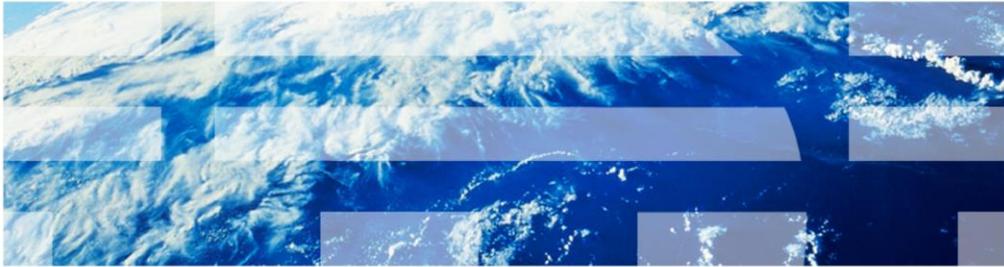


InfoSphere Information Server

How to create a new Information Analyzer Analysis Engine and configure Information Analyzer to use the new engine



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This presentation will explain how to create a new Information Analyzer Analysis Engine and configure Information Analyzer to use the new engine.

Objectives

- Overview
- Create new DataStage® Project
- Configure Information Analyzer to use the new DataStage project as its analysis engine
- Restore system settings for the project level analysis engine tab

The objectives of this presentation are to show how to create a new Analysis Engine Project for Information Analyzer, also referred to as IA®. This involves using the DataStage Administrator Client and the Information Server Console to configure the properties for the Analysis Engine. Finally, it will discuss the use of restore system settings for the project level Analysis Engine tab.

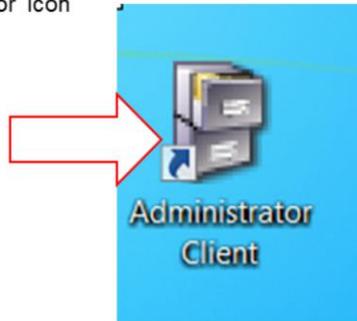
Overview

- IA uses PX Engine of DataStage
- Use DataStage Administrator to create DataStage project
- Configure IA for new DataStage Project

IA uses the parallel engine of the DataStage system. To do so, it uses the DataStage processing and a DataStage project for its Analysis Engine. If problems arise in running jobs in IA, it may be useful to create a new DataStage project and test against the new project. The process is to create the new DataStage project with the DataStage Administrator Client. Then configure IA to use the newly created project.

Starting DataStage Administrator Client

- Double click the Administrator icon



The first step is to open the DataStage Administrator Client. Double click the DataStage Administrator Client icon on the desktop or go to Start->Programs->IBM Information Server->IBM WebSphere® DataStage and QualityStage Administrator.

Log in to DataStage Administrator Client

- Services tier
- User name
- Password
- Server engine

Attach to DataStage

IBM

IBM® InfoSphere™ DataStage® and QualityStage

Version 8.7

Host name of the services tier:
ipsvm00076.swg.usma.ibm.com:9081

User name:
/tmherita

Password:

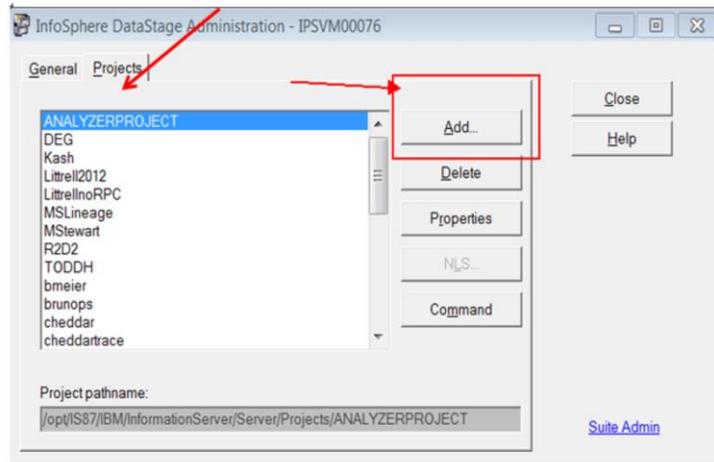
Host name of the Information Server engine:
IPSM00076

Login Cancel

Be sure to select the correct services tier and Information Server Engine for the IA system. Add the username and password for a DataStage Administrator user.

Adding a project (1 of 3)

- Click Projects tab
- List of Current Projects
- Click Add button



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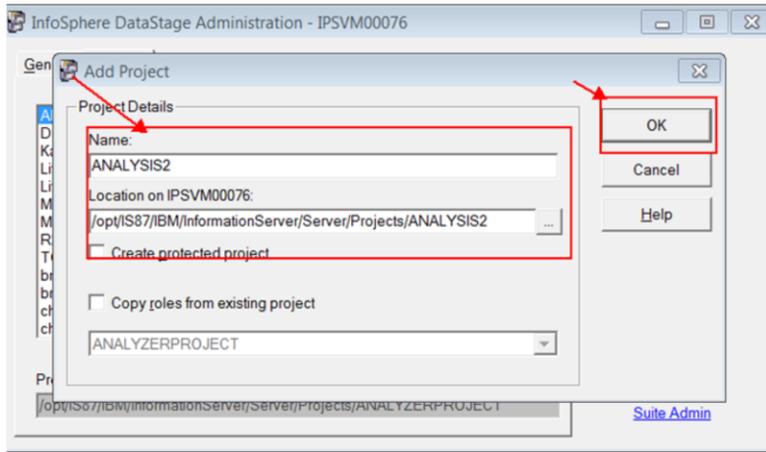
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Next, click the Projects tab. The Administrator Client lists the current DataStage engine projects on the system. Click the Add button.

Adding a project (2 of 3)

- Enter name
- Confirm location (file system path)



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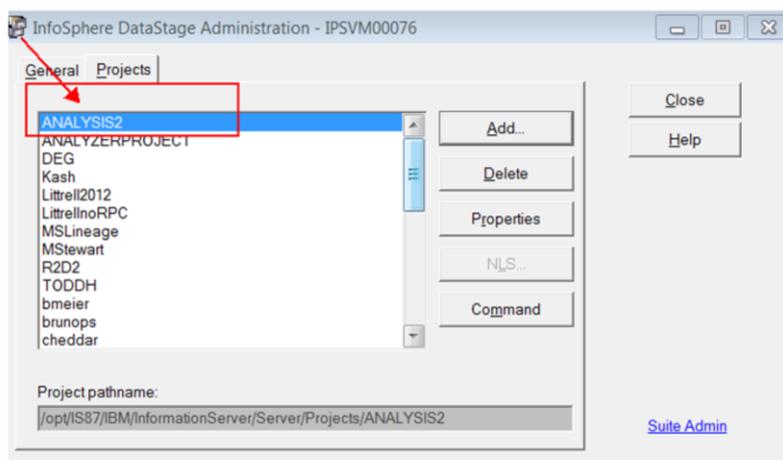
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Enter the new name for the new project. In the example displayed on this slide, the name is ANALYSIS2. Confirm that the location is correct for the system configuration. Once the information is confirmed, click OK.

Adding a project (3 of 3)

- ANALYSIS2 shows in projects list



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Once the new project is created, the DataStage Administrator Client will refresh and display the newly created project, ANALYSIS2, in the list of available projects on the system. This completes the steps within the DataStage Administrator. Click Close to exit the Administrator Client.

Information Analyzer configuration

- Home->Configuration->Analysis Settings
- Change DataStage Project
- Confirm DataStage Username and DataStage Password
- Validate Settings

IBM InfoSphere Information Server

File Edit View Help

NO PROJECT SELECTED

HOME My Home * Analysis Settings

Analysis Engine Analysis Database Analysis Settings

Specify Analysis Engine

Host: *
IPSV400076

Port: *
31538

DataStage Project: *
ANALYSIS2

Array Size: *
2,000

DataStage Credentials

Use static DataStage credentials

DataStage Username: *
mdolce

DataStage Password: *

Validate Settings

Retain Scripts:
 Yes No

Update Existing Tables by Default

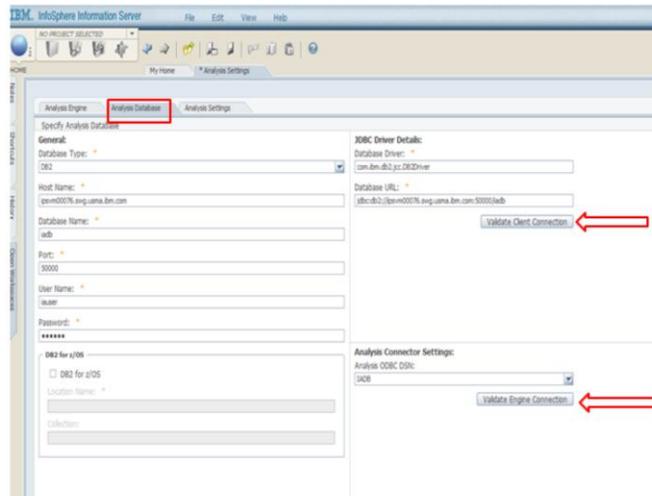
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Next, open the Information Server Console and navigate to Home->Configuration->Analysis Settings. On the Analysis Engine tab, update the information in the DataStage Project entry box to the newly created project name ANALYSIS2.

Confirm the DataStage username and password and click the Validate Settings button. This should not return any errors.

Global Analysis Database properties

- Validate Client Connection
- Validate Engine Connection



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Next, click the Analysis Database tab. Confirm the information for the Analysis database connection is correct, Database Type, Host Name, Database Name, and so on. Using the buttons to the right, validate the Client Connection and the Engine Connection.

IA Project Level Analysis Engine properties

- Open an IA project of Interest
- Overview->Project Properties
- Analysis Engine tab
- Review properties
- Validate Settings

The screenshot shows the 'Specify Analysis Engine' configuration page in the IBM InfoSphere Information Server. The 'Analysis Engine' tab is selected. The page includes the following fields and options:

- Host:** PPSVM00076
- Port:** 31538
- DataStage Project:** ANALYSIS2
- Array Size:** 2000
- DataStage Credentials:**
 - Use static DataStage credentials
 - DataStage Username:** mdoke
 - DataStage Password:** *****
- Buttons:** Restore System Settings, Validate Settings
- Options:**
 - Inherit the Global Analysis Engine Settings
 - Yes (for Retain Scripts)
 - Update Existing Tables by Default

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Next, open the IA project of interest. Navigate to Overview-Project Properties. Select the Analysis Engine tab. Review the properties for the Analysis Engine settings and validate the settings. Validation should return no errors.

Project Level Analysis Database settings

- Confirm Project Level Analysis Database settings

The screenshot shows the 'Analysis Database' tab in the Project Properties dialog. The 'Inherit Global Analysis Database Settings' checkbox is checked. The 'General' section contains fields for Database Type (DEJ), Host Name (ipm00258.avg.usma.ibm.com), Database Name (adb), Port (50000), User Name (ibuser), and Password (masked). The 'JDBC Driver Details' section includes Database Driver (com.ibm.db2.jcc.D62Driver) and Database URL (jdbc:db2://ipm00258.avg.usma.ibm.com:50000/adb). The 'Analysis Connector Settings' section shows Analysis ODBC DSN (IADB). The 'Analysis Database as Project Data Source' section is checked and includes Host Name (IPM00258) and Data Source Name (IADB101). Red boxes and arrows highlight the 'Inherit Global Analysis Database Settings' checkbox, the 'Validate Client Connection' button, and the 'Validate Engine Connection' button.

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Review the Properties for the project level on the Analysis Database tab, confirming the database type, host name, database name, port, user name and password. Validate the client connection and the engine connection. Validation should return no errors.

Restore system settings

- Click Restore System Settings
- Review information
- Click Validate Settings

The screenshot shows the 'Analysis Engine' tab in the 'Project Properties' dialog. The 'Analysis Engine' tab is highlighted with a red box. Below it, the 'Specify Analysis Engine' section contains a help icon and a text box. The 'Inherit Global Settings' section has a checkbox for 'Inherit the Global Analysis Engine Se'. The 'Host' field is a dropdown menu with 'IPSIW00076' selected. The 'Port' field is a text box with '11538'. The 'DataStage Project' field is a text box with 'ANALYZERPROJECT'. The 'Array Size' field is a text box with '2000'. The 'DataStage Credentials' section has a checked checkbox for 'Use static DataStage credentials'. Below it are fields for 'DataStage Username' (with 'indice') and 'DataStage Password' (with '*****'). At the bottom, there are two buttons: 'Restore System Settings' and 'Validate Settings', both highlighted with red boxes and red arrows. Below the buttons are radio buttons for 'Retain Scripts' (set to 'Yes') and a checkbox for 'Update Existing Tables by Default'.

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Now that the system is validated, if changes are needed to existing projects to use the new Analysis Engine, this can be done without typing in the information by using the Restore System Settings button.

From the project level Analysis Engine tab, click the “Restore System Settings” button and wait while it repopulates the properties from the global settings. When the properties are refreshed, review to confirm the settings. Be sure to Validate Settings and Save.

IA is now configured to use the new Analysis Engine.

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