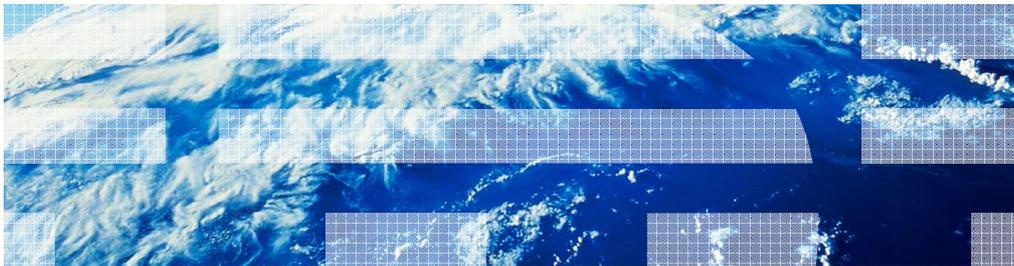


# WebSphere Process Server V7 WebSphere Integration Developer V7

## Relationship instance data migration

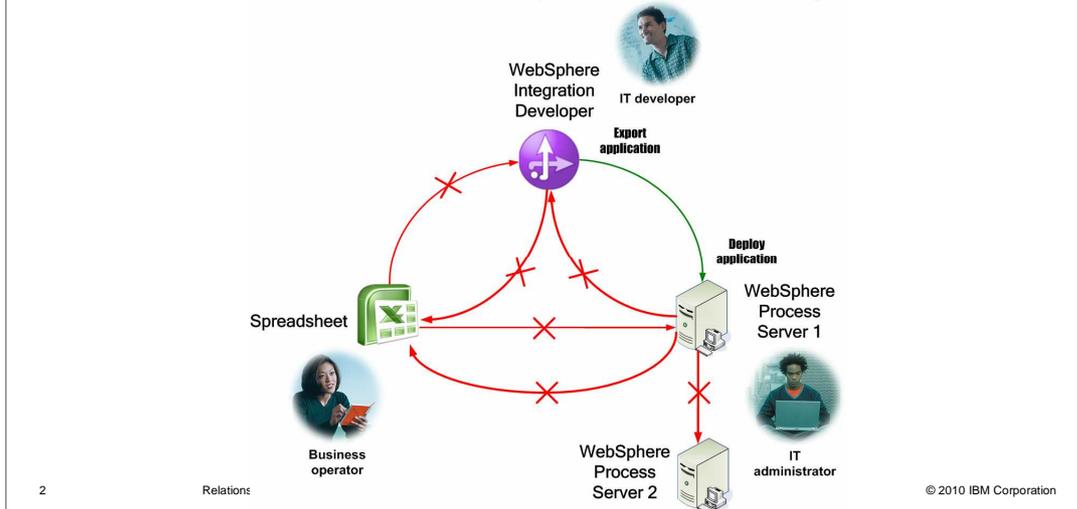


© 2010 IBM Corporation

This presentation will provide details on the enhancements made to relationship editor and how the relationship instance data migration is made simpler in version 7.0

## Relationship editor and manager enhancements

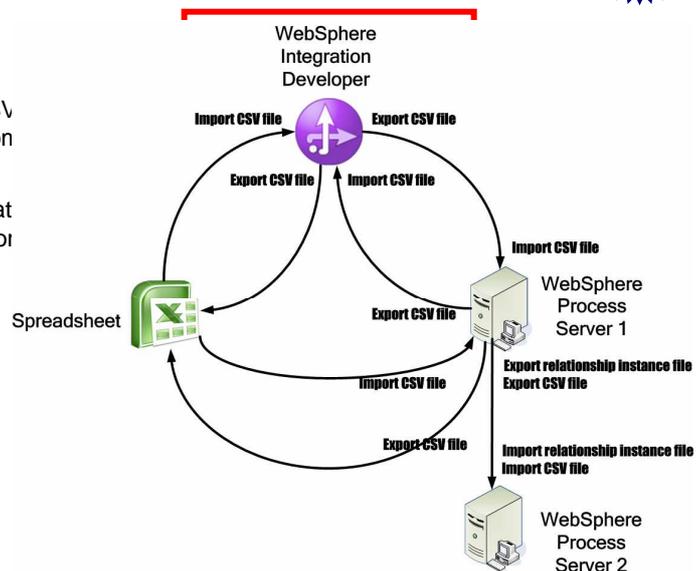
- Before version 7.0, there is no direct way to import the relationship instance data
  - from the existing **spreadsheet** to **WebSphere Integration Developer**;
  - from the existing **spreadsheet** to **WebSphere Process Server**;
  - from **WebSphere Process Server** back to **WebSphere Integration Developer**;
  - from **WebSphere Process Server** back to the **spreadsheet**;
  - from **WebSphere Process Server** to **WebSphere Process Server** for migration.



In versions before version 7.0, there is no direct and easy way to migrate the data from one format to another or from one environment to another easily. The relationship data had to be manually entered in WebSphere Integration Developer editor by business operator.

## Relationship editor Enhancements

- Export comma separated (CSV) static relationship instance from editor
- Import CSV data on static relationship instance into relationship editor

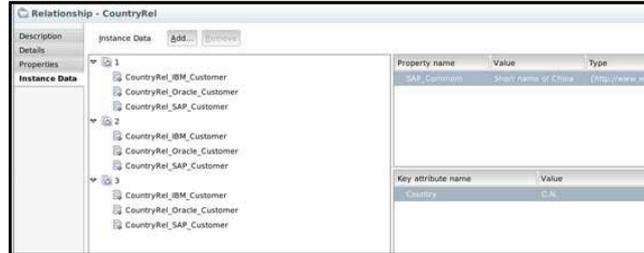


Shown here in the highlighted red box are the enhancements to relationship editor in WebSphere Integration Developer. In version 7.0 pre-defined static relationship data stored in a spreadsheet can be imported into WebSphere Integration Developer's relationship designer as comma-separated values, or CSV, files. The relationship instance data input in WebSphere Integration Developer can be exported back to the spreadsheet in the format of comma-separated values.

## Relationship editor enhancements

- Improved the relationship instance pre-population user interface:

- Before version 7.0:
  - The view is a mapping to the XML file.



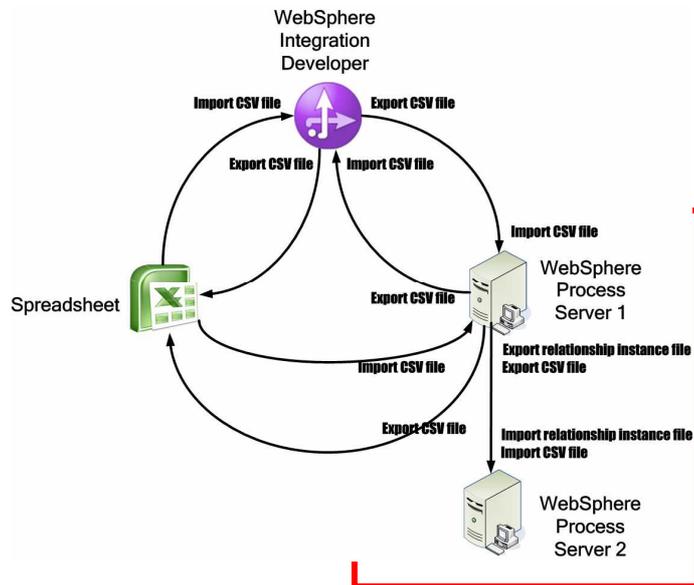
- Version 7.0:
  - The view is a mapping to the real table.



In versions before 7.0, the relationship instance pre-population user interface used to show a mapping to the XML file, but now in version 7, the view is a mapping to the real table which is easier and simpler to do.

## Relationship manager enhancements

- Export and import comma separated value (CSV) data on static relationship instance from and into relationship manager
- Export and import static relationship instance data in relationship instance format from and into relationship manager



Shown here in the highlighted red box are the enhancements to relationship manager in WebSphere Process Server. If the relationship instance data is updated in WebSphere Process Server, it can be exported back into WebSphere Integration Developer, or spreadsheet in the format of comma-separated values. It is also easier to migrate the relationship instance data from one server to another by exchanging the relationship instance or comma-separated values file. Relationship instance data is a xml based format that captures the data along with any metadata attached with the data like roles and other attributes.

## Relationship instance data – CSV formats

- Two types of CSV are supported

	Simple format	Lossless format
<b>Usage</b>	import your existing data.	To exchange data between Excel, WebSphere Integration Developer and WebSphere Process Server.
<b>Import</b>	Supports any kind of comma-separated values format. The users should bind the columns to the roles when importing.	The format strictly matches the definition.  No binding interaction is needed when importing.
<b>Export</b>	Contains only the instance data values.  Minor data loss.	Contains the instance data values, the property data, and the meta-data.  No data loss.
<b>Supported by</b>	WebSphere Integration Developer	WebSphere Integration Developer WebSphere Process Server
<b>Creation</b>	Created by the spreadsheet editor or WebSphere Integration Developer	Created by WebSphere Integration Developer, WebSphere Process Server

6

Relationship instance data migration

© 2010 IBM Corporation

Two types of comma-separated values are supported, simple and lossless format. The CSV file is simple and can be opened by Excel and similar editors, which enables the business people to edit the relationship instances directly. Simple format just contains data separated by commas. So when you import the data into WebSphere Integration Developer, you need to manually map the columns to roles. Lossless format contains information on roles, property data and metadata information so no manual mapping of roles is needed when importing into WebSphere Integration Developer. Lossless format is supported by WebSphere Process Server for both import and export of the instance data.

## Relationship instance data – Relationship instance format

- an XML file that contains details on roles, role instances, properties and meta data,
- Can be directly imported into WebSphere Process Server and exported from WebSphere Process Server.

```
<?xml version="1.0" encoding="ASCII"?>
<relationshipInstance xmlns="http://www.ibm.com/xmins/prod/webSphere/wbiserver/reli/6.0.0" x
<instanceData instanceID="1">
  <roleInstance name="SalesSystem" targetNamespace="http://TransformationModule">
    <keyAttributeValue>
      <name>Product Name</name>
      <value>Apple iPhone 3G</value>
    </keyAttributeValue>
  </roleInstance>
  <roleInstance name="InternalSystem" targetNamespace="http://TransformationModule">
    <keyAttributeValue>
      <name>Product</name>
      <value>AP_3G</value>
    </keyAttributeValue>
  </roleInstance>
  <roleInstance name="WarehouseSystem" targetNamespace="http://TransformationModule">
    <keyAttributeValue>
      <name>Product ID</name>
      <value>100201</value>
    </keyAttributeValue>
  </roleInstance>
</instanceData>
<instanceData instanceID="2">
  <roleInstance name="SalesSystem" targetNamespace="http://TransformationModule">
    <keyAttributeValue>
      <name>Product Name</name>
      <value>Apple iPhone 3GS</value>
    </keyAttributeValue>
  </roleInstance>
  <roleInstance name="InternalSystem" targetNamespace="http://TransformationModule">
    <keyAttributeValue>
      <name>Product</name>
      <value>AP_3GS</value>
    </keyAttributeValue>
  </roleInstance>
  <roleInstance name="WarehouseSystem" targetNamespace="http://TransformationModule">
    <keyAttributeValue>
      <name>Product ID</name>
      <value>100202</value>
    </keyAttributeValue>
  </roleInstance>
</instanceData>
```

Shown here is an example of the relationship instance format. It is an xml file that defines the roles, role instances, namespace, properties and metadata that goes along with the data. Data in relationship instance format can be directly imported into WebSphere Process Server. You can export the relationship instance data from WebSphere Process Server in the relationship instance format which simplifies the process of migrating data from one environment to another.

## ***Summary***

This section will provide a summary of this presentation.

## Summary

- WebSphere Integration Developer relationship editor enhancements
  - Relationship editor enhanced to support import/export of relationship instance data in comma separated format
- WebSphere Process Server relationship manager enhancements
  - can import relationship instance data into WebSphere Process server in CSV and relationship instance (.ri) format
  - Relationship instance data from WebSphere Process Server can be exported into CSV or relationship instance (.ri) format

To summarize, relationship instance data migration is made simpler in version 7.0. WebSphere Integration Developer relationship editor is enhanced to support import/export of relationship instance data in comma separated format. You can now import relationship instance data into WebSphere Process server in CSV and relationship instance (.ri) format. Relationship instance data from WebSphere Process Server can be exported into CSV or relationship instance (.ri) format making migration of data from one environment to another simple



## Feedback

Your feedback is valuable

You can help improve the quality of IBM Education Assistant content to better meet your needs by providing feedback.

- Did you find this module useful?
- Did it help you solve a problem or answer a question?
- Do you have suggestions for improvements?

Click to send e-mail feedback:

[mailto:iea@us.ibm.com?subject=Feedback\\_about\\_WBPMv70\\_Rels\\_InstanceData\\_Migration.ppt](mailto:iea@us.ibm.com?subject=Feedback_about_WBPMv70_Rels_InstanceData_Migration.ppt)

This module is also available in PDF format at: [..WBPMv70\\_Rels\\_InstanceData\\_Migration.pdf](..WBPMv70_Rels_InstanceData_Migration.pdf)

You can help improve the quality of IBM Education Assistant content by providing feedback.



## Trademarks, disclaimer, and copyright information

IBM, the IBM logo, ibm.com, and WebSphere are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of other IBM trademarks is available on the Web at "[Copyright and trademark information](http://www.ibm.com/legal/copytrade.shtml)" at <http://www.ibm.com/legal/copytrade.shtml>

THE INFORMATION CONTAINED IN THIS PRESENTATION IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. WHILE EFFORTS WERE MADE TO VERIFY THE COMPLETENESS AND ACCURACY OF THE INFORMATION CONTAINED IN THIS PRESENTATION, IT IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. IN ADDITION, THIS INFORMATION IS BASED ON IBM'S CURRENT PRODUCT PLANS AND STRATEGY, WHICH ARE SUBJECT TO CHANGE BY IBM WITHOUT NOTICE. IBM SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES ARISING OUT OF THE USE OF, OR OTHERWISE RELATED TO, THIS PRESENTATION OR ANY OTHER DOCUMENTATION. NOTHING CONTAINED IN THIS PRESENTATION IS INTENDED TO, NOR SHALL HAVE THE EFFECT OF, CREATING ANY WARRANTIES OR REPRESENTATIONS FROM IBM (OR ITS SUPPLIERS OR LICENSORS), OR ALTERING THE TERMS AND CONDITIONS OF ANY AGREEMENT OR LICENSE GOVERNING THE USE OF IBM PRODUCTS OR SOFTWARE.

© Copyright International Business Machines Corporation 2010. All rights reserved.