



TIBCO® Product and Service Catalog powered by TIBCO EBX®

Customization

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Workflow Configuration Files and Parameters

You can customize the following workflow parameters in the 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">

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Parameter Name	Description
Name	Name of the parameter
Value	Value of the parameter
Type	Datatype of the parameter
fieldName	Name of the field on which a filter has to be applied
Condition	Filter conditions, for example, equal, not equal

Customizing the Delete Record Workflow

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

DeleteRecord Step

Use the following table triggers from the PSCDataModel.xsd file to delete the records of a relationship or child table.

- AllowanceChildDeleteTrigger
- CatalogChildDeleteTrigger
- CategoryChildDeleteTrigger
- CharacteristicChildDeleteTrigger
- CharacteristicDataTypeChildDeleteTrigger
- DiscountChildDeleteTrigger
- MigrationChildDeleteTrigger
- MilestoneChildDeleteTrigger
- PartyChildDeleteTrigger
- PartyExtensionChildDeleteTrigger
- PlanFragmentChildDeleteTrigger
- PolicyRuleChildDeleteTrigger
- PriceChildDeleteTrigger
- RequiresProductChildDeleteTrigger
- RuleChildDeleteTrigger
- RuleConditionChildDeleteTrigger
- RuleParameterChildDeleteTrigger
- SalesChannelChildDeleteTrigger

- KeyValueChildDeleteTrigger
- SegmentChildDeleteTrigger

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 is set to true, then after completion of the workflow it creates a PSC master dataspace version.	True

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 run 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

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Parameter Name	Description	Default Value
		ProductDependsOn PriceRequiresSegment Condition RuleParameter HasDataType
Level3RelationshipName	Level3 relationships	MilestoneDependsOn
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

(Continued)

Parameter Name	Description	Default Value
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
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 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

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Parameter Name	Description	Default Value
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 `$PSC_COMMON_DIR/config/ui/customform/ formconfig.xml`. This is the default configuration for each user. You can customize the UI by adding user-specific UI configuration through creating a configuration at `$PSC_COMMON_DIR/common/ui/customform/${USERNAME}/ formconfig.xml`. Create a directory with the username `${USERNAME}` here. This file contains the following tags:

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

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.

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Property Name	Description
	Default is 5000
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.de lay	<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 publishers 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>

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Property Name	Description
com.tibco.psc.log4j.appender.pscmdm.Threshold	Log threshold. Valid values DEBUG,INFO,ERROR. Default is DEBUG
com.tibco.psc.log4j.appender.pscmdm.layout.Conversion Pattern	Pattern of the log message layout. 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 are replaced

(Continued)

Property Name	Description
	<p>during the import process.</p> <ul style="list-style-type: none"> • #UNKNOWN - Specifies an undefined mode. • #UPDATE_ONLY - Specifies an undefined mode. • #UPDATE_AND_INSERT - Specifies that all records are updated or inserted during the 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 running</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>

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Property Name	Description
com.tibco.psc.import.forced.import	Whether all triggers and constraints are disabled in the process of importing data Default is true
com.tibco.psc.export.csv.delimiter	The character is used to mark the beginning and end of a cell in the CSV file
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.record.process.batch.size	Different operations, for example, rulebase execution work on records. It specifies the number of

(Continued)

Property Name	Description
	records are processed in a single batch for execution. Default is 1000.
com.tibco.psc.ui.customform.enable	Enable or disable custom form. Default is true
com.tibco.psc.data.operation.error.threshold.limit	Error threshold limit for different operations. After this much error, the operation is stopped. 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

The following documentation for this product is available on the [TIBCO® Product and Service Catalog powered by TIBCO EBX® Product Documentation](#) page:

- *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*

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