



TIBCO® Managed File Transfer Platform Server for UNIX

Release Notes

*Version 8.1.0
August 2021*



Contents

Contents	2
New Features	3
Changes in Platform Support	6
Changes in Functionality	7
Deprecated and Removed Features	8
Migration and Compatibility	9
Closed Issues	10
Known Issues	13
TIBCO Documentation and Support Services	14
Legal and Third-Party Notices	16

New Features

The following features have been added in this release of TIBCO® Managed File Transfer Platform Server for UNIX.

High Availability

Two or more TIBCO MFT Platform Server for UNIX servers can be installed behind a load balancer, and they appear to the Platform Server client as a single Platform Server. All completed transfers are saved in a single audit log file and checkpoint restart is supported. PSU machines in the cluster should be the same machine platform.

File Creation Timestamps

File creation time stamps between servers can be maintained for any file that is created using the `MaintainFileTimeStamp` parameter.

Preprocessing Actions

Preprocessing actions can be performed on both initiator and responder transfers. Preprocessing actions support the "override" action that allows users to override some CLI, based on the Action Competition Status.

Command Center Active Transfer Inquiry

Active transfers can be monitored by Command Center. Command Center can cancel active transfers when the node `CommandSupport` parameter is specified as `Alter`.

Originating Host Information

The originating host information can be viewed in the log records because a `LocalHostName` parameter has been added to the `Log.txt` file.

Remote Host Name in Email Notification

The remote host name is included, and it can be viewed in an email notification. The `RemoteHostName` parameter shows the remote IP address, IP name, or node name.

Yesterday's Date

Yesterday's date can be defined using two new file name tokens `$(YDate)` and `$(YDateUS)`.

Email Subject

The email subject can be configured to indicate the success or failure of file transfers.

Active Display

Active display can be refreshed using the new `-r` option or Refresh option, and this does not require the `cfinq` command to be executed every time to get the current records.

Transfer Tracing

A transfer can be traced on both the initiator and the responder using the new Trace CLI parameter.

Group Membership

The `TraceGroupMember` parameter allows us to trace all calls which are made to determine group membership. The calls can be traced in the admin or the message file.

CyberMgr and CyberMgrBackup Process

The `CyberMgr` process is a new RPC server daemon, which is a single point of control of the product functionality, security, and integrity. The `CyberMgrBackup` process can be activated to make sure that TIBCO MFT Platform Server for UNIX continues to function properly even if `CyberMgr` is down.

`CyberMgr.access` file is created during installation in the `$CFROOT/config` (or `$shadir/config`) directory. It is used to communicate between `CyberMgr` and RPC clients. This file should be the same on all instances in the HA cluster.

cfdos2unix.exe Utility Program

The new `cfdos2unix.exe` utility program converts CRLF delimiters to LF delimiters. The program can be used in preprocessing and postprocessing.

Silent Installation

For improved silent installation, new parameters have been added to the command-line installation. Now, there is also an alternate way to run the silent installation using the `silent.cfg` file that is provided.

Password Policies

Password rule checking can be done for remote passwords of responder profiles using the password parameters added to the `config.txt` file.

System Messages

System messages can be tracked using two new log files that have been added, `message.txt` and `admin.txt`. Important messages are logged in `message.txt`, and all admin changes are logged in `admin.txt`.

Strict Group Checking

A new `StrictGroupChecking` parameter is added to the `config.txt` file. When this parameter is set to `N` and the `cfbrowse` or `cftransfer` group is not defined, users are granted access to the requested function. When this parameter is set to `Y` and the `cfbrowse` or `cftransfer` group is not defined, the requested function fails.

Authentication

TLS transfers can be authenticated based on the certificate match by `CyberResp`. A new parameter, `/USER="UserName"`, is added in the `SSLAuth.cfg` file. When the `USER` parameter is defined, the user associated with the `SSLAUTH` entry is saved and replaces the user ID and password sent by the client. This allows authentication without requiring a user ID and password. `/USER=root` is not allowed.

install.noroot Installation

For installation using `install.noroot`, you must be a part of the `cfadmin` group. This is because `chgrp` commands are issued to change the group attributes to `cfadmin` and these commands fail if the user is not a member of the `cfadmin` group.

cfinq Utility

The `cfinq` utility can now be used to view active transfers as well as history/log.

cfmutex Utility

When multiple `cfnode`, `cfprofile`, or `cfprofile` requests are issued simultaneously, `cfnode.cfg`, `cfprofile.cfg`, or `cfprofile.cfg` files can get corrupted. Now, the `cfmutex` utility can be used to synchronize the simultaneous access by those applications.

Update Interval

The update interval for active transfers can be set with the `VRefreshInterval` parameter in the `config.txt` file. All active transfers will then send updates to `CyberMgr` at the configured interval.

PCI Approved Encryption Method Used

The responder profile and user profile code use PCI approved encryption method.

Changes in Platform Support

In this release, platform support for TIBCO MFT Platform Server for UNIX has changed as follows:

Platform	Status	As of Release	Notes
HP-UX	Removed	8.1.0	This release removes support for the HP-UX platform.

For a complete list of supported platforms, see the `readme` file.

Changes in Functionality

The following functionality and features have been changed in this release of TIBCO Managed File Transfer (MFT) Platform Server for UNIX .

Increased Default Value for SBUFSIZE and RBUFSIZE

The default value for both SBUFSIZE and RBUFSIZE parameters in the `cfcos.cfg` file is increased to 1024000.

Real Time Support for Configuration Updates for CyberResp Daemon

Any changes made in `config.txt`, except for port numbers, any Listener Adapter IP, and `SecurityPolicy=FIPS140`, are immediately picked up by all active CyberResp daemon processes (no restart or recycling is needed).

If any active port number or Listener Adapter IP is changed in `config.txt`, the respective CyberResp daemon has to be restarted. If `SecurityPolicy` is changed to FIPS140, all CyberResp daemons have to be restarted.

Restriction in Update of Log.txt File

Only the CyberMgr daemon can add or update `Log.txt` records. All users cannot update the `Log.txt` file.

Configurable Semaphore Wait Timeout

The `SemaphoreMaxWaitTime` parameter is now configurable. Waiting time is configurable from 10 secs to 60 secs (1 min). Also sleep between 'getlock' calls is now 0.25 secs versus 1 sec in previous versions.

Reduced TCP Timeout

The default TCP timeout value in the `config.txt` file for both the client and the server is reduced to 10 mins from 120 mins.

TLS Transfers

Now for TLS transfers, the `ClientVerification` parameter is set to Y in Server SSL settings in the `config.txt` file.

Now TLS transfers can be authenticated based on the `/USER` entry in the `SSLAAuth.cfg` file, not the transfer's user ID and password.

Deprecated and Removed Features

The following features have been deprecated or removed as of this release of TIBCO MFT Platform Server for UNIX.

When relevant, alternatives to the deprecated features are listed. Any use of a deprecated feature should be discontinued as it might be removed in a future release. You should avoid becoming dependent on deprecated features and become familiar with the suggested alternative features.

Deprecated and Removed Features

Affected Component	Description	Deprecated in Release	Removed in Release
TIBCO Accelerator	<p>TIBCO Accelerator for Linux has been removed. You can use the Platform Server ClassOfService feature and tune the TCP SBUFSIZE and RBUFSIZE parameters to run transfers significantly faster.</p>	8.0.0	8.1.0
	<p>TIBCO MFT Platform Server for UNIX 8.1.0 clients can still connect to TIBCO MFT Platform Server for Windows 8.0.0 Accelerator Server or TIBCO MFT Platform Server for UNIX 8.0.0 Accelerator Server. (The config.txt Accelerator parameters are still available, but the Accelerator folder under \$CFROOT with the Accelerator daemon process is removed.)</p>		
	<p>Note: TIBCO Accelerator CLI parameters have been retained to allow users to connect to TIBCO Accelerator on TIBCO MFT Platform Server for Windows.</p>		

Migration and Compatibility

For migration procedures and compatibility issues in version 8.1.0 of TIBCO MFT Platform Server for UNIX, see the "Upgrading TIBCO MFT Platform Server for UNIX" section in *TIBCO® Managed File Transfer Platform Server for UNIX Installation*.

Closed Issues

The following issues have been fixed in this release of TIBCO MFT Platform Server for UNIX.

Key	Description
PSU-812	When a directory receive request using a template was initiated and the remote file name was a Universal Naming Convention (UNC) path that contained multiple forward slashes (/) or backslashes (\), a core dump occurred and the transfer failed.
PSU-809	When Daylight Savings Time returned to Standard time, BW initiated "Wait for Platform Transfer Completion" requests failed with the Command Center error: "Failed to obtain a unique transfer status record."
PSU-808	Transfers initiated by Platform Server for UNIX to Platform Server for z/OS failed intermittently with an authentication failure.
PSU-799	When maximum transfers for one day exceeded 1296999, the transaction number for subsequent transfers was corrupted.
PSU-778	The CRC value specified for the transfer on the command line did not override the global CRC value specified in the <code>config.txt</code> file.
PSU-768	When Platform Server for z/OS initiated a transfer with Platform Server for UNIX and set <code>CRC=NO</code> , Platform Server for UNIX incorrectly turned on CRC processing.
PSU-746	When a UNIX-initiated send transfer restarted, the target file was corrupted or the transfer failed.
PSU-743	When checkpoint restart was turned off, PQF files were created.
PSU-730	When a <code>Log.txt</code> record was truncated, Command Center Collection caused an exception.
PSU-728	When a send command was executed and the remote command was a

Key	Description
	Platform Server command that included a PPA, an invalid character was added to the end of the PPA causing the remote command to fail.
PSU-710	When files were transferred with AES encryption, the target file could be corrupted.
PSU-701	Tokens such as <code>\$(RemoteFileBase)</code> , <code>\$(RemoteFileExt)</code> , <code>\$(LocalFileBase)</code> , and <code>\$(LocalFileExt)</code> resolved incorrectly.
PSU-700	A Postprocessing Action (PPA) with a long file name caused an exception, and the PPA was not executed.
PSU-693	When Platform Server for UNIX restarted a transfer with CRC turned on, the restart failed with the error message, "CRC Validation Failed."
PSU-691	Platform Server was unable to extract group membership for Active Directory users when the Linux SSSD parameter was set to <code>ignore_group_members=True</code> .
	Note: This fix applies only to the Platform Server for Linux.
PSU-690	When TIBCO MFT Platform Server for Windows 7.2.0 sent a 0-byte file to TIBCO MFT Platform Server for Unix 8.0.0, the transfer failed with the message: "File to File transfer failed." "Failed sending error notification to partner:" "An error occurred receiving data from partner. (d)"
PSU-635	When the <code>RequireNodeDefinition</code> parameter in the <code>config.txt</code> of the client was set to Yes, initiator transfers to a node failed with the message: "config.txt: node file does not exist."
PSU-634	When an incoming transfer was received and a node definition was not created for the incoming IP address, the IP address/node name on the audit record was set to NULL.
PSU-626	The TLS session negotiation failed when elliptical curve ciphers were used in SSL or tunnel mode.

Key	Description
PSU-625	When the ProcessName parameter was 8 bytes long and the user data was defined, connections to TIBCO® Managed File Transfer Internet Server failed with the message: "the length is too long for ProcessName."
PSU-624	When sending a single file from the current directory with the remote file name specified as asterisk (*), the remote file name was set to the asterisk character instead of the local file name.
PSU-610	Tunnel transfers failed when HIPAA=Yes was defined in the node definition.
PSU-609	When a user set the Using SSL field to SSL in the Add Platform Node or Update Platform Node page of TIBCO® Managed File Transfer Command Center, the node definition was created as TLS tunnel node instead of SSL node.
PSU-538	Only CyberMgr can add or update Log.txt records. All users cannot update the Log.txt file.
PSU-518	When a UNC directory was received from Platform Server for Windows with ScanSubdirectory set to Yes, the \$(SDIR) token was not resolved correctly.

Known Issues

The following issues exist in this release of TIBCO MFT Platform Server for UNIX.

Key	Summary
PSU-398	<p>Summary: During send transfers to a distribution list, if you specify some of these parameters on the command line: encryption, SSL, port and compression, they cannot override the values defined for the nodes which are included in the distribution list.</p> <p>Workaround: Configure the necessary encryption, SSL, port and compression in the node definition when sending a file to a distribution list.</p>
PSU-248	<p>Summary: When you run the fusing command against TIBCO® Managed File Transfer Platform Server for Windows with earlier versions, if the license key of the Windows server has expired, a wrong message indicating a network error is displayed.</p> <p>Workaround: None.</p>

TIBCO Documentation and Support Services

For information about this product, you can read the documentation, contact TIBCO Support, and join TIBCO Community.

How to Access TIBCO Documentation

Documentation for TIBCO products is available on the [TIBCO Product Documentation](#) website, mainly in HTML and PDF formats.

The [TIBCO Product Documentation](#) website is updated frequently and is more current than any other documentation included with the product.

Product-Specific Documentation

The following documentation TIBCO® Managed File Transfer Platform Server for UNIX is available on the [TIBCO® Managed File Transfer Platform Server for UNIX Product Documentation](#) page.

- *TIBCO® Managed File Transfer Platform Server for UNIX Release Notes*
- *TIBCO® Managed File Transfer Platform Server for UNIX Managed File Transfer Overview*
- *TIBCO® Managed File Transfer Platform Server for UNIX Installation*
- *TIBCO® Managed File Transfer Platform Server for UNIX User's Guide*
- *TIBCO® Managed File Transfer Platform Server for UNIX Security Guide*
- *TIBCO® Managed File Transfer Platform Server for UNIX Docker Container Deployment*

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- For creating a Support case, you must have a valid maintenance or support contract with TIBCO. You also need a user name and password to log in to [TIBCO Support](#) website. If you do not have a user name, you can request one by clicking **Register** on the website.

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