXUSERS should be increased only to accommodate the additional operator sessions if TSO or batch Execution Environments are heavily used.</p>
Measurement	<p>The TIBCO Object Service Broker Administration menu's General Statistics screen indicates how many users are currently logged in (USERS) and the maximum number of concurrent connections (users and servers) measured (MAXCON) during the life of this Data Object Broker.</p> <p>On z/OS, this information is also available in TIBCO Object Service Broker SMF subtype-10 (total) and -26 (interval) records.</p>
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> or <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information about the Administration menu.
Operator Modifiable	No.

MAXVSAMC

The maximum number of concurrent I/O requests to all page data sets.

You can reduce the maximum for a particular segment using the THREADS parameter in the segment's database definition.

Environment	z/OS.
Valid Values	3 to 255
Default	24
Recommendation	Use the default and change it if necessary, based on measurement.
Effects	Too low a value causes processing overhead, as more VSAM scheduling is necessary. This results in additional VSAM requests and associated processing overhead. Increasing this value improves performance by allowing VSAM to allocate virtual storage for its control blocks.
Measurement	<p>The TIBCO Object Service Broker Administration menu shows the actual count of concurrent I/Os on its DASD Statistics screen. It shows the parameter setting on the Installation/Configuration screen as CONCURRENT VSAM.</p> <p>This information is also available in the TIBCO Object Service Broker SMF subtype-11 records (at page data set level).</p>
Related Parameters	THREADS (Database definition parameter). The THREADS parameter is described in <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> .
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> or <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information about the Administration menu.
Operator Modifiable	No.

MSGSIZE

The size of buffers, in kilobytes, for table access to TDS messages.

Environment	Open Systems.
Valid Values	4 to 32
Default	32
Operator Modifiable	No.

MSGTRACE

Specifies whether to produce records for all query and commit requests received by the Data Object Broker. Use this parameter only in consultation with your TIBCO Support representative, as it can affect system performance.

Environment	All.
Valid Values	Y and N
Default	N
Recommendation	Do not set to Y unless directed to do so by your TIBCO Support representative.
Effects	<p>z/OS:</p> <ul style="list-style-type: none">• GTF must be active to record the data produced. The use of GTF can affect overall system performance.• Media storage space is affected, if External TRACE data set used. <p>Solaris: Records are copied to \$OS_ROOT/log/hrncr.99999.msg, where 99999 is the process ID of the hrncr supervisor process.</p> <p>Windows: Records are copied to %OS_ROOT\LOG\hrncr.999.msg, where 999 is a sequence incremented for each instance of the log file.</p>
Related Parameters	z/OS: GTFID on page 219 .
Operator Modifiable	Yes.

NETVIEWBASE

The base code point indicator, during startup, for Netview support for alert-level messages.

Environment	z/OS.
Valid Values	0 to 16
Default	0
Recommendation	If no other applications are using user code points, use NETVIEWBASE=1.
Effects	NETVIEWBASE=0 turns off Netview support. The recommended NETVIEWBASE=1 setting translates to x'E000' as the base code point.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information about Netview support.
Operator Modifiable	Yes.

NODENAME

A symbolic name to uniquely identify a Data Object Broker. When specifying a location in a rule, you use the “nodename” to identify the target location.

In Open Systems, the value for this parameter is also used as the communications identifier to identify the Data Object Broker to connect to for components such as client processes, Execution Environments, external database servers, and peer Data Object Brokers. (On z/OS, the COMMID parameter is used as the communications identifier to identify the Data Object Brokers to connect to for these components.)

Environment	All.
Valid Values	A valid uppercase alphanumeric identifier of 1 to 16 characters in length
Default	z/OS: none Open Systems: Data Object Broker name specified at installation time.

Recommendation	When assigning a nodename, consider all other Data Object Broker nodes in your TIBCO Object Service Broker distributed network.
Related Parameters	z/OS: COMMID on page 208 .
Operator Modifiable	No.

OPERATOR

One or more user IDs that should have operator authority for this Data Object Broker. User IDs with operator authority can cancel users.

Environment	Open Systems.
Valid Values	<p>Operating system user ID. Separate each entry with a comma. Up to fifteen values can be specified.</p> <p>To specify an entry with non-alphanumeric characters, surround the entry with double quotes ("). The backslash (\) may be used to escape a double quote or itself.</p> <p>NOTE Case sensitive.</p>
Default	The system user ID used during installation.
Recommendation	When assigning a node name, consider all other Data Object Broker nodes in your TIBCO Object Service Broker distributed data network.
Related Parameters	<ul style="list-style-type: none">• PRIVILEGED on page 239• SYSADMIN on page 272
Operator Modifiable	No.

PAGESWEEPACTION

The page sweep reporting option.

After triggering a page sweep report, the transaction continues normally.

Environment	z/OS.
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Valid Values	DUMP, NODUMP, LOG, NOLOG, SMF, NOSMF
Default	NODUMP, NOLOG, and NOSMF.
Effects	<p>When a message requests a logical page read that exceeds the threshold limit specified in the PAGESWEEPLIMIT parameter:</p> <ul style="list-style-type: none"> • If the value is DUMP, an SVC dump is taken. • If the value is LOG, the S6BKF038W warning message appears in the log and on the console. • If the value is SMF, an SMF record is written. For this option, SMFRECORD must be other than 0. <p>Using a value with the “NO” prefix disables the corresponding option.</p> <p>To get TIBCO Object Service Broker to perform more than one action, you must submit the PAGESWEEPACTION parameter more than once. For example, you could get an SVC dump and an SMF record.</p> <p>The effect of PAGESWEEPACTION is global. To affect individual users, use the Sweepaction Data Object Broker command.</p>
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information about Data Object Broker commands.
Related Parameter	PAGESWEEPACTION takes effect only if PAGESWEEPLIMIT is greater than zero.
Operator Modifiable	Yes.

PAGESWEEPLIMIT

The threshold number of logical page reads for page sweep reporting.

On z/OS, when a Data Object Broker transaction processes this number of page reads, [PAGESWEEPACTION](#) is triggered.

Environment	All.
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Valid Values	0 to 65535. 0 indicates that the page sweep reporting function is to be disabled.
Default	0
Recommendation	Set the limit high enough that it is seldom reached. This reduces impact on your system, especially if you chose DUMP for action.
Effects	<p>PAGESWEEPLIMIT is reset for each Data Object Broker transaction, of which there can be many during an Execution Environment transaction. In fact, each GET or FORALL in a rule starts a new Data Object Broker transaction. Also, if a FORALL retrieves more than 4 KB of data, each 4 KB request is a separate Data Object Broker transaction.</p> <p>Each time the Data Object Broker reads a page, the counter is decremented. When it reaches zero on z/OS, the PAGESWEEP ACTION is taken. When it reaches zero on Open Systems, a warning message is issued in the log. Because each Data Object Broker transaction can access more than one table, hitting the limit means the transaction has read the specified number of pages from all the tables it needed to access, not just a single table.</p> <p>PAGESWEEP ACTION on z/OS or the warning message on Open Systems reports the table being accessed at the time the transaction reads the last page; all the preceding pages could be from different tables if, for example:</p> <ul style="list-style-type: none">• A ctable had to be built, that is, the table is not bound or this is the first read for this table• A trigger rule on the table referenced another table• Records were written to ACCESSLOG• Security tables were read
Related Parameter	If PAGESWEEPLIMIT is greater than zero on z/OS, PAGESWEEP ACTION must be valid.
Operator Modifiable	Yes.

PEERS

A connection that this Data Object Broker can establish with another Data Object Broker in the TIBCO Object Service Broker distributed data network. Define all the remote Data Object Brokers with which you want to establish communications. Session requests from undefined Data Object Brokers are rejected.

Environment	Open Systems.
Valid Values	<p>The PEERS parameter accepts the following arguments:</p> <ul style="list-style-type: none"> • <i>nodename</i>—The node alias (in <i>huron.dir</i>) of the Data Object Broker being defined. The peer identified can be on any supported system, and must be valid and defined in the Data Object Broker directory file. • <i>outbound</i>—Maximum number of sessions to establish for this connection (minimum 0, maximum 128). • <i>inbound</i>—Maximum number of sessions that are accepted from the peer specified (minimum 0, maximum 128). • <i>prefix</i>—A one to three character prefix used to build user IDs to login to the target Data Object Broker. For example, for prefix TOR, user IDs TOR00001, TOR00002, and so on are generated. • <i>fslevel</i>—The Fail Safe level this connection is capable of supporting. For connections between Data Object Brokers, valid options are: 0, 1, or 2. This argument is optional; if it is omitted, the default 2 is assumed. <p>Code one PEERS parameter per statement. You can code up to 64 statements.</p>
Operator Modifiable	No.

PRIVILEGED

One or more user IDs that should have privileges for this Data Object Broker. A privileged user can, for example, view the list of users, but cannot cancel users.

Environment	Open Systems.
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Valid Values	<p>Operating system user ID. Separate each entry with a comma. Up to fifteen values can be specified.</p> <p>To specify an entry with non-alphanumeric characters, surround the entry with double quotes ("). The backslash (\) may be used to escape a double quote or itself.</p> <p>NOTE Case sensitive.</p>
Default	None.
Related Parameters	<ul style="list-style-type: none">• OPERATOR on page 236• SYSADMIN on page 272
Operator Modifiable	No.

REMOTEDUP

Specifies whether to allow connections with duplicate user IDs when either the existing or the connecting use is for an API process.

Environment:	z/OS.
Valid Values	Y and N
Default	N
Recommendation	<p>If there is likely to be a local user ID that matches the user ID of the request from an API process (for example, if batch jobs share names), specify REMOTEDUP=Y.</p>
Effects	<p>If REMOTEDUP is set to Y (allow connection), a user can connect under their user ID even though an API process is running under that same user ID.</p> <p>Provides a unique identifier for user connections. The CANCELUSER, NOTRACE, and TRACEID operator commands refer to this identifier (<i>COMMNUM</i>). If REMOTEDUP is set to Y, and one of these commands is issued for a user ID with multiple connections, the command returns messages that help you identify the connection you want to process. The messages prompt you to repeat the command with a unique identifier.</p>

Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information on the CANCELUSER, NOTRACE, and TRACEID commands.
Related Parameter	DUPUSERID on page 215 .
Operator Modifiable	Yes.

RESAGE

The resident page LRU-2 aging threshold.

Environment	Open Systems.
Valid Values	0 to 4096
Default	300
Recommendation	Use the default and change it only if necessary, based on the results of measurement.
Related Topics	Refer to <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> for more information on the LRU-2 algorithm.
Operator Modifiable	No.

RESIDENTHASHSIZE

The number of entries in the resident page hash table.

Environment	z/OS.
Valid Values	2039 to 16777213
Default	65521
Recommendation	Use the default. If the value is set, use a large prime number or a multiple of a large prime number to ensure that the hashing mechanism works effectively.
Operator Modifiable	No.

RESIDENTPAGES

The number of 4 KB pages for data and index buffers in thousands.

Environment	All.
Valid Values	<p>z/OS: 2 to 8192 (thousands of pages)</p> <p>Open Systems: 100 to 262144</p> <p>On z/OS, the actual number of pages allocated will be at the next higher 1 megabyte boundary. For example, a value of 2 (2000) will result in an allocation of 2048 pages.</p>
Default	<p>z/OS: 10</p> <p>Open Systems: 7000</p>
Recommendation	Use the default and change it if necessary, based on the results of measurement.
Effects	<p>Too low a value causes processing overhead and longer transaction times, as pages could have to be brought into memory to satisfy database access requests. A larger value increases the likelihood of needed pages being in storage, unless accesses are very random.</p> <p>Non-fixed virtual storage requirements vary proportionally with this parameter. At a minimum, 4096 bytes of virtual storage is allocated for each buffer. This virtual storage is obtained above the 16 MB line.</p>
Measurement	<p>Comparing Logical Gets to Physical Reads, as provided by the TIBCO Object Service Broker Administration menu's General Statistics screen, gives an estimate of buffer hit rate.</p> <p>Low ratios can indicate that performance could be enhanced by the allocation of more RESIDENTPAGES, while extremely high ratios can indicate an over-allocated resource (Virtual Storage).</p> <p>On z/OS, the above information is also available in the TIBCO Object Service Broker SMF subtype-10 (total) and -26 (interval) records.</p>

Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> or <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> for more information about the Administration menu.
Related Parameters	Open Systems: ERRNOTRACE on page 217 .
Operator Modifiable	No.

ROUTACTION

The route code for A (alert) WTO messages. This is also a Message Switch parameter.

Environment	z/OS.
Valid Values	0 to 9 and A to G (for 10-16). You can specify multiple values for the parameter. For example, ROUTACTION=B14 sets ROUTACTION to 1, 4, and 11.
Default	B
Recommendation	You could change route code 1 to specify operator action routing.
Measurement	You can view this parameter's setting online through the TIBCO Object Service Broker Administration menu's Installation/Configuration screen. Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for information on how this screen displays the settings.
Related Parameters	DESCACTION on page 212
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information about the Administration menu.
Operator Modifiable	Yes, but modification is not recommended.

Associated
Documentation

The *MVS Routing and Descriptor Codes* IBM manual for code descriptions of WTO messages.

ROUTERROR

The route code for E (error) WTO messages. This is also a Message Switch parameter.

Environment	z/OS.
Valid Values	0 to 9 and A to G (for 10-16). You can specify multiple values for the parameter. For example, ROUTERROR=B14 sets ROUTERROR to 1, 4, and 11.
Default	B
Recommendation	You could change route code A to specify error routing.
Measurement	You can view this parameter’s setting online through the TIBCO Object Service Broker Administration menu’s Installation/Configuration screen. Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for information on how this screen displays the settings.
Related Parameters	DESCERROR on page 213
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information about the Administration menu.
Operator Modifiable	Yes, but modification is not recommended.

ROUTINFORM

The route code for I (information) WTO messages. This is also a Message Switch parameter.

Environment	z/OS.
Valid Values	0 to 9 and A to G (for 10-16). You can specify multiple values for the parameter. For example, ROUTINFORM=B14 sets ROUTINFORM to 1, 4, and 11.
Default	B
Recommendation	You could change route code 2 to specify operator information routing.

Measurement	You can view this parameter's setting online through the TIBCO Object Service Broker Administration menu's Installation/Configuration screen. Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for information on how this screen displays the settings.
Related Parameters	DESCINFORM on page 213
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information about the Administration menu.
Operator Modifiable	Yes, but modification is not recommended.

ROUTLOG

The route code for L (log) WTO messages This is also a Message Switch parameter.

Environment	z/OS.
Valid Values	0 to 9 and A to G (for 10-16). You can specify multiple values for the parameter. For example, ROUTLOG=B14 sets ROUTLOG to 1, 4, and 11.
Default	B
Recommendation	Use the default. Route code B specifies routing to the log.
Measurement	You can view this parameter's setting online through the TIBCO Object Service Broker Administration menu's Installation/Configuration screen. Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for information on how this screen displays the settings.
Related Parameters	DESCLOG on page 214.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information about the Administration menu.

Operator Modifiable	Yes, but modification is not recommended.
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ROUTWARN

The route code for W (warning) WTO messages. This is also a Message Switch parameter.

Environment	z/OS.
Valid Values	0 to 9 and A to G (for 10-16). You can specify multiple values for the parameter. For example, ROUTWARN=B14 sets ROUTWARN to 1, 4, and 11.
Default	B
Recommendation	You could change route code 2 to specify operator information routing.
Measurement	You can view this parameter’s setting online through the TIBCO Object Service Broker Administration menu’s Installation/Configuration screen. Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for information on how this screen displays the settings.
Related Parameters	DESCWARN on page 214
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information about the Administration menu.
Operator Modifiable	Yes, but modification is not recommended.

RSCSCHEDULES

The average number of schedule entries for each TIBCO Object Service Broker resource.

Environment	z/OS.
Valid Values	1 to 24
Default	1

Recommendation	None
Effects	Each line in a schedule entry counts as an entry when estimating a value for RSCSCHEDULES.
Related Parameters	<ul style="list-style-type: none"> • MAXDBMS on page 227 • MAXRESOURCES on page 230
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information about TIBCO Object Service Broker resource management and other administration controls.
Operator Modifiable	No.

SECCLASS

The security class of the request defined by TIBCO Object Service Broker for Data Object Broker access.

Environment	z/OS
Valid Values	1- to 8-character security class name.
Default	S6BDOB
Related Topics	Refer to SECREQUESTOR on page 247 , SECSUBSYSTEM on page 248 , and <i>TIBCO Object Service Broker Managing Security</i> .
Type	Configuration parameter.
Operator Modifiable	No

SECREQUESTOR

The internal requestor name as defined by TIBCO Object Service Broker for Data Object Broker access.

Environment	z/OS
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Valid Values	1- to 8-character security requestor name.
Default	S6BDOBOP
Related Topics	Refer to SECCLASS on page 247 , SECSUBSYSTEM on page 248 , and <i>TIBCO Object Service Broker Managing Security</i> .
Type	Configuration parameter.
Operator Modifiable	No

SECSUBSYSTEM

The subsystem as defined by TIBCO Object Service Broker for Data Object Broker access.

Environment	z/OS
Valid Values	1- to 8-character security subsystem name.
Default	S6B
Related Topics	Refer to SECCLASS on page 247 , SECREQUESTOR on page 247 , and <i>TIBCO Object Service Broker Managing Security</i> .
Type	Configuration parameter.
Operator Modifiable	No

SECUREADMIN

Specifies whether the System Authorization Facility (SAF) calls are made to the site’s security system. These calls are made for authorization of access to sensitive operational utilities requested from other than the z/OS operator console (for example, S6BTLADM, S6BTLCMD and S6BSPJEX).

Environment	z/OS.
Valid Values	Y and N

Default	N
Effects	<p>The SAF interface is used to secure operator functions. While there is no effect on the operator MODIFY command, the functions supported by the S6BTLADM, S6BTLBRM, S6BTLCMD, and S6BSPJEX utilities are affected.</p> <p>The SAF interface determines whether the user falls into one of four user types (general, privileged, DBA, or operator) based on user-written access rules in an external security package.</p>
Related Topics	Refer to <i>TIBCO Object Service Broker Managing Security</i> for more information about using external security and to <i>TIBCO Object Service Broker for z/OS Utilities</i> for more information about the utilities.
Operator Modifiable	Yes.

SHAREDALIGN

The virtual address boundaries where shared memory segments should be aligned.

Environment	Open Systems.
Valid Values	A multiple of 64 KB. Values are rounded up to the nearest 64 KB boundary.
Default	0x00100000
Recommendation	Should not be changed from the default.
Effects	The parameter can be used to position TIBCO Object Service Broker shared memory within available virtual space.
Related Parameters	<ul style="list-style-type: none"> • SHAREDMEMADDR on page 250 • Solaris: SHAREDMEMPERM on page 251
Operator Modifiable	No.

SHAREDMEMADDR

The virtual memory address where shared memory should begin.

Environment	Open Systems.
Valid Values	A multiple of 64 KB. Values are rounded up to the nearest 64 KB boundary.
Default	Windows: 0x20000000 Solaris: 0x10000000
Recommendation	<p>When two or more peer Data Object Brokers coexist on the same system, the SHAREDMEMADDR must be different for each Data Object Broker:</p> <ul style="list-style-type: none">• If there are two nodes, adjust the SHAREDMEMADDR value of one of the nodes to a multiple of the value of its SHAREDALIGN parameter.• If there are more than two nodes, each node must have a different value for SHAREDMEMADDR, and the values must align with the value of SHAREDALIGN. <p>As a rule of thumb, you can approximate the value for the next SHAREDMEMADDR by converting the value $2500000 + 5000 * \text{RESIDENTPAGES}$ to hexadecimal and rounding up to the next multiple of SHAREDALIGN.</p> <p>A typical value for the next SHAREDMEMADDR that allows for the maximum size of RESIDENTPAGES is 0x5000000 plus the value of the SHAREDMEMADDR for the previous node.</p>
Related Parameters	<ul style="list-style-type: none">• SHAREDALIGN on page 249• Solaris: SHAREDMEMPERM on page 251
Operator Modifiable	No.

SHAREDMEMPERM

The permission settings for Data Object Broker shared memory.

Environment	Solaris.
Valid Values	0 to 0777
Default	0666
Related Parameters	<ul style="list-style-type: none"> • SHAREDALIGN on page 249 • SHAREDMEMADDR on page 250
Operator Modifiable	No.

SIXDATAPAGLIM

The maximum number of data pages a table can have for a secondary index to be built on it online.

Environment	z/OS.
Valid Values	0 to 65535
Default	3333
Operator Modifiable	Yes.

SMFRECORD

The numerical identifier that this Data Object Broker uses when generating SMF records.

This number is used to associate the SMF records with this Data Object Broker.

A value of zero (0) disables SMF recording.

Environment	z/OS.
Valid Values	128 to 255, and 0
Default	0

Recommendation	If SMF recording is enabled, consider using the same identifier as the Execution Environments running off this Data Object Broker. This gives you a uniform identifier for the TIBCO Object Service Broker system that is based on this Data Object Broker.
Effects	<p>SMF recording entails minimal overhead.</p> <p>If SMFRECORD is set to 0 when the Data Object Broker starts up, it can be set by operator command to a value in the 128 to 255 range. If it is set in the 128 to 255 range at Data Object Broker startup, the operator cannot set it to zero (0). This means SMF recording can be switched on only by an operator and cannot be switched off while the Data Object Broker is running.</p>
Related Parameters	<ul style="list-style-type: none">• SMF13INTERVAL on page 252• SMF22INTERVAL on page 253• SMF23INTERVAL on page 254• SMF24INTERVAL on page 254• SMF25INTERVAL on page 255• SMF26INTERVAL on page 256• SMF47INTERVAL on page 258
Related Topics	<i>TIBCO Object Service Broker for z/OS Monitoring Performance</i> for more information about generating SMF records.
Operator Modifiable	Operator modifiable, but can be modified only once.

SMF13INTERVAL

The interval in minutes for generating TIBCO Object Service Broker SMF subtype-13 records for Pagestore response time statistics. Records are produced only for segments that had I/O activity during the interval.

Each record contains an entry for every page data set contained in the segment. Segments with a large number of page data sets can have multiple records generated to describe all page data set activity.

A setting of zero (0) disables recording of this SMF record subtype.

Environment	z/OS.
Valid Values	1 to 30, and 0
Default	15
Recommendation	Use the default value. During normal system operation a value of 15 should be adequate. When performing system tuning, a smaller value provides greater detail and enables the site to uncover any problem areas more easily.
Effects	The smaller the interval value the greater the number of SMF records created. There is a slight overhead in the preparation and recording of each record.
Related Parameters	SMFRECORD on page 251.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Monitoring Performance</i> for more information about this SMF record type.
Operator Modifiable	Yes.

SMF22INTERVAL

The interval in minutes for generating TIBCO Object Service Broker SMF subtype-22 records for lock manager statistics.

Environment	z/OS.
Valid Values	5 to 1440, and 0
Default	30
Recommendation	Use the default value. During normal system operation a value of 30 should be adequate. When performing system tuning a smaller value provides greater detail and enables the site to uncover any problem areas more easily.

Effects	The smaller the interval value the greater the number of SMF records created. There is a slight overhead in the preparation and recording of each record.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Monitoring Performance</i> for more information about this SMF record type.
Operator Modifiable	Yes.

SMF23INTERVAL

The interval in minutes for generating TIBCO Object Service Broker SMF subtype-23 records for query TCB statistics.

A setting of zero (0) disables recording of this SMF record subtype.

Environment	z/OS.
Valid Values	5 to 1440, and 0
Default	30
Recommendation	Use the default value. During normal system operation a value of 30 should be adequate. When performing system tuning a smaller value provides greater detail and enables the site to uncover any problem areas more easily.
Effects	The smaller the interval value the greater the number of SMF records created. There is a slight overhead in the preparation and recording of each record.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Monitoring Performance</i> for more information about this SMF record type.
Operator Modifiable	Yes.

SMF24INTERVAL

The interval in minutes for generating TIBCO Object Service Broker SMF subtype-24 records for query and commit response time statistics.

A setting of zero (0) disables recording of this SMF record subtype.

Environment	z/OS.
Valid Values	5 to 1440, and 0
Default	30
Recommendation	<p>Use the default value. During normal system operation a value of 30 should be adequate. When performing system tuning a smaller value provides greater detail and enables the site to uncover any problem areas more easily.</p> <p>WARNING SMF24INTERVAL is mutually exclusive with SMF27INTERVAL. Specifying both parameters results in the following Data Object Broker initialization failure:</p> <p>S6BKS013W- SMF 24 OR SMF 27 MAY BE REQUESTED BUT NOT BOTH</p>
Effects	The smaller the interval value the greater the number of SMF records created. There is a slight overhead in the preparation and recording of each record.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Monitoring Performance</i> for more information about this SMF record type.
Operator Modifiable	Yes.

SMF25INTERVAL

The interval in minutes for generating TIBCO Object Service Broker SMF subtype-25 records. These records, used for message length histograms, contain the number of requests received and the message length associated with the requests.

A setting of zero (0) disables recording of this SMF record subtype.

Environment	z/OS.
Valid Values	5 to 1440, and 0
Default	30

Recommendation	Use the default value. During normal system operation a value of 30 should be adequate. When performing system tuning a smaller value provides greater detail and enables the site to uncover any problem areas more easily.
Effects	The smaller the interval value the greater the number of SMF records created. There is a slight overhead in the preparation and recording of each record.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Monitoring Performance</i> for more information about this SMF record type.
Operator Modifiable	Yes.

SMF26INTERVAL

The interval in minutes for generating TIBCO Object Service Broker SMF subtype-26 records, which contain general Data Object Broker statistics.

A setting of zero (0) disables recording of this SMF record subtype.

Environment	z/OS.
Valid Values	5 to 1440, and 0
Default	30
Recommendation	Use the default value. During normal system operation a value of 30 should be adequate. When performing system tuning, a smaller value provides greater detail and enables the site to uncover any problem areas more easily.
Effects	The smaller the interval value, the greater the number of SMF records created. There is a slight overhead in the preparation and recording of each record.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Monitoring Performance</i> for more information about this SMF record type.
Operator Modifiable	Yes.

SMF27INTERVAL

The interval in minutes for generating TIBCO Object Service Broker SMF subtype-27 records, which contain query and commit extended response time statistics.

A setting of zero (0) disables recording of this SMF record subtype.

Environment	z/OS.
Valid Values	5 to 1440, and 0
Default	30
Recommendation	<p>If you want more detailed response time reporting than provided by SMF24 records, set SMF24INT to zero and set SMF27INT to 30.</p> <p>WARNING SMF27INTERVAL is mutually exclusive with SMF24INTERVAL. Specifying both parameters results in the following Data Object Broker initialization failure:</p> <p>S6BKS013W- SMF 24 OR SMF 27 MAY BE REQUESTED BUT NOT BOTH</p>
Effects	The smaller the interval value, the greater the number of SMF records created. There is a slight overhead in the preparation and recording of each record.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Monitoring Performance</i> for more information about this SMF record type.
Operator Modifiable	Yes.

SMF28INTERVAL

The interval in minutes for generating TIBCO Object Service Broker SMF subtype-28 records, which contain server usage response time statistics.

A setting of zero (0) disables recording of this SMF record subtype.

Environment	z/OS.
Valid Values	5 to 1440, and 0
Default	0

Recommendation	By default SMF28 records are not produced. To record and report server usage and response times, specify SMF28INT explicitly. Only resources whose Monitor/SMF flag is activated are recorded. Refer to the resource detail screen of the Resource Manager in the S6BTLADM (Administration Menu) utility.
Effects	The smaller the interval value, the greater the number of SMF records created. There is a slight overhead in the preparation and recording of each record.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Monitoring Performance</i> for more information about this SMF record type. Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for information about the Administration menu.
Operator Modifiable	Yes.

SMF47INTERVAL

The interval in minutes for generating TIBCO Object Service Broker SMF subtype-47 records for user Data Object Broker resource consumption statistics for an interval.

A setting of zero (0) disables recording of this SMF record subtype.

Environment	z/OS.
Valid Values	5 to 1440 and 0
Default	30
Recommendation	Use the default value. During normal system operation a value of 30 should be adequate. When performing system tuning a smaller value provides greater detail and enables the site to uncover any problem areas more easily.
Effects	The smaller the interval value the greater the number of SMF records created. There is a slight overhead in the preparation and recording of each record.

Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Monitoring Performance</i> for more information about this SMF record type.
Operator Modifiable	Yes.

SNAPCLASS

The JES output class for SYSOUT snap dumps generated by the Data Object Broker.

Environment	z/OS.
Valid Values	A to Z and 0 to 9
Default	A
Recommendation	Specify a value that keeps a generated snap dump on JES spool long enough for it to be reviewed, if necessary.
Effects	Data Object Broker snap dumps are generally less than 500 lines and are taken only when a diagnostic dump is requested (from option Z on the Administration menu). This parameter takes effect only if SNAPOVERRIDE=N .
Related Parameters	<ul style="list-style-type: none"> • SNAPOVERRIDE on page 261 • SNAPHOLD on page 260 • SNAPREMOTE on page 262 • DBSNAP on page 212
Operator Modifiable	Yes.

SNAPDSPREFIX

The high-level qualifiers for Data Object Broker snap dumps taken to a data set on DASD.

Environment	z/OS.
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Valid Values	Data set qualifiers valid in z/OS. You can specify multiple levels and the total length including periods cannot exceed 17 characters. The first qualifier must be a valid catalog alias at your site.
Default	Set by \$HLQNONV\$ in the OSEMOD ISPF edit CLIST used during Data Object Broker installation.
Recommendation	Specify the same data set name prefix as the Data Object Broker data sets.
Effects	SNAPDSPREFIX is in effect only if SNAPOVERRIDE=Y. See SNAPOVERRIDE on page 261 for DASD space considerations.
Related Parameters	<ul style="list-style-type: none">• SNAPOVERRIDE on page 261• SNAPVOLSER on page 264• SNAPUNIT on page 263
Operator Modifiable	Yes.

SNAPHOLD

Specifies whether a SYSOUT Data Object Broker snap dump should be held on the JES spool.

Environment	z/OS.
Valid Values	Y and N
Default	N
Recommendation	Determine how your site wants to handle Data Object Broker snap dumps. If snap dumps are held, they are available on JES spool for viewing. If they are not to be held, specify an output class and destination. Also consider if they should print automatically.
Effects	This determines the JES output queue (HELD or READY) where the snap dump data sets appear. Snap dump data sets must be manually deleted when they are no longer required.

Related Parameters	<ul style="list-style-type: none"> • SNAPCLASS on page 259 • SNAPOVERRIDE on page 261 • SNAPREMOTE on page 262
Operator Modifiable	Yes.

SNAPOVERRIDE

Specifies whether the Data Object Broker snap dumps are to be written to individual data sets on DASD; if not, they go to JES SYSOUT.

Environment	z/OS.
Valid Values	Y and N
Default	N
Recommendation	<p>Use whatever is appropriate for your site. You must ensure that there is sufficient DASD or JES spool space to hold all snap dumps taken during this Data Object Broker's operation.</p> <p>TIBCO Object Service Broker does not delete snap dump data sets. You must determine their disposition and manually delete them if you no longer need them.</p>
Effects	<p>Snap dumps are typically less than 500 lines. If the snap dumps are written to DASD, they go to the volume named by SNAPVOLSER, or in the DASD pool named by SNAPUNIT, with the name:</p> <p>SNAPDSPREFIX.#YYYYDDD.#HHMMSS.#TH.</p>
Related Parameters	<ul style="list-style-type: none"> • SNAPCLASS on page 259 • SNAPDSPREFIX on page 259 • SNAPHOLD on page 260 • SNAPREMOTE on page 262 • SNAPUNIT on page 263 • SNAPVOLSER on page 264
Operator Modifiable	Yes.

SNAPQUERY

Specifies whether the Data Object Broker generates a transaction dump for failed query requests.

Environment	All.
Valid Values	Y and N
Default	N
Recommendation	Use the default.
Effects	The Data Object Broker takes a transaction dump only when it fails a query request. This is an exceptional condition and should not occur frequently. The vast majority of Data Object Broker requests are queries.
Related Parameters	z/OS: SNAPSUPPRESS on page 263
Operator Modifiable	Yes.

SNAPREMOTE

The JES output destination for JES SYSOUT snap dumps generated by the Data Object Broker.

Refer to \$JESPRT\$ in OSEMOD ISPF edit CLIST for the default.

Environment	z/OS.
Valid Values	A valid symbolic printer name of 1 to 8 characters in length.
Default	LOCAL
Recommendation	Use the default or specify a JES destination that is valid for your site.
Effects	SYSOUT snap dumps generated by the Data Object Broker are sent to the destination specified. SNAPREMOTE is in effect only if SNAPOVERRIDE=N .

Related Parameters	<ul style="list-style-type: none"> • SNAPCLASS on page 259 • SNAPHOLD on page 260 • SNAPOVERRIDE on page 261
Operator Modifiable	Yes.

SNAPSUPPRESS

Specifies whether Data Object Broker transaction dumps are to be suppressed.

Environment	z/OS.
Valid Values	Y and N
Default	N
Recommendation	Use the default. A transaction dump often provides the necessary information to determine why a Data Object Broker request failed. It should be kept until technical support staff no longer need it.
Effects	A transaction dump is provided using the SVC dump facility, therefore it has the overhead and constraints of the SVC dump.
Related Parameters	SNAPOVERRIDE on page 261.
Operator Modifiable	Yes.

SNAPUNIT

The generic name of a DASD pool from which to allocate DASD snap dump data sets.

Environment	z/OS.
Valid Values	n/a
Default	Refer to \$INSTUNT\$ OSEMOD ISPF edit CLIST used during Data Object Broker installation for the default.

Recommendation	Specify a value that is valid for your site and for the DASD volume where you want the Data Object Broker to allocate snap dump data sets.
Effects	SNAPUNIT is in effect only when SNAPOVERRIDE=Y . Refer to SNAPOVERRIDE on page 261 for DASD space considerations.
Related Parameters	<ul style="list-style-type: none">• SNAPOVERRIDE on page 261• SNAPDSPREFIX on page 259• SNAPVOLSER on page 264
Operator Modifiable	Yes.

SNAPVOLSER

The volume serial of the DASD where the Data Object Broker can allocate snap dump data sets.

Environment	z/OS.
Valid Values	n/a
Default	Refer to \$WORKVOL\$ OSEMOD ISPF edit CLIST used during Data Object Broker installation.
Recommendation	Specify a volume serial with adequate space for the Data Object Broker to allocate snap dump data sets. Snap dumps are typically less than 500 lines. For current device types (3390, for example), several tracks are required.
Effects	<p>The Data Object Broker security ID must have access to the specified volume to create and catalog data sets. If SNAPUNIT is specified, specify a volume serial that belongs to the DASD pool. SNAPVOLSER is in effect only if SNAPOVERRIDE=Y.</p> <p>Refer to SNAPOVERRIDE on page 261 for DASD space considerations.</p>

Related Parameters	<ul style="list-style-type: none"> • SNAPDSPREFIX on page 259 • SNAPOVERRIDE on page 261 • SNAPUNIT on page 263
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Operator Modifiable	Yes.
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SPINDSNAME

The data set name from which SPIN jobs are submitted. It must be an existing partitioned data set containing member names set by the [SPINMEMBER](#) parameter.

Environment	z/OS.
Valid Values	n/a
Default	Set by \$HLQNONV\$. \$INSTVER\$.JCL Refer to the OSEMOD ISPF edit CLIST used during Data Object Broker installation.
Effects	Applicable only if SPINOPTION=JOB. The Data Object Broker initialization fails if this data set does not exist or if member names set by SPINMEMBER do not exist in this data set.
Related Parameters	<ul style="list-style-type: none"> • SPINMEMBER on page 266 • SPINOPTION on page 267
Operator Modifiable	Yes.

SPININTERVAL

The maximum time interval between journal spins. If a spin is not scheduled during an interval due to a full journal or an operator request, the Data Object Broker schedules a spin at the end of this interval. Set this parameter's value to the length of that interval, in minutes.

Environment	z/OS.
Valid Values	60 to 1440; and 0 to suppress this feature

Default	0
Recommendation	Use this feature only if you need the extra journal spins during periods of low database activity. Keep in mind that you can schedule journal spins on demand via a TIBCO Object Service Broker operator command.
Effects	This feature causes extra journal spins, that is, in addition to those normally scheduled when journal data sets fill up.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information about operator commands.
Operator Modifiable	Yes.

SPINMEMBER

The prefix for the member names that contain JCL for journal spins.

- If **SPINOPTION**=JOB, this is used as a member name prefix for spin jobs. You need one member corresponding to each journal. A full member name consists of this prefix followed by a number representing the journal number.

For example, if **SPINMEMBER**=SPIN0, the Data Object Broker uses member SPIN01 to offload journal 1, SPIN037 to off load journal 37, and so on.
- If **SPINOPTION**=STC, this value specifies the name of the started task procedure. Only one procedure is used.

Environment	z/OS.
Valid Values	<ul style="list-style-type: none">• SPINOPTION=JOB: 1 to 7 characters; the prefix plus the journal number must be no more than 8 characters.• SPINOPTION=STC: 8 characters
Default	SPIN0

Effects	<p>If SPINOPTION=STC, member names set by SPINMEMBER must be in the system PROCLIB; otherwise, the START command issued by the Data Object Broker fails.</p> <p>SPINMEMBER is <i>not</i> operator modifiable. It is set at start up time only.</p>
Related Parameters	<ul style="list-style-type: none"> • SPINDSNAME on page 265 • SPINOPTION on page 267
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information about operator commands.
Operator Modifiable	No.

SPINOPTION

Specifies whether the journal spin JCL is run as a started task or batch job.

Environment	z/OS.
Valid Values	JOB and STC
Default	JOB
Recommendation	Use the method that is consistent with your site's operations practice.

Effects	<ul style="list-style-type: none">• If SPINOPTION=JOB the Data Object Broker, when it starts up, reads and stores in memory the spin JCL from the data set and members specified in the SPINDSNAME and SPINMEMBER parameters. It submits them as batch jobs for dumping the journal's data and resetting it.• If SPINOPTION=STC the Data Object Broker issues a START command using the catalogued procedure name defined by SPINMEMBER. The system searches for the JCL procedure in the system PROCLIB concatenation that is in effect for the Data Object Broker. Your spin JCL modifications take effect the next time the Data Object Broker issues a START command.
Related Parameters	<ul style="list-style-type: none">• SPINDSNAME on page 265• SPINMEMBER on page 266
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information about operator commands.
Operator Modifiable	No.

SPINSHELL

The shell to use when executing a spin script.

Environment	Solaris.
Valid Values	A valid path of up to 255 characters in length.
Default	/bin/ksh
Recommendation	Use the default when using the sample spin scripts.
Effects	<p>The specified shell is used for executing a spin script during journal processing.</p> <p>The Data Object Broker will abend on startup if a valid path to a shell that is both readable and executable is not specified.</p>

Related Topics	Refer to <i>TIBCO Object Service Broker for Open Systems Managing Backup and Recovery</i> for more information on journal processing.
Operator Modifiable	Yes.

SRBMODE

Controls the dispatching of Data Object Broker Query requests on z/OS.

Environment	z/OS.
Valid Values	<ul style="list-style-type: none"> • N — Use Task mode dispatching. • Y — Use SRB mode dispatching. • Z — Use SRB mode dispatching and enable the dispatching of SRBs on any available zIPP processor.
Default	N.
Recommendation	If one or more zIIP processors are available, set the value to Z; otherwise, set it to N.
Effects	<ul style="list-style-type: none"> • N — Object Service Broker dispatches query requests to one of the query tasks that traditionally run in TCB mode. This task might involve queuing the request for a query task to become available. • Y or Z — Object Service Broker dispatches query requests in SRB mode. Since only one SRB applies to each valid thread, no queuing occurs for a task to become available in this mode. Each valid thread consumes approximately 8 Kbytes of Extended System Queue Area (ESQA). The number of threads is the value of MAXTHREADS plus four. To take advantage of SRB scheduling, you might need to revise the z/OS system parameters. • Z — Object Service Broker takes advantage of any available zIIP processor.
Operator Modifiable	No.

SSTRACE

Specifies whether GTF records are to be created each time a TIBCO Object Service Broker system service event occurs. Use this parameter only in consultation with your TIBCO Support representative, as it can affect system performance.

Environment	z/OS.
Valid Values	Y and N
Default	N
Recommendation	Use Y only in consultation with the TIBCO Support to collect trace information for diagnosing problems.
Effects	Use of GTF trace can have some effect on overall system performance. GTF trace must be active to record the data produced.
Related Parameters	GTFID on page 219.
Operator Modifiable	Yes.

STDERRTRACE

Specifies whether to include messages to stderr in the Data Object Broker log file.

Environment	Open Systems.
Valid Values	Y and N
Default	N
Recommendation	For best performance, use the default.
Related Parameters	STDOUTTRACE on page 271.
Operator Modifiable	Yes.

STDOUTTRACE

Specifies whether to include messages to stdout in the Data Object Broker log file.

Environment	Open Systems.
Valid Values	Y and N
Default	N
Recommendation	For best performance, use the default.
Related Parameters	STDERRTRACE on page 270.
Operator Modifiable	Yes.

SVCTRACE

Specifies whether to write a message to the Data Object Broker for each supervisor call to the Data Object Broker from TDS.

Environment	Open Systems.
Valid Values	Y and N
Default	N
Recommendation	For best performance, use the default.
Operator modifiable	Yes.

SWAPPABLE

Specifies whether the Data Object Broker is marked as swappable after initialization.

Environment	z/OS.
Valid Values	Y and N
Default	N
Recommendation	For best performance, use the default.

Operator Modifiable	No.
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SYNCTRACE

Specifies whether to write a message to the Data Object Broker for each commit.

Environment	Open Systems.
Valid Values	Y and N
Default	N
Recommendation	For best performance, use the default.
Operator modifiable	Yes.

SYSADMIN

The TIBCO Object Service Broker administrator user ID for this Data Object Broker.

Environment	Open Systems.
Valid Values	<p>An operating system user ID. Only one system user ID can be the TIBCO Object Service Broker system administrator.</p> <p>To specify an entry with non-alphanumeric characters, surround the entry with double quotes ("). The backslash (\) may be used to escape a double quote or itself.</p> <p>NOTE Case sensitive.</p>
Default	huron
Related Parameters	<ul style="list-style-type: none">• OPERATOR on page 236• PRIVILEGED on page 239
Operator Modifiable	No.

TIMEOUTABEND

The time allowed for the Data Object Broker to abend.

If the abend is not completed in the specified time, all Data Object Broker processes are immediately killed.

Environment	Open Systems.
Valid Values	30 to 3600 seconds
Default	30
Related Parameters	<ul style="list-style-type: none"> • TIMEOUTSTART on page 273 • TIMEOUTSTOP on page 273
Operator Modifiable	No.

TIMEOUTSTART

The time allowed for the Data Object Broker to complete startup processing.

If the Data Object Broker is not successful in the specified time, the Data Object Broker abends and all processes are killed.

Environment	Open Systems.
Valid Values	30 to 3600 seconds
Default	120
Related Parameters	<ul style="list-style-type: none"> • TIMEOUTABEND on page 273 • TIMEOUTSTOP on page 273
Operator Modifiable	No.

TIMEOUTSTOP

The time allowed for the Data Object Broker to perform a graceful shutdown.

If the Data Object Broker is not successful in the specified time, the Data Object Broker abends and all processes are killed.

Environment	Open Systems.
Valid Values	30 to 3600 seconds
Default	120
Related Parameters	<ul style="list-style-type: none">• TIMEOUTABEND on page 273• TIMEOUTSTART on page 273
Operator Modifiable	No.

TIMESTAMP

The interval in minutes for producing a WTO message reporting current date and time.

Environment	z/OS.
Valid Values	10 to 1440; and 0 to disable this feature
Default	1440
Recommendation	Use the default.
Effects	The value 1440 produces a timestamp daily at midnight.
Operator Modifiable	Yes.

TRXREADLIMIT

The maximum number of pages that can be read in by a single Data Object Broker request. Transaction message requests that exceed the specified number of pages are aborted.

Environment	z/OS.
Valid Values	0 to 9999; and 0 to disable this feature
Default	0

Recommendation	This parameter can be used to identify inappropriate requests to the Data Object Broker.
Effects	<p>Requests that cause more physical reads than the specified value are aborted. This prevents transactions from flooding the resident page pool with pages with a low reference frequency, allowing pages referenced more frequently to be read.</p> <p>Some operations process many buffers, without requiring I/O services (for example, when an entire table is already in the resident page pool). This can cause the Data Object Broker to be slow in processing new requests since the required data is always available. These transactions are not aborted, but they are periodically interrupted so that other service requests can be processed.</p>
Related Parameters	<ul style="list-style-type: none"> • ERRNOTRACE on page 217 • RESIDENTPAGES on page 242
Operator Modifiable	Yes.

USEREXIT

Specifies whether user exit processing is required for this Data Object Broker. If USEREXIT is set to N and a USRX0000 routine is detected at startup, an error message appears and the Data Object Broker terminates. If USEREXIT is set to Y and a USRX0000 routine is not detected at startup, an error message appears and the Data Object Broker terminates.

Environment	z/OS
Valid Values	Y, N
Default	N
Operator Modifiable	No

UNICODEDIR

The path to the directory that contains the Unicode configuration files.

Environment	Open Systems.
Abbreviated Name	UNIDIR
Valid Values	A valid directory path of up to 255 characters in length. Must be the same as the UNICODEDIR Execution Environment parameter.
Default	None, TIBCO Object Service Broker uses its default information for Unicode processing.
Effect	The TIBCO Object Service Broker initialization code uses the files in this directory to configure Unicode processing. In the absence of any of the files in the directory, TIBCO Object Service Broker uses the default information for that portion of Unicode processing: translation, casing, or collation.
Related Topics	Refer to <i>TIBCO Object Service Broker for Open Systems Installing and Operating</i> for more information about Unicode configuration.
Operator Modifiable	Yes.

USERSHUTDOWN

Specifies whether a user is allowed to use the S6BTLADM (Administration menu) utility to shut down the Data Object Broker.

Environment:	z/OS.
Valid Values	Y and N
Default	Y

Effects	If USERSHUTDOWN is set to Y (allow shut down), a user can use the S6BTLADM (Administration menu) utility to display the Administration menu, and then use the operator functions to shut down the Data Object Broker.
Related Topics	Refer to <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for more information on monitoring and controlling the TIBCO Object Service Broker environment using the Administration menu.
Operator Modifiable	No.

WORKINGSET

The maximum number of Pagestore pages that can be updated or physically locked (held) in a single Data Object Broker commit.

Environment	All.
Valid Values	32 to 512; and 999. z/OS: Specify 999 to set this limit to the value of the CHPAGELIMIT parameter or 4096, whichever is the smaller value. Open Systems: If 999 is specified, the limit is set to 15% of the checkpoint size or 50% of the redolog size, whichever is larger.
Default	256.
Recommendation	Use 999 to avoid secondary indices becoming invalid.
Effects	Requests attempting to update more pages than the specified value are aborted.
Operator Modifiable	Yes.

WTOCLASS

The output class of a dynamically allocated JES SYSOUT file where the Data Object Broker copies WTO (write to operator) messages.

Use of this parameter enables the duplication of WTO messages. If it is not specified, WTO messages are not duplicated.

Environment	z/OS.
Valid Values	A to Z and 0 to 9
Default	A
Recommendation	If WTO messages are suppressed by WTOSYSLOG, this parameter should be specified to collect all WTO messages for problem diagnosis.
Effects	There is minimal overhead in duplicating WTO messages.
Related Parameters	<ul style="list-style-type: none">• WTOHOLD on page 280• WTOINTERVAL on page 280• WTOREMOTE on page 281
Operator Modifiable	Yes.

Associated Documentation

The *MVS Routing and Descriptor Codes* IBM manual for code descriptions of WTO messages.

WTOCONSOLE

The minimum level of Data Object Broker WTO messages eligible for display on z/OS operator consoles. Message levels in descending order of importance are:

- A—action
- E—error
- W—warning
- I—information
- L—log
- N—messages not displayed

Environment	z/OS.
Valid Values	A, E, W, I, L, N

Default	E
Recommendation	Follow your site standard regarding message handling.
Effects	WTOCONSOLE=N requests that messages not appear on the console during Data Object Broker execution. Messages of lower importance are issued in SYSLOG, except during startup, shut down, or operator command responses.
Related Parameters	WTODELETE on page 279 .
Operator Modifiable	Yes.

WTODELETE

The minimum level of Data Object Broker WTO messages to be suppressed rather than written to SYSLOG, or displayed on the z/OS operator console. The following message levels that can be suppressed:

- I—information
- L—log

The value N specifies that messages not be suppressed.

Environment	z/OS.
Valid Values	I, L, N
Default	N
Recommendation	Follow your site standard regarding message handling.
Effects	Specifying I deletes both I-level and L-level messages, except during startup, shut down, or operator command responses.
Related Parameters	WTOCONSOLE on page 278 .
Operator Modifiable	Yes.

WTOHOLD

Specifies whether the Data Object Broker’s WTO SYSOUT log data set is to be held in the JES output queue.

This parameter is in effect only if [WTOCLASS](#) is specified.

Environment	z/OS.
Valid Values	Y and N
Default	N
Effects	<ul style="list-style-type: none">• If Y is specified, the JES SYSOUT data sets must be deleted manually from the output queue.• If N is specified, these data sets are sent to their destination after the time interval set by WTOINTERVAL.
Related Parameters	<ul style="list-style-type: none">• WTOCLASS on page 277• WTOINTERVAL on page 280• WTOREMOTE on page 281
Operator Modifiable	Yes.

WTOINTERVAL

The time interval after which the WTO output is to be copied to a new data set. This parameter is in effect only if [WTOCLASS](#) is specified. A value of zero (0) disables this feature.

Environment	z/OS.
Valid Values	30 to 1440, and 0
Default	1440
Effects	Specifying 1440 produces a spun JES SYSOUT log data set daily at midnight. After the log is spun, you can print or delete it. The smaller the interval, the more frequently a JES SYSOUT log data set is spun, each containing a smaller number of WTO messages.

Related Parameters	WTOCLASS on page 277 .
Operator Modifiable	Yes, but modification is not recommended.

WTOPID

Specifies whether to include the process ID (PID) in WTO messages.

Environment	Open Systems
Valid Values	Y and N
Default	N
Related Parameters	<ul style="list-style-type: none"> • WTOSOURCE on page 282 • WTOTAG on page 283 • WTOTIME on page 283
Operator Modifiable	Yes.

WTOREMOTE

The output destination for this Data Object Broker's JES WTO SYSOUT log data set.

This parameter is in effect only if [WTOCLASS](#) is specified.

Environment	z/OS.
Valid Values	A valid destination of 1 to 8 characters in length
Default	LOCAL
Effects	When it is spun, the JES SYSOUT log data set is routed to the defined destination.
Related Parameters	<ul style="list-style-type: none"> • WTOCLASS on page 277 • WTOHOLD on page 280
Operator Modifiable	Yes.

WTOSOURCE

Specifies whether to include source code origin in the ERRNOTRACE messages.

Environment	Open Systems.
Valid Values	Y and N
Default	Y
Related Parameters	<ul style="list-style-type: none">• WTOPID on page 281• WTOTAG on page 283• WTOTIME on page 283
Operator Modifiable	Yes.

WTOSUFFIX

The suffix that identifies messages issued from a specific Data Object Broker and that is appended to all Data Object Broker messages, for example, S6BDB090I-XXXX. This is also a Message Switch parameter.

Environment	z/OS.
Valid Values	1 to 4 characters
Default	None
Recommendation	When several Data Object Brokers are active at the same time, this feature is useful for quickly determining which Data Object Broker issued a message.
Operator Modifiable	If a value is not set, a value can be set by the operator.

WTOSYSLOG

The minimum level of messages to be written to the z/OS JES WTO SYSOUT file. All messages are written to the Data Object Broker JES SYSOUT file.

Message levels in descending order of importance are:

- A—action
- E—error

- W—warning
- I—information
- L—log only

A parameter value of N specifies that all messages are to be written to the z/OS SYSLOG.

Environment	z/OS.
Valid Values	A, E, W, I, L, N
Default	L
Recommendation	Follow your site standards regarding message handling.
Related Parameters	<ul style="list-style-type: none"> • WTODELETE on page 279 • WTOCONSOLE on page 278
Operator Modifiable	Yes.

WTOTAG

Specifies whether to include the user ID/transaction tag in WTO messages.

Environment	Open Systems.
Valid Values	Y and N
Default	Y
Related Parameters	<ul style="list-style-type: none"> • WTOPID on page 281 • WTOSOURCE on page 282 • WTOTIME on page 283
Operator Modifiable	Yes.

WTOTIME

Specifies whether to include the timestamp in WTO messages.

Environment	Open Systems.
-------------	---------------

Valid Values	Y and N
Default	Y
Related Parameters	<ul style="list-style-type: none">• WTOPID on page 281• WTOSOURCE on page 282• WTOTAG on page 283
Operator Modifiable	Yes.

XCFGROUP

The XCF group that the Data Object Broker is to join. This is a Message Switch parameter.

Environment	z/OS.
Valid Values	Any name that is unique to the set DOBs and message switches that comprise an OSB image.
Default	None.
Effects	This parameter enables support for multiple Data Object Brokers.
Related Topics	See <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for details on how to use multiple Data Object Brokers.
Related Parameters	<ul style="list-style-type: none">• XCFMEMBER on page 285.• XCFMODE on page 285.• XCFSTRUCTURE on page 286.
Operator Modifiable	No.

XCFMEMBER

The member name of the Data Object Broker instance in the XCF group. This is a Message Switch parameter.

Environment	z/OS.
Valid Values	Any valid XCF member name of up to eight characters.
Default	The Job name of this Data Object Broker instance.
Related Topics	See <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for details on how to use multiple Data Object Brokers.
Related Parameters	<ul style="list-style-type: none"> • XCFGROUP on page 284. • XCFMODE on page 285. • XCFSTRUCTURE on page 286.
Operator Modifiable	No.

XCFMODE

Determines if a Data Object Broker is a primary or secondary Data Object Broker at startup. This is a Message Switch parameter.

Environment	z/OS.
Valid Values	AUTOMATIC, SECONDARY
Default	AUTOMATIC.
Effects	<ul style="list-style-type: none"> • AUTOMATIC — This DOB becomes the primary Data Object Broker if no primary Data Object Broker already exists in the XCF Group. • SECONDARY — This Data Object Broker initializes as a secondary Data Object Broker.
Related Topics	See <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for details on how to use multiple Data Object Brokers.

Related Parameters	<ul style="list-style-type: none">• XCFGROUP on page 284.• XCFMEMBER on page 285.• XCFSTRUCTURE on page 286.
Operator Modifiable	No.

XCFSTRUCTURE

The name of Coupling Facility structure to be used by this Data Object Broker group. This is a Message Switch parameter.

Environment	z/OS.
Valid Values	Any valid Coupling Facility structure name.
Default	None.
Related Topics	See <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for details on how to use multiple Data Object Brokers.
Related Parameters	<ul style="list-style-type: none">• XCFGROUP on page 284.• XCFMEMBER on page 285.• XCFMODE on page 285.
Operator Modifiable	No.

XCFWAITTIME

The number of seconds an MSW address space waits for the primary Data Object Broker to become available. This is a Message Switch parameter.

Environment	z/OS.
Valid Values	0 – 43200.
Default	None.
Effects	0 means to wait indefinitely.

Related Topics	See <i>TIBCO Object Service Broker for z/OS Installing and Operating</i> for details on how to use multiple Data Object Brokers.
Operator Modifiable	Yes.

XTABLESIZE

The size, in kilobytes, of the buffer pool for XTABLEs, the internal representations of TIBCO Object Service Broker report and screen definitions.

Environment	z/OS.
Valid Values	4 to 31
Default	16
Recommendation	Use the default initially, and adjust if necessary. The default value supports approximately 150 fields. The ESTIMATETBLDFN tool provides an approximation of XTABLE size required for screen and report definitions.
Effects	If the XTABLESIZE is too small to accommodate the definition, the transaction requesting the definition fails. The Data Object Broker allocates the XTABLE pool in blocks, the size of which is determined by this parameter. This XTABLE pool is above the 16 MB line. The number of buffers is MAXTHREADS +4.
Operator Modifiable	No.
Related Topics	Refer to <i>TIBCO Object Service Broker Shareable Tools</i> for information about the ESTIMATETBLDFN tool.

Appendix A **External Database Server Parameters**

This appendix lists TIBCO Object Service Broker's external database parameters used by the TIBCO Object Service Broker Gateways and the Datacom and Adabas servers. Refer to the appropriate Service Gateway manual for details on how to set those parameters.

For details on the Datacom and Adabas servers, see the *Service Gateway for Files SDK User's Guide*.

Topics

- [Listing of the Parameters, page 290](#)

Listing of the Parameters

Valid Parameters by Server Type

The following table lists the valid parameters for the external gateway or server. Y denotes that the parameter is used by a given gateway or server.

Gateway or Server Type	Adabas	Datcom	IDMS/DB	DB2	IMS/DB	SQL and Oracle
Parameter Name						
ACCOUNT						
BROWSEPLAN				Y		
BUFFERLEN						Y
CICSHURON					Y	
CLASS					Y	
DBDCLASS					Y	
DEBUG			Y	Y	Y	
DEBUGLEVEL	Y					Y
DECIMALPOINT				Y		
DECOUPL					Y	
DLIQUERYLIMIT					Y	
DLIUPDATELIMIT					Y	
DRASUFFIX					Y	
DUMP	Y					Y
DUMPLIMIT	Y					Y
EXTERNALGROUP			Y	Y	Y	Y
EXTERNALROUTINE	Y					

Gateway or Server Type	Adabas	Datcom	IDMS/DB	DB2	IMS/DB	SQL and Oracle
Parameter Name						
EXTERNALSECURITY			Y			
EXTERNALUSERID			Y	Y	Y	Y
FSLEVEL	Y	Y	Y	Y	Y	Y
FSTABLENAME	Y		Y	Y	Y	Y
IDPREFIX	Y	Y	Y	Y	Y	Y
IFAMCHNL						
INVARSLN						Y
KEEPLOG	Y					Y
LIBRARY						Y
LOGMEDIA	Y					Y
MDL	Y	Y	Y	Y	Y	
MIXEDSSCDETECTION			Y			
MODE					Y	
NONSWAPPABLE				Y		
NOSTAE				Y		
OTHERPASSWORD						Y
OTHERUSERID						Y
OUTVARSLN						Y
PLAN				Y	Y	
POOLSIZE		Y	Y	Y	Y	
PROGRAMLIBRARY	Y					Y
PSBCLASS					Y	

Gateway or Server Type						
Parameter Name	Adabas	Datcom	IDS/DB	DB2	IMS/DB	SQL and Oracle
PSBNAME					Y	
RECOVERYID				Y	Y	Y
RECOVERYPASSWORD						Y
REQSTOR					Y	
RESOURCE					Y	
RESPONSEMODE			Y	Y	Y	Y
RUNAWAY	Y					
SCOPE				Y	Y	Y
SECLEVEL			Y	Y	Y	Y
SEGCLASS					Y	
SERVERID	Y	Y	Y	Y	Y	Y
SERVERPARAM					Y	
SERVERS	Y	Y	Y	Y	Y	
SERVERSTATISTICS	Y					Y
SERVERTYPE	Y	Y			Y	Y
SESSIONPASSWORD						Y
SESSIONUSERID						Y
SSID				Y		
STATEMENTLEN						Y
STATICCURSORSELECT				Y		
SUBSYS					Y	
TDS	Y	Y	Y	Y	Y	

Gateway or Server Type						
Parameter Name	Adabas	Datacom	IDMS/DB	DB2	IMS/DB	SQL and Oracle
THREADUSAGE					Y	
TRACE	Y	N		Y	Y	Y
TRXDB		Y	Y	Y	Y	Y
UPDATEPLAN				Y		
USEDDB2LIKE				Y		
USERTYPE				Y	Y	
VERIFYEXTACCESS					Y	

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