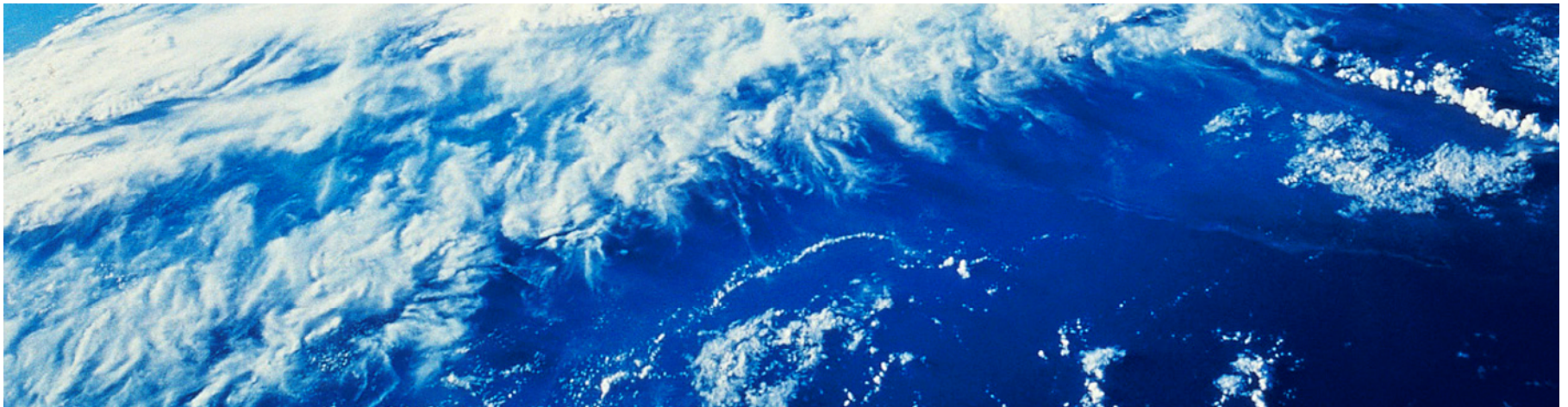


IBM WebSphere Commerce V7 FEP8

Promotion Export and Import



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Agenda

- Introduction
- Data Extraction of Promotions
- Data Load of Promotions
- References

- Customers create promotions in many environments for testing.
- Customers need to be able to replicate the same promotion in multiple environments.

What's New?

The **Data Extract** utility now supports the extraction of promotion data into an output XML file.

The **Data Load** utility can use this XML file as input to load the same promotion into other environments.

There are 3 files that can be configured:

Directory: WC_installdir\components\foundation\samples\DataExtract\Promotion

1) **wc-dataextract-env.xml**

The environment configuration file

- Set business context variables - the store and language identifier (i.e. Aurora and _1 for English)
- Set the database properties

2) **wc-dataextract.xml**

The Data Extract order configuration file

- Set the path for the business object configuration file
- Set the object type to be loaded (i.e. PromotionXml)
- Set the location for the output file

3) **wc-extract-xml-promotion.xml** (Sample file)

The business object configuration file.

- File already configured but can customize if need be
- (optionally) Set the mediator which is used to identify the general properties of the promotion (i.e. name, start date, end date, etc.)

Why would I need to customize the sample promotion configuration?

- To filter the promotions to be extracted based on a condition
i.e. Can select only promotions which are in a certain state – active or inactive
- To specify more, less or customized data(attributes) to be extracted for each promotion
- To specify conditions on how the data in the output XML file is formatted (i.e. indentation)

In WC_installdir\components\foundation\samples\DataExtract\Promotion\wc-extract-xml-promotion.xml

Customizing the promotions to be extracted based on a condition

Potential issue:

After extraction, the output XML file only contains a subset of the promotions that were expected to be extracted.

Trouble-shooting:

- Check the **DataReader** section of the configuration file and validate the **query** that's used to retrieve the promotions

```
<_config:DataReader
className="com.ibm.commerce.foundation.dataload.datareader.UniqueIdReader">
  <_config:Query>
    <_config:SQL>
      <![CDATA[SELECT PX_PROMOTION_ID FROM PX_PROMOTION WHERE
        STOREENT_ID = ? ORDER BY PX_PROMOTION_ID]]>
    </_config:SQL>
    <_config:Param name="storeId" valueFrom="BusinessContext" />
  </_config:Query>
</_config:DataReader>
```

In WC_installdir\components\foundation\samples\DataExtract\Promotion\wc-extract-xml-promotion.xml

Specifying the data to be extracted for a given promotion

- In the configuration file, locate the **BusinessObjectBuilder** section
- Then identify the **SQL query** that's used to retrieve the promotion data

```
<_config:BusinessObjectBuilder className=" ..." >
....
  <_config:Query>
    <_config:SQL>
      <![CDATA[SELECT CODETYPE, PATTERN, COUNT, CODESTATUS,
        TRANSFERABLE FROM PX_CDSPEC WHERE PX_PROMOTION_ID in (?)
        ORDER BY PX_PROMOTION_ID]]
    </_config:SQL>
```

Potential issue:

The correct attributes were not extracted

Trouble-shooting:

- Validate the **query** that's used to retrieve the promotion data
- Note that there is a finite list of attribute that can be extracted for promotions. See this link for the full list:
https://knowledgecenters.hursley.ibm.com/ecd-internal/SSZLC2_7.0.0/com.ibm.commerce.data.doc/refs/rmlcolumndef_promotions.htm

From command line:

WC_installdir\bin> dataextract

..\components\foundation\samples\DataExtract\Promotion\wc-dataextract.xml

Output file: Locate the output XML file in the directory specified in the Data Extract order configuration file.

- The default file name is Promotion.xml
- Example in this directory:
WC_installdir\components\foundation\samples\DataLoad\Promotion\

.

- Data Load requires an input XML file specifying the promotion and promotion attributes to be imported
- The output XML file from the data extraction can be used as the input XML file to the Data Load utility

Promotion Input XML has three sections:

<Base>

The elements within this parent element define the identifying and general properties for a promotion.

<Description>

The promotion description information. Include a separate <Description> for each defined language that your store supports for the promotion.

<Elements>

The promotion purchase condition and reward information. Each direct child <Type> element in the <Elements> element is a separate type of condition or reward.

- When importing a promotion, the initial state will be **inactive**
- Existing promotions can be updated using the Data Load utility but you must provide the unique_id for the promotion
- For update of existing promotions, it must be deactivated and re-activated before the updates are seen

OOB there are three configuration files:

- wc-dataload.xml
The data load order configuration file
- wc-dataload-env.xml
The data load environment configuration file
- wc-loader-promotion.xml
The business object configuration file

OOB input XML file:

WC_installdir\components\foundation\samples\DataLoad\Promotion\Promotion.xml

- Log: `WC_installdir\logs\wc-dataload.log`
- Can specify the log level for finer log level details
`dataload wc-dataload.xml -Dcom.ibm.commerce.promotion.dataload.level=FINER`

- Troubleshooting
https://knowledgecenters.hursley.ibm.com/ecd-internal/SSZLC2_7.0.0/com.ibm.commerce.data.doc/refs/rml_dataload_troubleshooting_main.htm
- Promotions Input XML File
http://www-01.ibm.com/support/knowledgecenter/SSZLC2_7.0.0/com.ibm.commerce.data.doc/refs/rmlcolumn_def_promotions.htm
- Sample: Loading Promotions Data
http://www-01.ibm.com/support/knowledgecenter/SSZLC2_7.0.0/com.ibm.commerce.data.doc/refs/rmlsample_promotionload.htm
- Extracting Promotion Data with the Data Extract Utility
http://www-01.ibm.com/support/knowledgecenter/SSZLC2_7.0.0/com.ibm.commerce.data.doc/tasks/tmlextractpromotiondata.htm
- Sample: Extracting Promotions Data
http://www-01.ibm.com/support/knowledgecenter/SSZLC2_7.0.0/com.ibm.commerce.data.doc/refs/rmlsample_promotionextract.htm

Thank You!

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