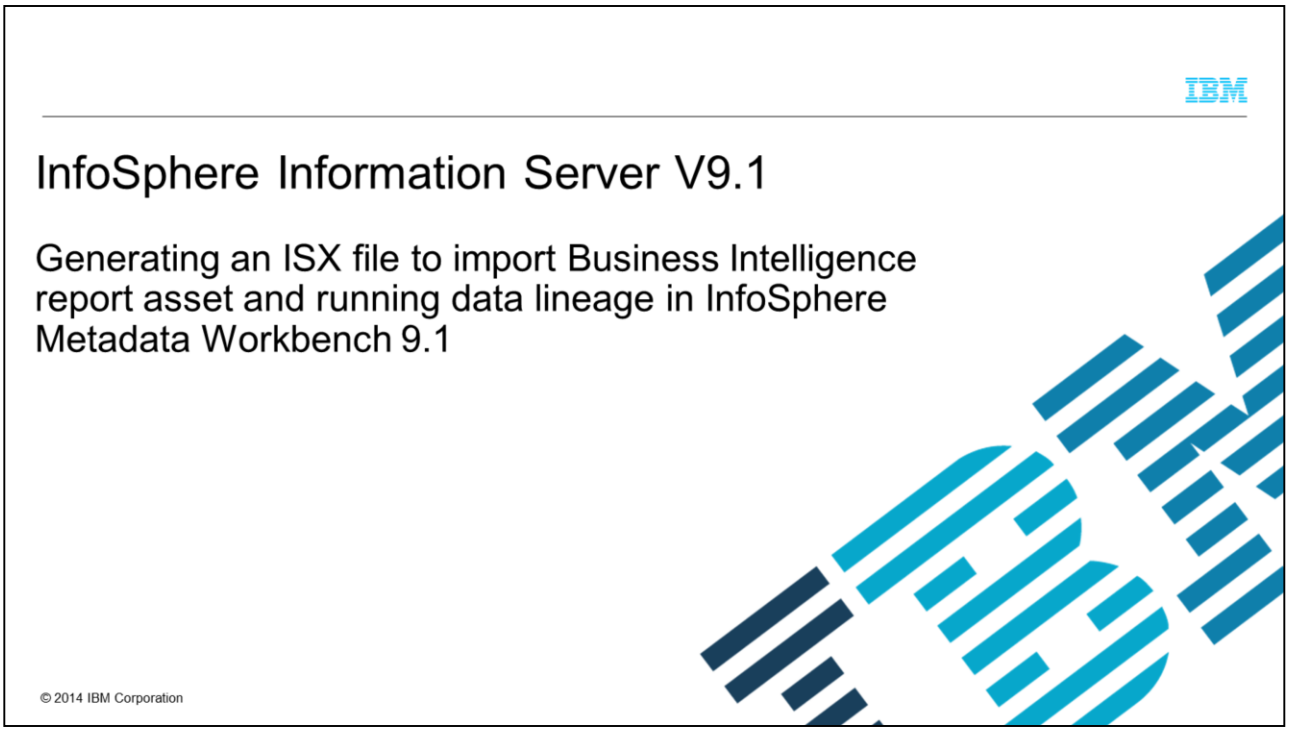

This presentation will discuss how to generate an ISX file to import Business Intelligence report asset and run data lineage in InfoSphere® Metadata Workbench 9.1.

Objectives

- Using istool workbench -generate tool to build .isx file for metadata import
- Importing .isx based metadata for Business Intelligence report by way of istool import
- Validating imported metadata in InfoSphere Metadata Workbench
- Running data lineage report using new metadata of report

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The objectives of this presentation are to use the istool workbench -generate tool to build a .isx file for the metadata import and import a .isx based metadata for the Business Intelligence report. Next, the presentation shows how to validate and run a data lineage report using the new metadata of the report in InfoSphere Metadata Workbench.

Scenario

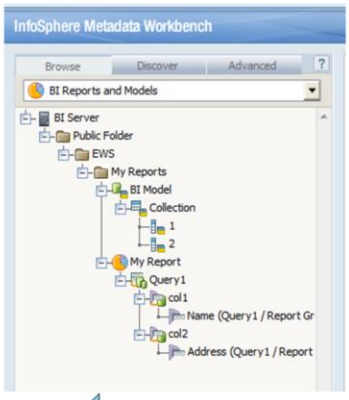
- Refer to technote 7027316

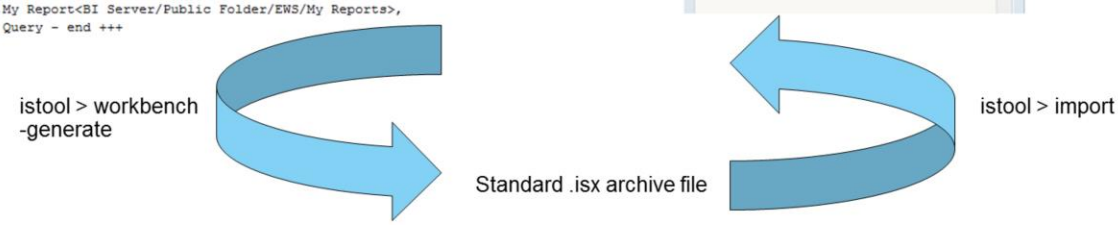
```
+++ BI Server - end +++

+++ BI Report - begin +++
Name,Server,Folder,Description
My Report,BI Server,Public Folder/EWS/My Reports,Report Description
+++ BI Report - end +++

+++ BI Report Group - begin +++
Name,Report
Report Group,My Report<BI Server/Public Folder/EWS/My Reports>
+++ BI Report Group - end +++

+++ BI Query - begin +++
Name,Report,Description
Query1,My Report<BI Server/Public Folder/EWS/My Reports>,
+++ BI Query - end +++
```





3 Generating an ISX file to import Business Intelligence report asset and running data lineage in InfoSphere Metadata Workbench 9.1 © 2014 IBM Corporation

This slide introduces a scenario in which you can import an Asset Interchange (ISX) format generated from a comma-separated value , or CSV file, and run data lineage for a Business Intelligent report.

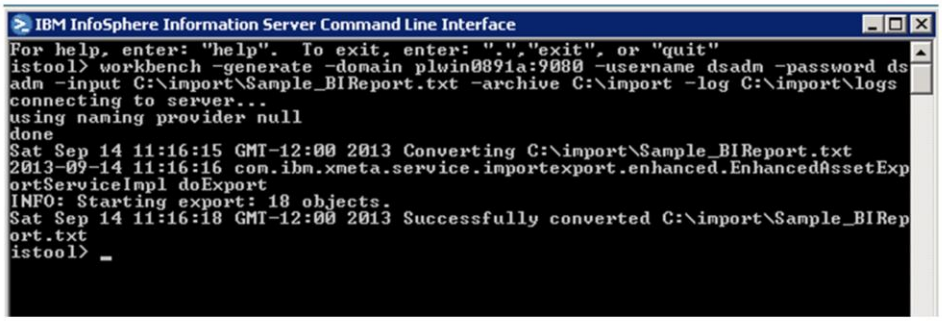
The process starts with obtaining a CSV file formatted per Technote 7027316.

Next, use the istool workbench -generate command to convert the CSV file to ISX.
Next, import the generated ISX file using the istool import command.
After the import, login to Metadata Workbench to validate ISX imported metadata.
Finally, run data lineage for Business Intelligent report.
The next slide demonstrates how to use istool workbench -generate tool to convert a CSV file to ISX.

Using istool workbench -generate to create .isx file

- Click istool icon on desktop:

- Enter command when istool> prompt opens:



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Run the istool workbench -generate command from the engine or the client tier. This command runs the generate command to create an ISX import file from the input CSV file.

A CSV file can define database, data file, or BI report assets. This file can be used as the source to generate an import file that is in an ISX Asset Interchange format. Each asset type is defined in its own section of the CSV file. Each section has a pre-defined header, footer, and row header. The BI report asset includes: BI report, BI query, BI query member, BI report field, and BI report group assets. All defined assets must be unique. If two assets have the same name and identity in the same CSV file, the istool generate command fails.

Perform .isx creation by way of the command line. At the istool prompt, type the workbench command as displayed on this slide.

The next slide demonstrates how to import metadata by way of the istool import tool.

Importing and validating .isx based metadata (1 of 2)

- After running istool workbench –generate command, you have a new .isx file

- Load an .isx into Information Server using command :

```
istool> import -domain plwin0891a:9080 -username dsadm -password dsadm -archive
C:\import\Sample_BIReport.isx -cm '' -replace
Beginning import
 [1/1]  CONTENT/db.db
Elapsed time: 00:00:05
Imported 1 assets
istool> _
```


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You can use the istool import command line interface, or CLI, to import your reporting assets from a file containing previously exported assets. These assets can include both report designs and report results.

Use the -report command parameter with the istool import command to import reports from an archive that contains previously exported assets.

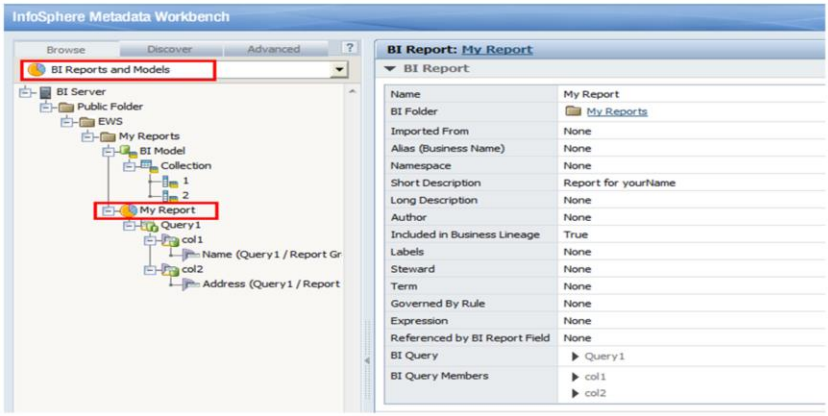
To import a report or report results, you must have the role of Suite Administrator, or have read permissions for the template that the report is based on. After the import, you are the owner of that report and have administration, read, and write permissions.

Import from the istool command line using the command displayed on this slide.

The next slide demonstrates how to validate the imported metadata in InfoSphere Metadata Workbench.

Importing and validating .isx based metadata (2 of 2)

- Log into Metadata Workbench and explore your new metadata
  - Review "BI Reports and Models" (pull-down options on left)
  - Click directly on table and report names to see their details on right



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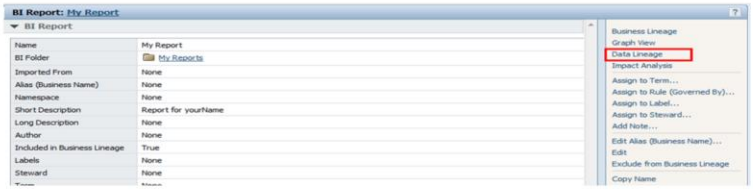
Login to InfoSphere Metadata Workbench to explore your new data. The default location to access the application is : http://IISServerName:9080/workbench.

Review "BI Reports and Models“. Next, click directly on table and report names to see their details on the right.

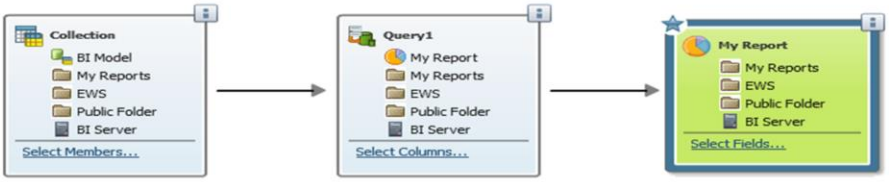
The next slide demonstrates how to run data lineage for the new imported Business Intelligence report asset.

Data Lineage for the Business Intelligence Report

- Click "Data Lineage" to view details of report



- Resulting lineage diagram displays



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Click Data Lineage in InfoSphere Metadata Workbench to view the resulting lineage diagram.

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