



TIBCO® Product and Service Catalog powered by TIBCO EBX®

Customization

*Version 1.2.0
January 2022*



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Workflow Configuration Files and Parameters

You can customize the following workflow parameters in TIBCO® Product and Service Catalog powered by TIBCO EBX® instead of changing or publishing actual workflows:

- [Customizing the Delete Record Workflow](#)
- [Customizing the Import Record Workflow](#)
- [Customizing the Publish Record Workflow](#)
- [Customizing the Export Record Workflow](#)

The workflow configuration file is available in the \$PSC_COMMON_DIR/workflow directory. The following table lists the workflows and the respective configuration files:

Workflow Name	Description	Configuration File
DeleteRecordWorkflow	Used for deleting records	wfdeleterecordv1.xml
ExportRecordWorkflow	Used for exporting records	wfexportrecordv1.xml
ImportRecordWorkflow	Used for importing records	wfimportrecordv1.xml
PublishRecordWorkflow	Used for publishing records	wfpublishrecordv1.xml

The following table lists the Workflow and Step attributes:

Parameter Name	Description
Name	The name of the Step, for example, <Step Name = “DeleteRecord”>
name	Name of the parameter
value	Value of the parameter
type	Datatype of the parameter

Parameter Name	Description
fieldName	Name of the field on which a filter has to be applied
condition	Filter conditions, for example, equals, notequals

Customizing the Delete Record Workflow

This section describes the step parameters that you can change to customize the delete record workflow.

DeleteRecord Step

This step is used to delete the records.

Parameter Name	Description	Default Value
deleteRelationshipOnly	Only deletes the relationships	false
deleteChildren	Deletes the children.	false
enableAllPrivileges	If true, disables all permission checks for future operations performed by the current run. If false, sets the default mode that enables the usual permission checks.	true
disableBlockingConstraints	Disables or enables blocking constraints defined in the data model.	true
enableTriggerActivation	Enables or disables triggers.	false

Customizing the Import Record Workflow

This section describes the step parameters that you can change to customize the import record workflow.

InitializeVariable Step

This step is used to initialize the parameters for the import record workflow. You can change the following parameters through the workflow configuration file.

Parameter Name	Description	Default Value
logImportErrorsInRecordLog	If this flag is set to true then it logs the import related error in “PSC Record Log Data Space” dataspace.	true
logRulebaseErrorsInRecordLog	If this flag is set to true then it logs the rulebase constraint failed related information in “PSC Record Log Data Space” dataspace.	true
createVersions	If this flag set to true then after completion of the workflow it creates a PSC master dataspace version.	false

ImportRecord Step

This step is used to import the records. It does not have any parameter to be changed through the workflow configuration file.

EvaluateRulebase Step

This step is used to execute the rules. You can change the following parameters through the workflow configuration file.

Parameter Name	Description	Default Value
skipRulebase	Skip the rulebase execution.	false

Customizing the Publish Record Workflow

This section describes the step parameters that you can change to customize the publish record workflow.

ActionTablePublish Step

This step is used to publish the records of the Action table. You can change the following parameters through the workflow configuration file.

Parameter Name	Description	Default Value
tableName	The table name from which records are being published.	Action
xslmap	XSLT file used for transformation of data.	mapactionmodelv1.xsl
level1RelationshipName	Level1 relationships	None
numberOfRecordsInSingleFile	Number of records published in a single file	1
jmsTopic	JMS topic name for online publish	tibco.ac.actionmodel.topic

DiscountTablePublish Step

This step is used to publish the records of the Discount table. You can change the following parameters through the workflow configuration file.

Parameter Name	Description	Default Value
tableName	The table name from which records are being published.	Discount
xslmap	XSLT file used for transformation of data.	mapdiscountmodelv1.xsl
level1RelationshipName	Level1 relationships	DiscountComprisedOf DiscountGovernedBy DiscountGovernedByRule DiscountRequiresCharacteristic PriceGovernedBy DiscountRequiresParty DiscountRequiresProduct DiscountRequiresProductGroup DiscountRequiresSegment
level2RelationshipName	Level2 relationships	DiscountComprisedOf GroupRequiresProducts
numberOfRecordsInSingleFile	Number of records published in a single file	1
jmsTopic	JMS topic name for online publish	tibco.ac.discountmodel.topic

PriceTablePublish Step

This step is used to publish the records of the Price table. You can change the following parameters through the workflow configuration file.

Parameter Name	Description	Default Value
tableName	The table name from which records are being published.	Price
xslmap	XSLT file used for transformation of data.	mappricemodelv1.xsl
level1RelationshipName	Level1 relationships	CharacteristicCharge PriceAlteredByAllowance PriceAlteredByDiscount PriceComprisedOf PriceGovernedByRule PriceRequiresCharacteristic PriceRequiresParty PriceRequiresProduct PriceRequiresProductGroup PriceRequiresSegment PriceGovernedBy
level2RelationshipName	Level2 relationships	PriceComprisedOf GroupRequiresProducts DiscountRequiresSegment
numberOfRecordsInSingleFile	Number of records published in a single file	1
jmsTopic	JMS topic name for online publish	tibco.ac.pricemodel.topic

ProductTablePublish Step

This step is used to publish the records of the Product table. You can change the following parameters through the workflow configuration file.

Parameter Name	Description	Default Value
tableName	The table name from which records are being published.	Product
xslmap	XSLT file used for transformation of data.	mapproductmodelv1.xsl
level1RelationshipName	Level1 relationships	CompatibleParty ProductComprisedOf CharacteristicCompatibleProduct IncompatibleProduct CompatibleSegment IncompatibleSegment CompatibleCharacteristic IncompatibleCharacteristic IncompatibleParty ProductPricedByProductRequiredFor ProductHasProvidePlanFragment ProductHasUpdatePlanFragment ProductHasCeasePlanFragment ProductHasCancelPlanFragment PlanFragmentHasMilestone PriceRequiresSegment ProductHasCustomPlanFragment ProductDependsOn ProductGovernedByRule Category ProductToMigrate HasChannel
level2RelationshipName	Level2 relationships	PlanFragmentHasMilestone ProductComprisedOf ProductRequiredFor ProductDependsOn PriceRequiresSegment Condition RuleParameter HasDataType
Level3RelationshipName	Level3	MilestoneDependsOn

Parameter Name	Description	Default Value
	relationships	
numberOfRecordsInSingleFile	Number of records published in a single file	1
jmsTopic	JMS topic name for online publish	tibco.ac.productmodel.topic

RuleTablePublish Step

This step is used to publish the records of the Rule table. You can change the following parameters through the workflow configuration file.

Parameter Name	Description	Default Value
tableName	The table name from which records are being published.	Rule
xslmap	XSLT file used for transformation of data.	maprulemodelv1.xsl
level1RelationshipName	Level1 relationships	RuleParameter Condition
numberOfRecordsInSingleFile	Number of records published in a single file	1
jmsTopic	JMS topic name for online publish	tibco.ac.rulemodel.topic

PartyTablePublish Step

Parameter Name	Description	Default Value
tableName	The table name from which records are being published.	Party
xslmap	XSLT file used for transformation of data.	mappartymodelv1.xsl
level1RelationshipName	Level1 relationships	DataForParty PartyHasData PartyHasSegment CompatibleProductForParty OrgIn HasPeople
numberOfRecordsInSingleFile	Number of records published in a single file	1
jmsTopic	JMS topic name for online publish	tibco.ac.customermodel.topic

PlanfragmentTablePublish Step

This step is used to publish the records of the Planfragment table. You can change the following parameters through the workflow configuration file.

Parameter Name	Description	Default Value
tableName	The table name from which records are being published.	Planfragment

Parameter Name	Description	Default Value
xslmap	XSLT file used for transformation of data.	mapplanfragmentmodelv1.xsl
level1RelationshipName	Level1 relationships	PlanFragmentHasMilestone MilestoneToMilestone CompensatedBy RedoneBy
numberOfRecordsInSingleFile	Number of records published in a single file	1
jmsTopic	JMS topic name for online publish	tibco.ac.planfragmentmodel.topic

SegmentTablePublish Step

This step is used to publish the records of the Segment table. You can change the following parameters through the workflow configuration file.

Parameter Name	Description	Default Value
tableName	The table name from which records are being published.	Segment
xslmap	XSLT file used for transformation of data.	mapsegmentmodelv1.xsl
level1RelationshipName	Level1 relationships	PlanFragmentHasMilestone MilestoneToMilestone

Parameter Name	Description	Default Value
		CompensatedBy RedoneBy
numberOfRecordsInSingleFile	Number of records published in a single file	1
jmsTopic	JMS topic name for online publish	tibco.ac.segmentmodel.topic

CategoryTablePublish Step

This step is used to publish the records of the Category table. You can change the following parameters through the workflow configuration file.

Parameter Name	Description	Default Value
tableName	The table name from which records are being published.	Category
xslmap	XSLT file used for transformation of data.	mapcategorymodelv1.xsl
level1RelationshipName	Level1 relationships	SubcategoryOf
numberOfRecordsInSingleFile	Number of records published in a single file	1
jmsTopic	JMS topic name for online publish	tibco.ac.categorymodel.topic

Customizing the Export Record Workflow

The Export Record Workflow cannot be customized through Configuration Files.

Customizing the UI

You can customize the UI for TIBCO® Product and Service Catalog powered by TIBCO EBX® to create tabular structures for table attributes and relationships by using the configuration file `$PSC_COMMON_DIR/config/ui/customform/ formconfig.xml`. This is the default configuration for each user. You can customize the UI by adding user-specific UI configuration through creating a new configuration at `$PSC_COMMON_DIR/common/ui/customform/${USERNAME}/ formconfig.xml`. You must create a directory with the username `${USERNAME}` here. This file contains the following tags:

Tag	Description
<Tables>	Root tag. All hierarchy must be defined inside this tag.
<MainTableTabName>	The name of the tab for main table.
<TabDisplayBy>	The tabs ordering sequence. The valid values are: <ul style="list-style-type: none"> Sequence – The tabs are displayed on UI as they mentioned in file order. Order - The tabs are alphabetically sorted.
<Table>	Tabular configuration for the table. Through the name attribute, you can specify the table name.
<RelationshipGroups>	Each <Table> tag may contains this tag where all relationship grouping can be defined.
<RelationshipGroup>	The name attribute defines the name of the tab. In this tag you can define the relationship which you want to see in this tab. It also contains an attribute “type”. If type value is “Others” and it contains <Relationship>ALL</Relationship> then all relationships which are not defined in < RelationshipGroups > are shown in this tab. There must be only single < RelationshipGroup > tag which contains this type=”Others”.

Configuration Properties

You can configure and customize the feature configurations using the \$PSC_HOME/config/config.properties file.

Property Name	Description
com.tibco.psc.jms.provider	The name of the JMS provider. Default is tibcoems
com.tibco.psc.jms.topic.connection.username	Username for creating a topic connection.
com.tibco.psc.jms.topic.connection.password	Password for creating a topic connection.
com.tibco.psc.jms.topic.connection.attempts	The number of times the connection object attempts to establish a connection to the server Default is 10
com.tibco.psc.jms.topic.connection.attempt.delay	The delay time between successive attempts to establish a connection to the server. Its value is the time (in milliseconds) between connection attempts. Default is 5000
com.tibco.psc.jms.topic.connection.attempt.timeout	The number of times that a connection object attempts to reestablish a connection to the server Default is 5000

Property Name	Description
com.tibco.psc.jms.topic.connection.reconnect.count	<p>The number of times that a connection object attempts to reestablish a connection to the server.</p> <p>Default is 360</p>
com.tibco.psc.jms.topic.connection.reconnect.attempt.delay	<p>The delay time between successive attempts to reconnect to the server. Its value is the time (in milliseconds) between reconnection attempts.</p> <p>Default is 5000</p>
com.tibco.psc.jms.topic.connection.reconnect.attempt.timeout	<p>Set the Reconnect Attempt timeout for a given connection</p> <p>Default is 5000</p>
com.tibco.psc.jms.encoding.type	<p>Message encoding type</p> <p>Default is UTF-8</p>
com.tibco.psc.jms.topic.default.number.of.senders	<p>Number of message publisher for each topic</p> <p>Default is 1</p>
com.tibco.psc.log4j.appender.pscmdm.MaxFileSize	<p>Maximum log file size</p> <p>Default 5 MB</p>
com.tibco.psc.log4j.appender.pscmdm.MaxBackupIndex	<p>Number of backup files</p> <p>Default is 25</p>
com.tibco.psc.log4j.appender.pscmdm.Threshold	<p>Log threshold. Valid values DEBUG,INFO,ERROR</p> <p>Default is DEBUG</p>

Property Name	Description
com.tibco.psc.log4j.appender.pscmdm.layout.Conversion Pattern	Log message layout pattern Default is %d\, [%t]\, [%-5p]\, %x %c{1}\, - %m%n
com.tibco.psc.log4j.appender.pscmdm	Log append Default is org.apache.log4j.RollingFileAppender
com.tibco.psc.log4j.appender.pscmdm.layout	Logger layout Default is org.apache.log4j.PatternLayout
com.tibco.psc.import.csv.field.list.type.separator	The separator character to use for values lists Default is !#
com.tibco.psc.import.csv.encoding.type	the character encoding to use Default is UTF-8
com.tibco.psc.import.csv.importmode	The import mode. Valid values - <ul style="list-style-type: none"> • #INSERT_ONLY - Specifies that only modifications of existing records are allowed. • #REPLACE_ALL_CONTENT - Specifies that all records will be replaced during the import process. • #UNKNOWN - Specifies an undefined mode. • #UPDATE_ONLY - Specifies an undefined mode.

Property Name	Description
	<ul style="list-style-type: none"> • #UPDATE_AND_INSERT - Specifies that all records will be updated or inserted during import process. <p>Default is UPDATE_AND_INSERT</p>
com.tibco.psc.import.csv.download.invalid.data	<p>Whether all records with errors in their data rows are exported to a downloadable file</p> <p>Default is true</p>
com.tibco.psc.import.csv.valid.record.import	<p>If validation errors exist and the user chooses import only valid records</p> <p>Default is true</p>
com.tibco.psc.import.csv.validate.data.before.transformation	<p>Whether the import data is validated before transformation executing</p> <p>Default is false</p>
com.tibco.psc.import.csv.decimal.symbol	<p>The decimal symbol - possible values are COMMA, DOT</p> <p>Default is DOT</p>
com.tibco.psc.import.forced.import	<p>Whether all triggers and constraints are disabled in the process of importing data.</p> <p>Default is true</p>
com.tibco.psc.export.csv.delimiter	<p>The character is used to mark the beginning and end of a cell in the CSV file</p>

Property Name	Description
com.tibco.psc.export.csv.delimiter.used.foronly.string	Whether the delimiter is only used for string data types (true / false).
com.tibco.psc.export.csv.field.separator	The field separator character
com.tibco.psc.export.csv.field.list.type.separator	The separator character to use for value lists Default is - !#
com.tibco.psc.export.records.newfixed.threadpool.size	Fixed thread pool size for exporting records Default is - 4
com.tibco.psc.import.records.newfixed.threadpool.size	Fixed thread pool size for importing records Default is - 4
com.tibco.psc.publish.records.newfixed.threadpool.size	Fixed thread pool size for publishing records Default is - 4
com.tibco.psc.evaluate.rulebase.newfixed.threadpool.size	Fixed thread pool size for executing rulebase in imported records Default is - 4
com.tibco.psc.record.process.batch.size	Different operations, for example, rulebase execution work on records. It specifies the number of records are processed in single batch for execution. Default is 1000.
com.tibco.psc.ui.customform.enable	Enable or disable custom form.

Property Name	Description
	Default is true
com.tibco.psc.data.operation.error.threshold.limit	Error threshold limit for different operations. After this much error operation will be aborted. Default is 1000
com.tibco.psc.publish.tenant.id	Tenant Id Default is TIBCOPSCEBX
com.tibco.psc.ui.skip.rule.execution	If set to true, skip the rulebase execution when creating / modifying records through UI. Default is false

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

Documentation for TIBCO® Product and Service Catalog powered by TIBCO EBX® is available on the [TIBCO® Product and Service Catalog powered by TIBCO EBX® Product Documentation](#) page.

The following documents for this product can be found in the TIBCO Documentation site:

- *TIBCO® Product and Service Catalog powered by TIBCO EBX® Release Notes*
- *TIBCO® Product and Service Catalog powered by TIBCO EBX® Installation*
- *TIBCO® Product and Service Catalog powered by TIBCO EBX® User Guide*
- *TIBCO® Product and Service Catalog powered by TIBCO EBX® Customization Guide*

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