



TIBCO® Product and Service Catalog powered by TIBCO EBX®

User Guide

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Overview

TIBCO® Product and Service Catalog powered by TIBCO EBX® is a plug-in that enables you to easily manage and maintain complex Product Offerings.

The Product Offerings Services and Rules for Pricing, Provisioning and Eligibility are actively maintained within the TIBCO Product and Service Catalog powered by EBX® Data Repository. For details on the product catalog and data models, see the *TIBCO Product and Service Catalog powered by EBX* documentation.

The UI interface allows you to create, edit, search, and maintain data. User access, responsibilities, and lifecycle workflow can be configured for the ongoing management of this information. The complete data model for your product offerings and their components can be exported to the downstream order provisioning systems, such as TIBCO® Order Management.

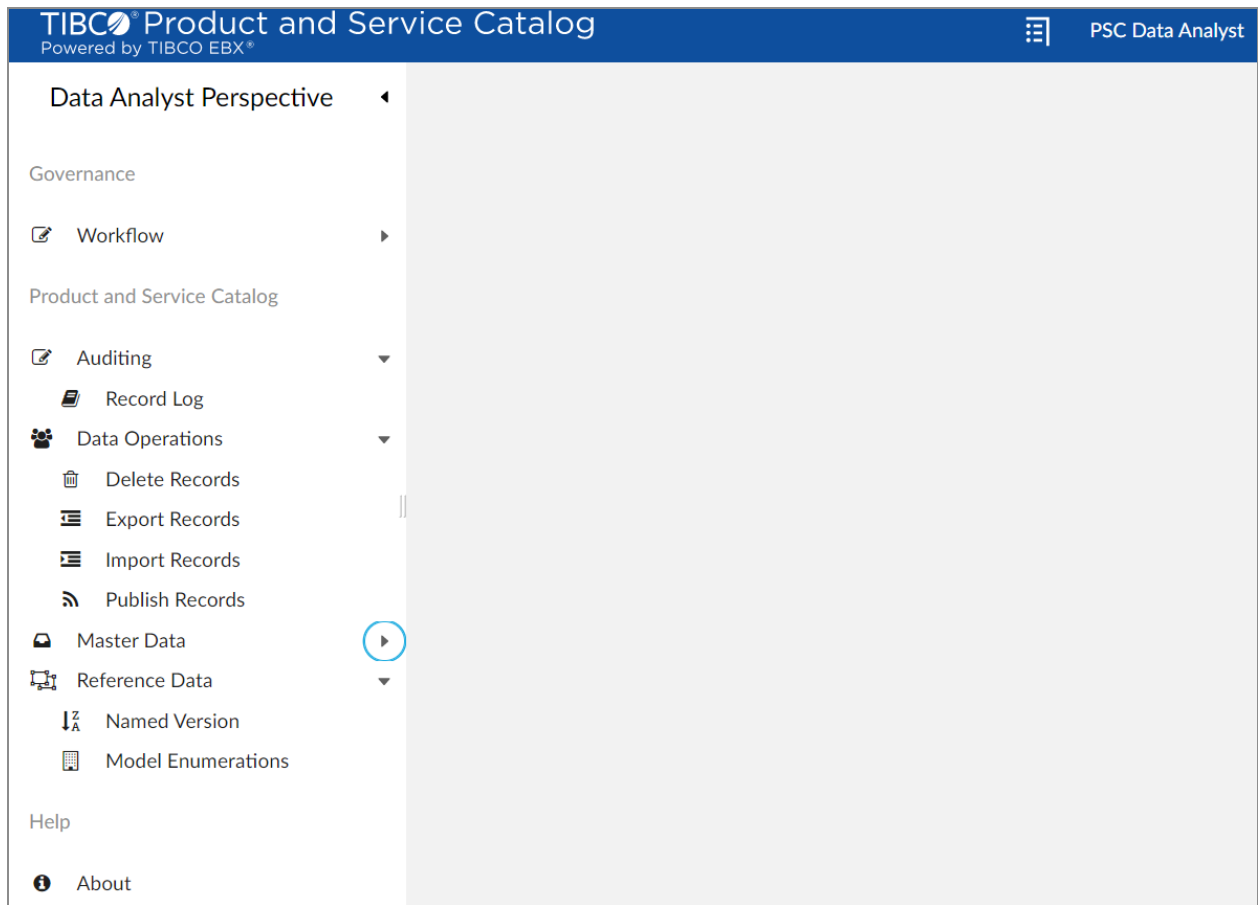
This document describes the features of TIBCO Product and Service Catalog powered by EBX.

Dataspace

The following dataspace are present in TIBCO Product and Service Catalog powered by EBX:

Dataspace Name	Description
PSC Master Data Space	This is the main dataspace that contains PSC Data Set . This is the dataset where the actual master data is stored.
PSC Record Log Data Space	The purpose of this dataspace is to store the import records audit information. It contains the PSC Record Log Dataset that has the Record Log table where all the audit information is stored.
PSC Workflow Artifact Data Space	The purpose of this dataspace is to store workflow related artifacts. It contains the PSC Workflow Artifact Dataset that has the Workflow Artifact table where all the information is stored. You can download all the artifacts of Import, Export, Delete, and Publish workflows.
PSC ReferenceData Data Space	<p>The purpose of this dataspace is to store reference data. It contains the PSC ReferenceData Dataset that has the following tables:</p> <ul style="list-style-type: none">• Named Version – maintains the date of the last Delta export and Delta publish• Enumeration Values – contains the enumeration values of the different table fields• RecordUse Categories – this table holds the mapping of the Category vs Record Usage of the product table

TIBCO Product and Service Catalog powered by EBX comes with a Data Analyst perspective that includes all available TIBCO® Product and Service Catalog features. This perspective is available only for the Data Analyst role.



Exporting Records

You can export the records from TIBCO Product and Service Catalog powered by EBX in the following ways:

- [Exporting a Blank Template](#)
- [Exporting Full System Data](#)
- [Exporting Partial System Data](#)
- [Delta Export](#)
- [Custom Export](#)

Exporting a Blank Template

You can export a blank template for all the tables to model the system data. To execute Blank Template Export using TIBCO Product and Service Catalog powered by EBX user interface, perform the following steps:

Procedure

1. Navigate to **PSC Master Data** under the **Master Data Reference** tab of the **Data** tab.
2. Click **Actions** on the left panel.
3. In **PSC Data Services**, click **Export Records**.
4. Select **Blank Template** from the **Select Export Type** drop down.
5. Click **Download**. A message Click here to download blank templates is displayed.
6. Click **here** to download the blank template.

Result

The blank template .zip file is downloaded.



Exporting Full System Data

Full Export is a process of exporting all table instances and relationship instances data into a csv format file. The Full Export feature is primarily used when there is a need to copy data from one environment to another.

The tables involved in this process are all the tables that contain data are present in the environment from where the process is invoked.


Full Export helps to replicate data in one environment in another environment. For example, if data is populated in a Development environment, and you are required to have the same data in a Test / Staging environment, you can use this feature to export the data from the Development environment and import it to your target environment.

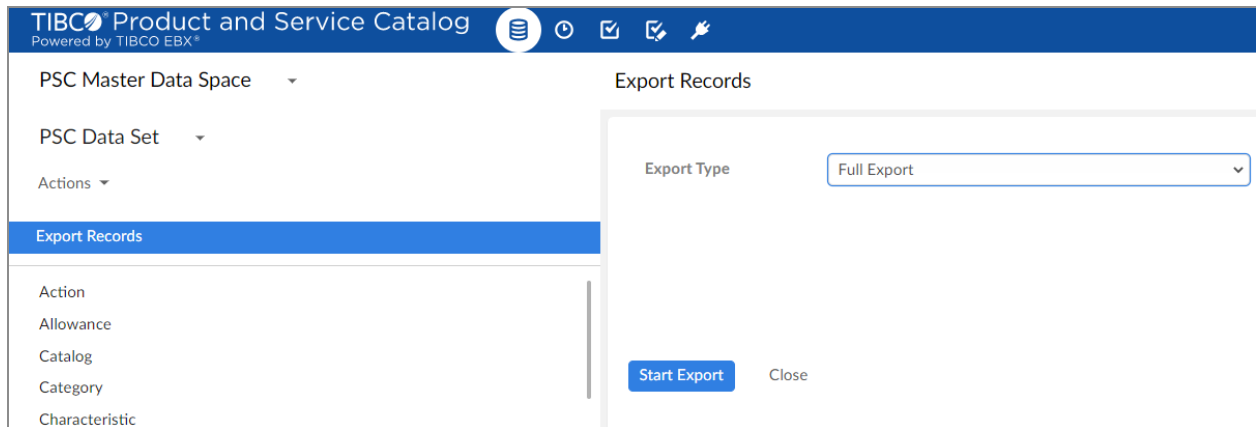
To execute Full Export using TIBCO Product and Service Catalog powered by EBX user interface, perform the following steps:

Procedure

1. Navigate to **PSC Master Data** under the **Master Data Reference** tab of the **Data** tab.
2. Click **Actions** on the left panel.
3. In **PSC Data Services**, click **Export Records**.
4. Select **Full Export** from the **Select Export Type** drop down.
5. Click **Start Export**. A message "Export Record Workflow - WN%% initiated, click here to monitor the progress of workflow." appears.
6. Click **here** to monitor the progress of the workflow. The **Active Workflows** page under the **Data Workflows** tab opens.
7. If the process is complete without error then you can find the same workflow

(WN%%) under the **Completed Workflows** tab.

8. Navigate to **PSC Workflow Artifact Data Space** under the **Master Data Reference** tab of the **Data** tab.
9. Double click on the WorkflowLabel (WN%%) that was triggered.
10. Expand the **Export Record** tab and click the  icon in front of the Exported Records Archive to download the zip file of the Exported records.



Exporting Partial System Data


Partial Export is a process of exporting selective data from all the tables and relationships. The selection of data is based on the **ProjectTagName** attribute value.

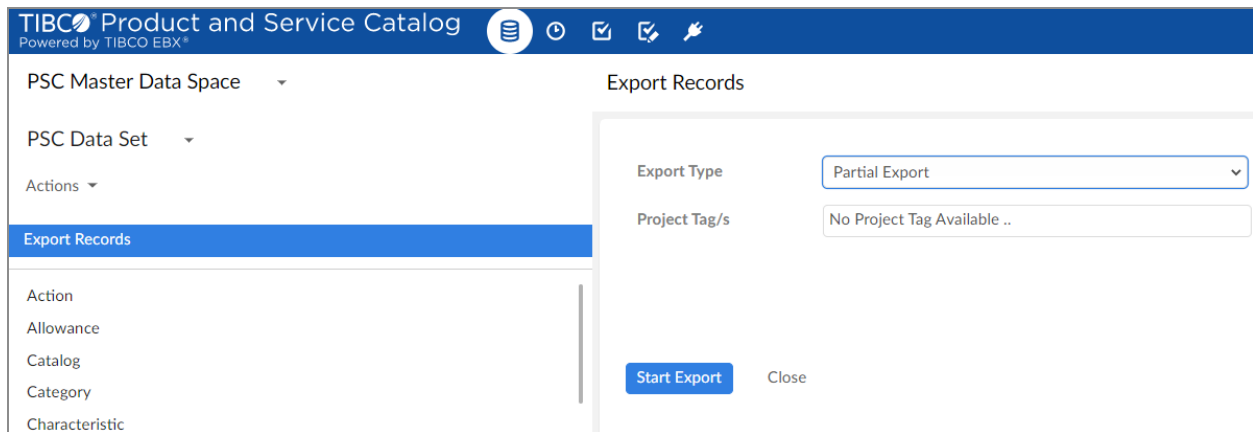
Partial Export is primarily used when there is a need to copy one or more project data from one environment to another. The tables involved in this process are all the tables that contain data and are present in the system from where the process is invoked. The export is based on the tags of the data.

To execute Partial Export using TIBCO Product and Service Catalog powered by EBX user interface, perform the following steps:

Procedure

1. Navigate to **PSC Master Data** under the **Master Data Reference** tab of the **Data** tab.
2. Click **Actions** on the left panel.
3. In **PSC Data Services**, click **Export Records**.

4. Select **Partial Export** from the **Select Export Type** drop down and select the required **ProjectTag** name to export records associated with that Project Tag.
5. Click **Start Export**. A message "Export Record Workflow - WN%% initiated, click here to monitor the progress of workflow." appears on the screen.
6. Click **here** to check the progress of the workflow. The Active Workflows page under the **Data Workflows** tab opens.
7. If the process is completed without error you can see the same workflow (WN%%) under the **Completed Workflows** tab.
8. Go to **PSC Workflow Artifact Data Space** under the **Master Data Reference** tab of the **Data** tab and double click on the **WorkflowLabel** (WN%%) that was triggered.
9. Expand the **Export Record** tab and click the  icon in front of the Exported Records Archive to download the .zip file of the Exported records.




Delta Export

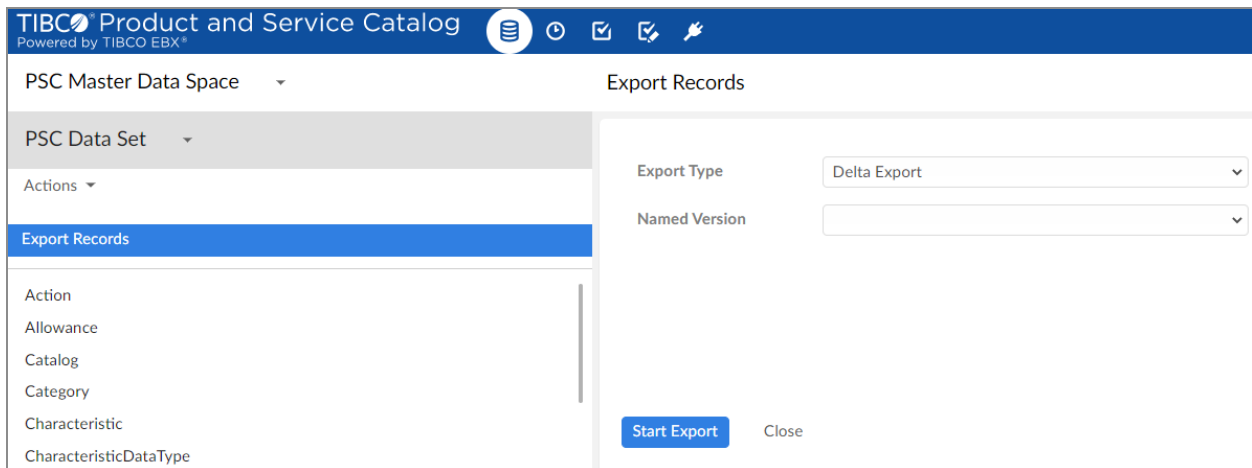
You can use Delta Export to export records based on the last modified date of the record. The named version acts as the delta export point and provides information about the date and time of the delta export.

Procedure

1. Navigate to **PSC Master Data** under the **Master Data Reference** tab of the **Data** tab.
2. Click **Actions** on the left panel.
3. In **PSC Data Services**, click **Export Records**.

4. Select **Delta Export** from the **Select Export Type** drop down and select the required **Named Version** to export records associated with that Date and Time.
5. Select the **Named Version**.
6. Click **Start Export**. A message Export Record Workflow – WN%% initiated, click [here](#) to monitor the progress of workflow. is displayed.
7. Click **here** to check the progress of the workflow. The Active Workflows page under the **Data Workflows** tab opens. If the process is complete without any error then you can find the same workflow(WN%%) under the **Completed Workflows** tab.
8. Go to **PSC Workflow Artifact Data Space** under the **Master Data Reference** tab of the **Data** tab.
9. Double click on the WorkflowLabel (WN%%) that was triggered.
10. Expand the **Export Record** tab and click the  icon in front of the Exported Records Archive to download the zip file of the exported records.

i Note: The first time a Delta Export is triggered, there is no Named Version available and it behaves as a Full Export. After triggering the delta export for the first time, a named version value appears depending on the date and time it was triggered.




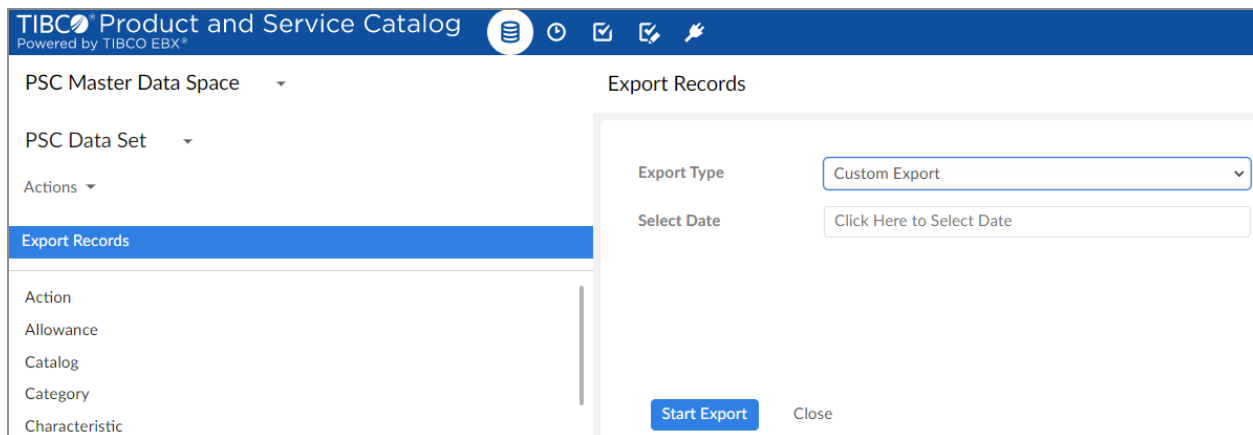
The screenshot shows the TIBCO Product and Service Catalog interface. The top navigation bar includes the TIBCO logo and the text "Powered by TIBCO EBX". Below the navigation bar, the left sidebar shows a tree view with "PSC Master Data Space" selected, and "Export Records" highlighted under the "Actions" menu. The main content area displays the "Export Records" dialog. This dialog has two dropdown menus: "Export Type" set to "Delta Export" and "Named Version" which is currently empty. At the bottom of the dialog are two buttons: "Start Export" (in blue) and "Close".

Custom Export

You can export records based on a selected date using the custom export function. It exports all the records that are created or modified after the specified date.

Procedure

1. Navigate to **PSC Master Data** under the **Master Data Reference** tab of the **Data** tab.
2. Click **Actions** on the left panel.
3. In **PSC Data Services**, click **Export Records**.
4. Select **Custom Export** from the **Select Export Type** drop down and select the required Date and Time to export records create / modified after that Date and Time.
5. Click **Start Export**. A message Export Record Workflow - WN%% initiated, click here to monitor the progress of workflow. is displayed.
6. Click **here** to check the progress of the workflow. The Active Workflows page under the **Data Workflows** tab opens. If the process is complete without any error then you can find the same workflow(WN%%) under the **Completed Workflows** tab.
7. Go to **PSC Workflow Artifact Data Space** under the **Master Data Reference** tab of the **Data** tab.
8. Double click on the WorkflowLabel (WN%%) that was triggered.
9. Expand the **Export Record** tab and click the  icon in front of the Exported Records Archive to download the zip file of the exported records.



The screenshot shows the TIBCO Product and Service Catalog interface. The top navigation bar includes the TIBCO logo and the text "Powered by TIBCO EBX". Below the navigation bar, the left sidebar displays a tree structure with "PSC Master Data Space" selected, followed by "PSC Data Set" and "Actions". The "Export Records" option is highlighted in blue. The main content area is titled "Export Records" and contains a form with the following elements:

- Export Type:** A dropdown menu with "Custom Export" selected.
- Select Date:** A button labeled "Click Here to Select Date".
- Start Export:** A blue button.
- Close:** A text link.

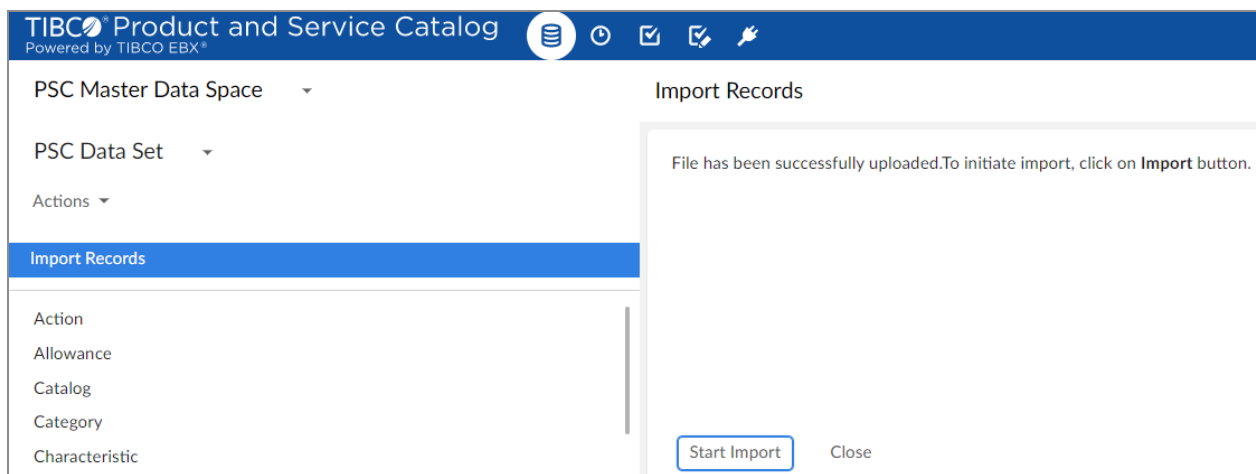
Below the "Export Records" dialog, a list of items is visible, including "Action", "Allowance", "Catalog", "Category", and "Characteristic".

Importing Records

You can import a .zip archive file containing CSV files of data for different tables.

Procedure

1. Click **Actions** on the left panel.
2. In **PSC Data Services**, click **Import Records**.
3. Upload the file to be imported. You can download the csv template from export records blank template options. The name of the csv file must be name of the table in which the records are being imported. All the csv files must be added directly into zip file. It must not be present in any subdirectory.
4. Click **Upload**. A successful import message is displayed.
5. Click **Start Import**.



Publish Records

The following Publish types are available in TIBCO Product and Service Catalog powered by EBX:

- **Full Publishing of Data** - All the records for a selected table in an environment are published while performing Full Publish of Table. In case of a PRODUCT table, if there are any changes to the offerID then the OfferIdMappings.xml file is also published. It is also generated in case of full publish whenever there is value present for offerID and OfferIDext attributes.
- **Delta Publishing of Data** - The Delta Publish of catalog can also be referred to as incremental publish. When you have an environment with a considerable amount of table data, and if you make minor changes to the data, publishing all the data for a small increment takes a lot of time because the entire data set is published.

The following Publish modes are available:

- FILE - Offline publication mode where records are published on the file system.
- JMS - Online publication mode, records are published on JMS topic.
- BOTH - Online and Offline publication mode where records are published on the file system and JMS topic.

Publish Catalog Showing CatalogUse Options and Behavior

The following table shows the behavior of product records with their child records when publish catalog is used with or without CatalogUse option for the product table records only.

PRODUCT RECORDS hierarchy	Selected CatalogUse	Published product xml files in .zip file or JMS
ProductA (All)	All (Default)	ProductA (All)
ProductB (All)		ProductB (All)

PRODUCT RECORDS hierarchy	Selected CatalogUse	Published product xml files in .zip file or JMS
ProductC (Technical)		ProductC (Technical)
ProductD (Commercial)		ProductD (Commercial)
ProductA (All)	Commercial	ProductA (All)
ProductB (All)		ProductB (All)
ProductC (Technical)		ProductD (Commercial)
ProductD (Commercial)		
ProductA (All)	Technical	ProductA (All)
ProductB (All)		ProductB (All)
ProductC (Technical)		ProductC (Technical)
ProductD (Commercial)		


Full Publishing of Data

All the records for a selected table in an environment are published while performing Full Publish of Table. If there is a value present for OfferID and OfferidExt then OfferIdMappings.xml is also published.

Procedure

1. Navigate to **PSC Master Data** under the **Master Data Reference** tab of the **Data** tab.
2. Click **Actions** on the left panel.
3. In **PSC Data Services**, select **Publish Records**.
4. Select the **Publish Mode** and the **Publish Type** as **Full Publish**.
5. Select the tables for which you want to perform the Publish activity.
6. Click **Publish**. This internally initiates a publish process.
7. Navigate to PSC Workflow Artifact Data Space under the **Master Data Reference** tab

of the **Data** tab.

8. Double click on the WorkflowLabel (WN%%) that was triggered.
9. Expand the respective table publish info tab, for example, **Action Table Publish Info** and click the  icon in front of the **Published Records Archive** to download the zip file of the Published records.

Publish Records

Publish Mode

FILE

Publish Type

Full Publish

<input type="checkbox"/>	Table	Last Published On	Catalog Use
<input checked="" type="checkbox"/>	Action	2021-06-16 23:28:39	
<input checked="" type="checkbox"/>	Category	Please Select Last Published On Date	
<input checked="" type="checkbox"/>	Discount	Please Select Last Published On Date	
<input type="checkbox"/>	Party	Please Select Last Published On Date	
<input type="checkbox"/>	Planfragment	Please Select Last Published On Date	
<input type="checkbox"/>	Price	Please Select Last Published On Date	
<input type="checkbox"/>	Product	Please Select Last Published On Date	All
<input type="checkbox"/>	Rule	Please Select Last Published On Date	
<input type="checkbox"/>	Segment	Please Select Last Published On Date	

Publish

Cancel

Delta Publishing of Data

The Delta Publish of catalog can also be referred to as incremental publish. When you have an environment with a considerable amount of table data, and if you make minor changes to the data, publishing all the data for a small increment takes a lot of time because the entire data set is published.


The Delta Publish feature addresses the issue by publishing only what has been changed. You can select the date and time and upon selection only those records are published which are created or modified after a selected date and time.

Delta Publish publishes records based on the last modified date of the record. The last modified date of the record is modified when the record attribute is modified.

- In case of PRODUCT table, if there are any changes to the offerID, the OfferIdMappings.xml file is also published.

- If you invoke Delta Publish for the first time on an environment, the entire data in the table is published.

Procedure

1. Navigate to **PSC Master Data** under the **Master Data Reference** tab of the **Data** tab.
2. Click **Actions** on the left panel.
3. In **PSC Data Services**, select **Publish Records**.
4. Select the **Publish Mode** and select the **Publish Type** as **Delta Publish**.
5. Select the tables for which you want to perform the Publish activity.
6. Select the **Last Published On** date.
7. Click **Publish**. This internally initiates a publish process.
8. Click **here** to monitor the progress of the workflow.
9. Navigate to PSC Workflow Artifact Data Space under the **Master Data Reference** tab of the **Data** tab.
10. Double click on the WorkflowLabel(WN%%) that was triggered.
11. Expand the respective table publish info tab, for example, **Action Table Publish Info** and click the  icon in front of the **Published Records Archive** to download the zip file of the Published records.

Publish Records

Publish Mode

JMS

Publish Type

Delta Publish

	Table	Last Published On	Catalog Use
<input checked="" type="checkbox"/>	Action	2021-06-16 23:28:39	
<input type="checkbox"/>	Category	Please Select Last Published On Date	
<input type="checkbox"/>	Discount	Please Select Last Published On Date	
<input type="checkbox"/>	Party	Please Select Last Published On Date	
<input type="checkbox"/>	Planfragment	Please Select Last Published On Date	
<input type="checkbox"/>	Price	Please Select Last Published On Date	
<input type="checkbox"/>	Product	Please Select Last Published On Date	All
<input type="checkbox"/>	Rule	Please Select Last Published On Date	
<input type="checkbox"/>	Segment	Please Select Last Published On Date	

Publish

Cancel

i Note: The downloadable files are available for publish mode as File or Both.

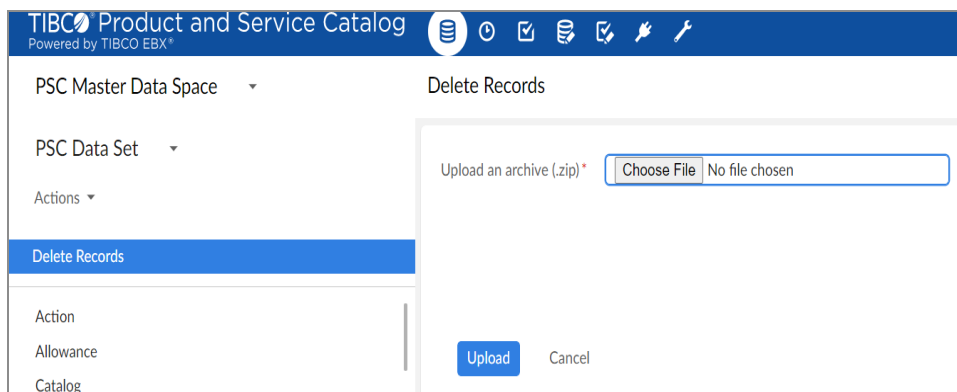
When publish mode used is jms then data is published on jms topics.

Deleting Records

To delete records and / or relationships perform the following steps:

Procedure

1. Navigate to **PSC Master Data** under the **Master Data Reference** tab of the **Data** tab.
2. Click **Actions** on the left panel.
3. In **PSC Data Services**, click **Delete Records**.
4. Click **Choose File** to upload a .zip file of the records to be deleted.
5. Select the file and click **Upload**. A message "File has been successfully uploaded. To initiate the delete records, click on Proceed button" is displayed.
6. Click **Proceed**. A message "Delete Record Workflow - WNxx initiated, click here to monitor the progress of workflow" is displayed.
7. Click **here** to monitor the progress of the workflow.



Note: Sample templates for deleting records and relationships are available at the location `$PSC_HOME\common\templates\BulkDelete.zip`.

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*

How to Contact TIBCO Support

Get an overview of [TIBCO Support](#). You can contact TIBCO Support in the following ways:

- For accessing the Support Knowledge Base and getting personalized content about products you are interested in, visit the [TIBCO Support](#) website.
- 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.

How to Join TIBCO Community

TIBCO Community is the official channel for TIBCO customers, partners, and employee subject matter experts to share and access their collective experience. TIBCO Community offers access to Q&A forums, product wikis, and best practices. It also offers access to extensions, adapters, solution accelerators, and tools that extend and enable customers to gain full value from TIBCO products. In addition, users can submit and vote on feature requests from within the [TIBCO Ideas Portal](#). For a free registration, go to [TIBCO Community](#).

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