Configuring Destinations, SLD Technical Systems, Web Dynpro Content Administrator in CE

Applies to:

Composition environment (CE).

Summary

In this article we will be looking at how to configure an existing SLD to a CE Server using NetWeaver Administration (NWA) and creating JCo Destinations for Web Dynpro Adaptive RFC Models.

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What is Adaptive RFC Model?

In the Web Dynpro application, you will connect to the remote SAP system, the backend, using an **adaptive RFC model**. To access database tables, you can make use of existing functions in the form of RFC function modules. For each function module that you need, the system generates a corresponding Java proxy class. All the generated proxy classes and interface are bundled together in the RFC model and treated as part of your Web Dynpro project.

What is SLD?

The System Landscape Directory is a central repository of information about software and systems in the data center, expressed in a standard schema called the Common Information Model, or CIM.

Launching SLD

http://<host>:<port>/sld

Ex: http://localhost:50000/sld

What is NWA?

A powerful administration, configuration and monitoring tool, which bundles key administrative tasks to keep your SAP NetWeaver system landscape running. SAP NetWeaver Administrator (NWA) can be used in a central or local scenario.

Launching NWA

http://<host>:<port>/nwa

Ex: http://localhost:50000/nwa

What is Content Administration?

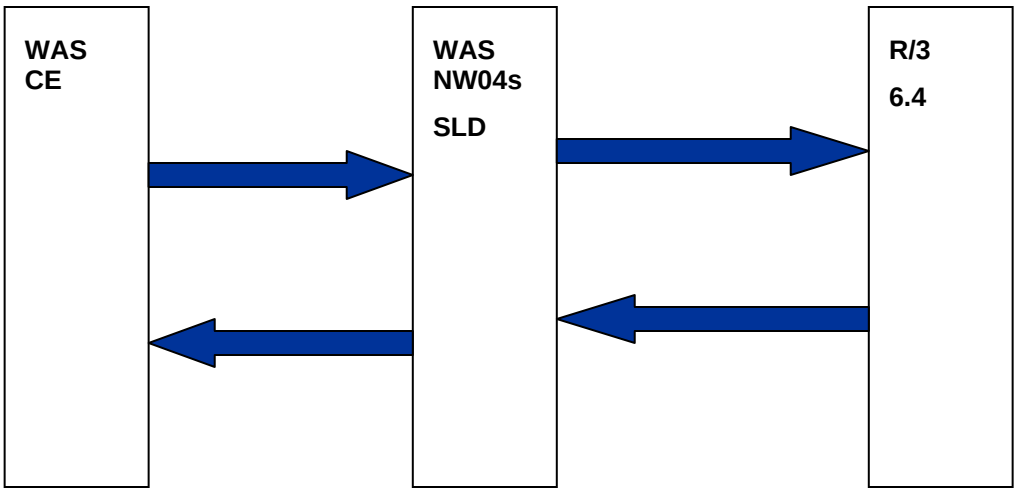
This tool can be used for administration of the Web Dynpro contents you have deployed to the J2EE Engine. If you are using the adaptive RFC model, the tool for application development is used to maintain the JCo destinations and can be seen as an enhancement to the Visual Administrator tool.

Launching Webdypro Content Administration

http://<host>:<port>/ Web Dynpro/welcome/Welcome.jsp

Ex: http://localhost:50000/Web Dynpro/welcome/Welcome.jsp

Landscape Diagram



Configuration needed at the CE system to connect to SLD

We need to create two HTTP Destinations

1) SLD_Client
2) SLD_Supplier

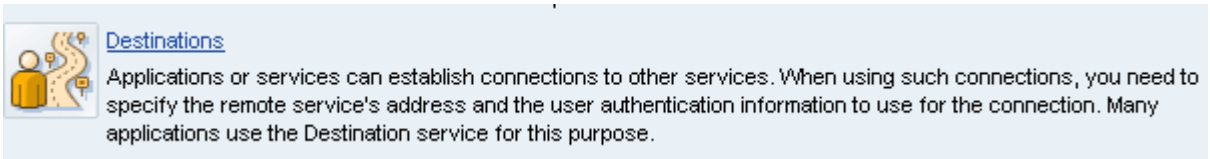
Further reading related with the same
http://help.sap.com/saphelp_nw70/helpdata/EN/43/da21ba13660aa5e10000000a1553f6/frameset.htm

Steps to create HTTP Destinations using NWA (NetWeaver Administration)

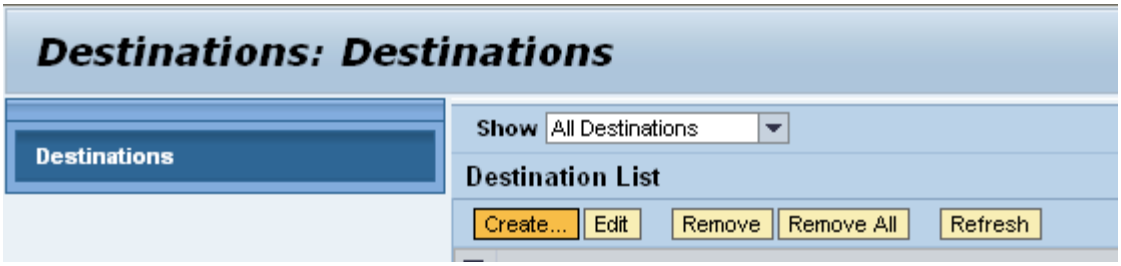
Launch NWA using the following URL http://<host>:<port>/nwa

http://localhost:50000/nwa

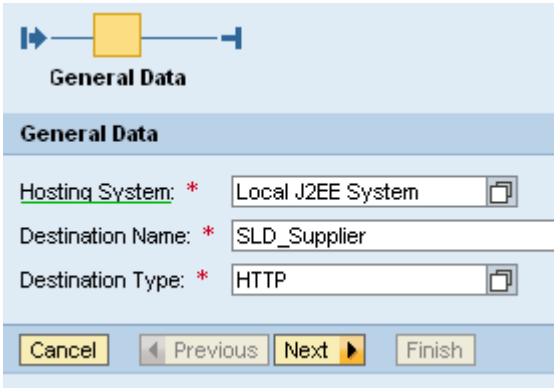
Select Configuration Management -> Infrastructure->Destinations



Click on create button

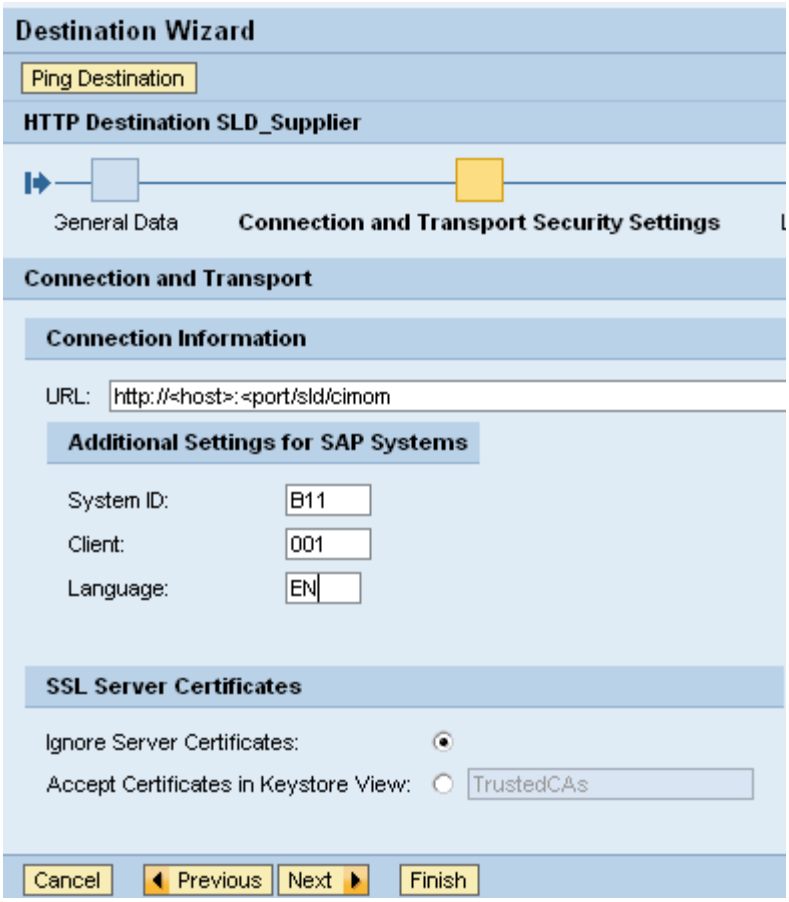


Provide following details



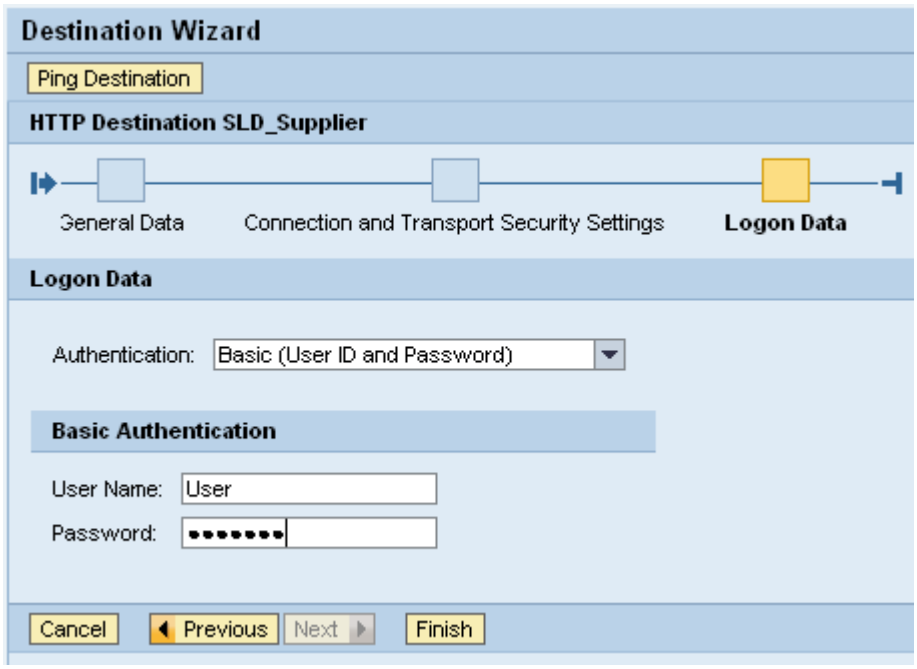
Click Next

Enter the URL of your SLD and system details



Click Next

Provide details of Authentication



Click on Ping Destination and make sure that you are able to connect to the Destination.

Click on Finish

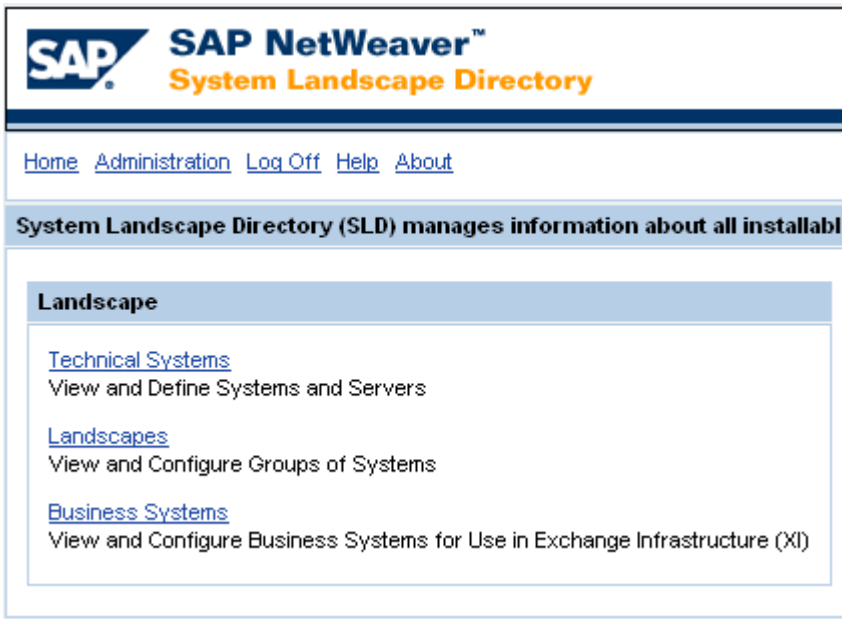
Similarly create one more HTTP Destination named SLD_DataSupplier

Testing SLD Connections

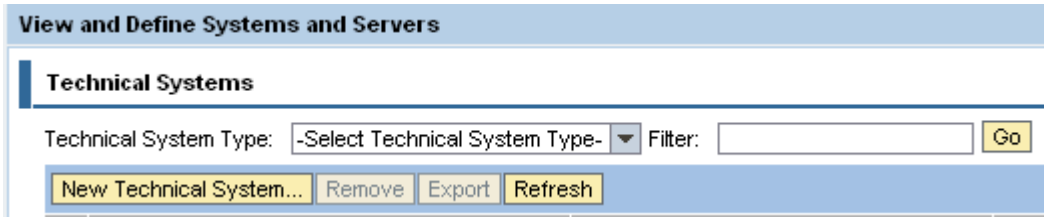
Creating Technical System using SLD

Login to sld using http://<host>:<port>/sld

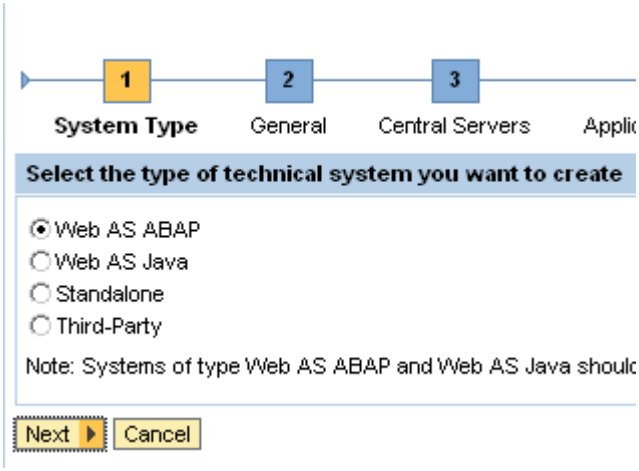
http://localhost:50000/sld



Click on Technical Systems

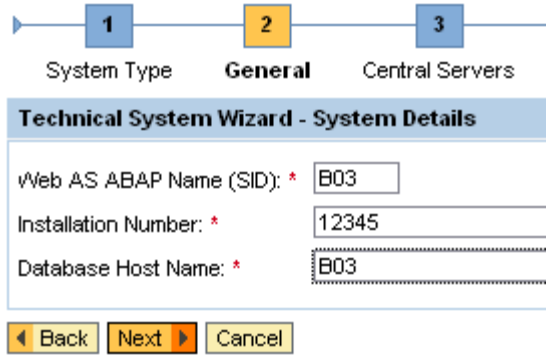


Click on New Technical System



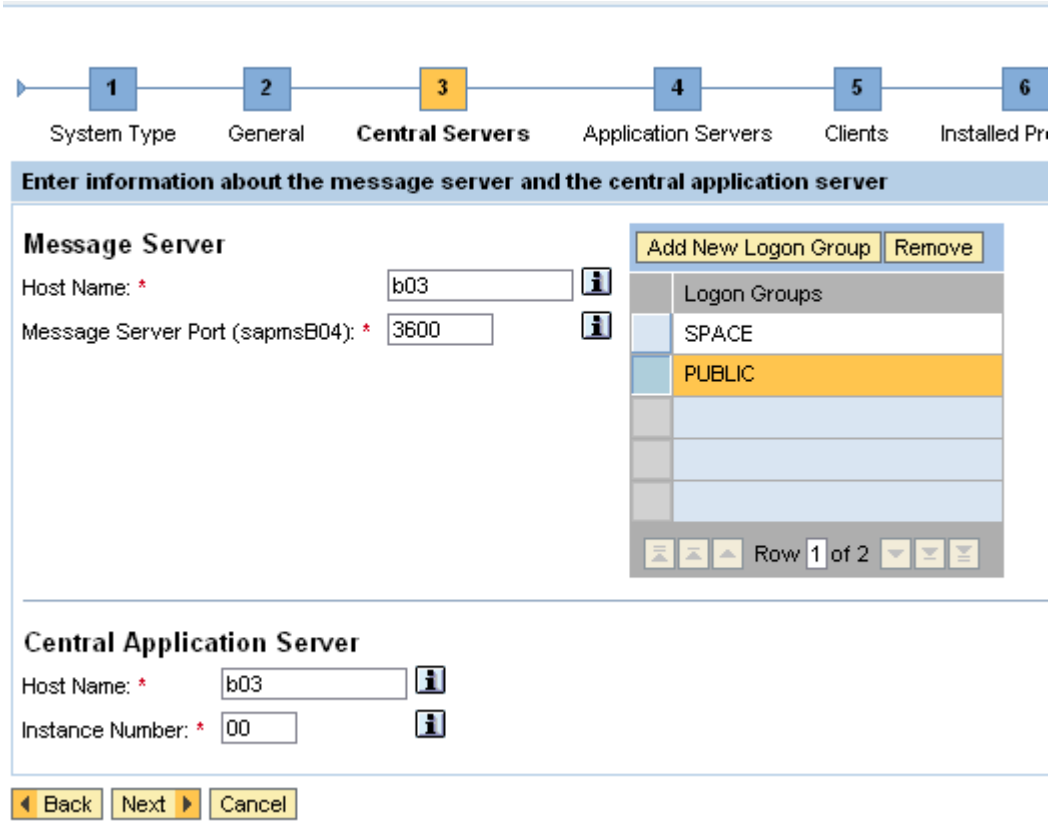
Select Web AS ABAP

Click Next

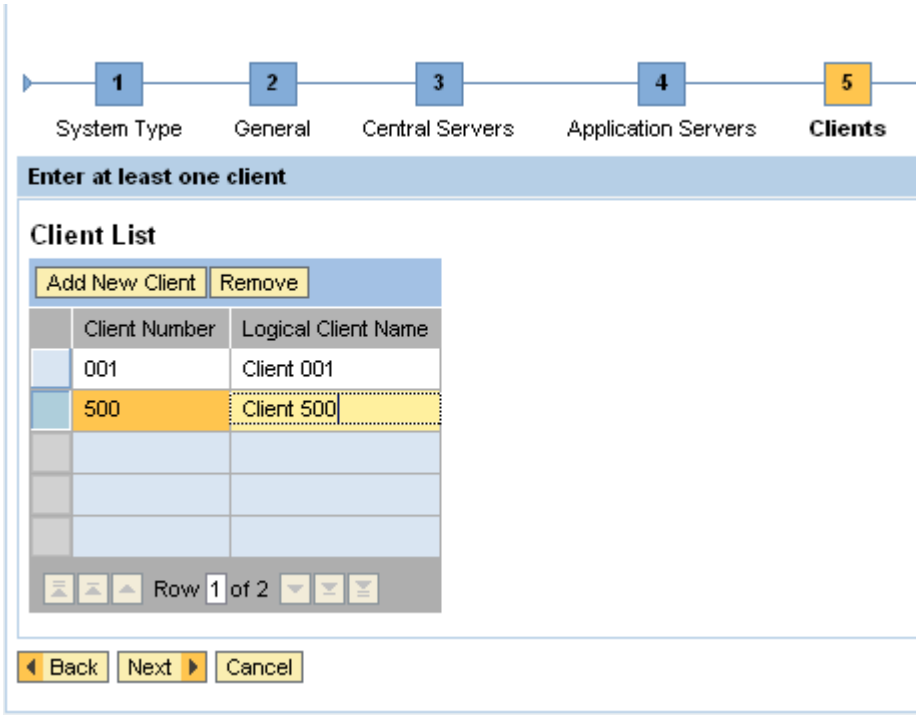


Enter above details based on your R/3 or ECC system.

Click Next

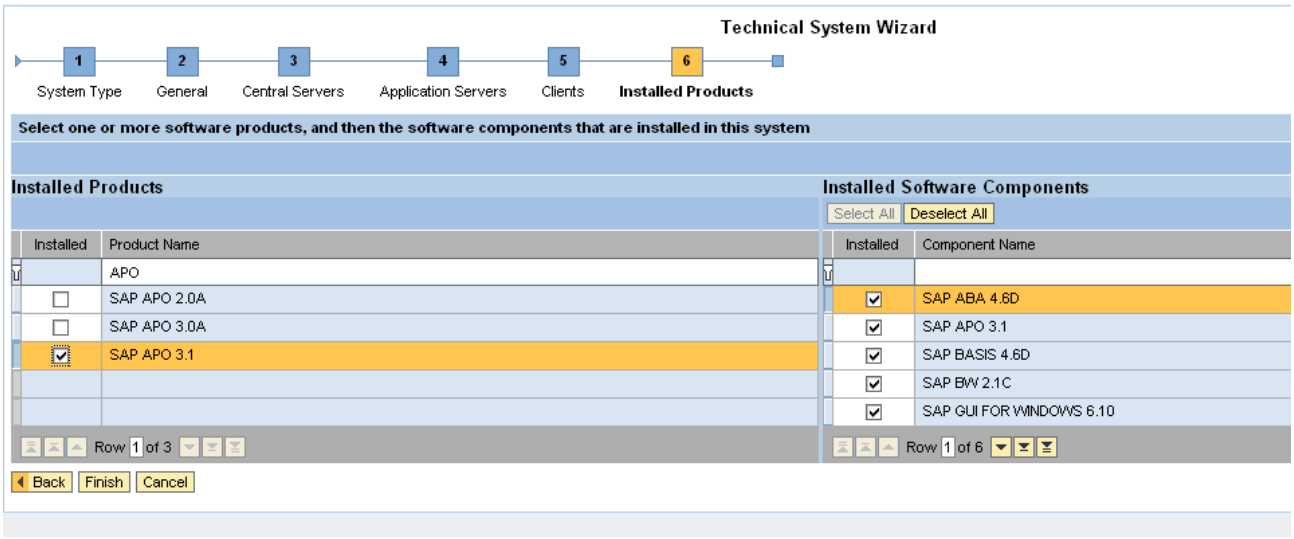


If you have additional application servers you can add them in step4 this is optional



Enter client details

Click Next



Select the Products and Software Components

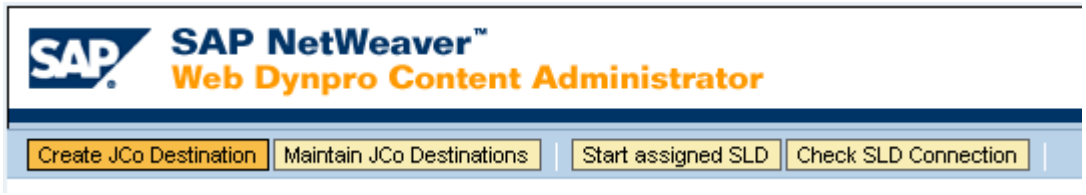
Click Finish

Creating JCo Destination using Web Dynpro Content Administrator

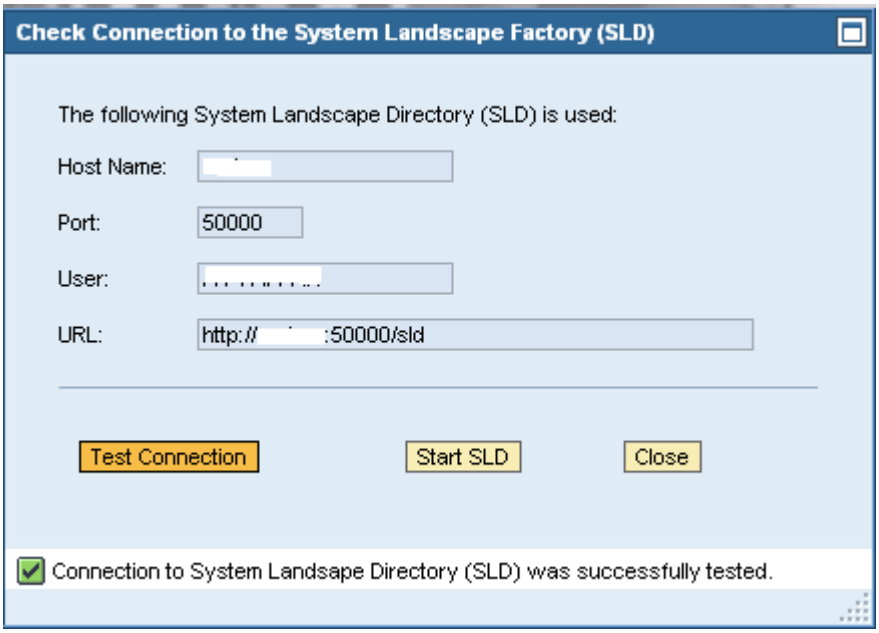
Use the following URL to access content administrator http://<host>:<port>/Web Dynpro/welcome/Welcome.jsp

http://localhost:50000/Web Dynpro/welcome/Welcome.jsp

Testing the SLD

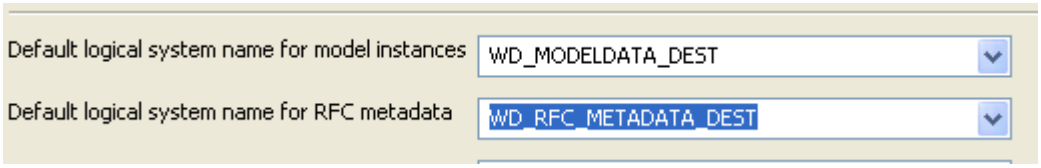


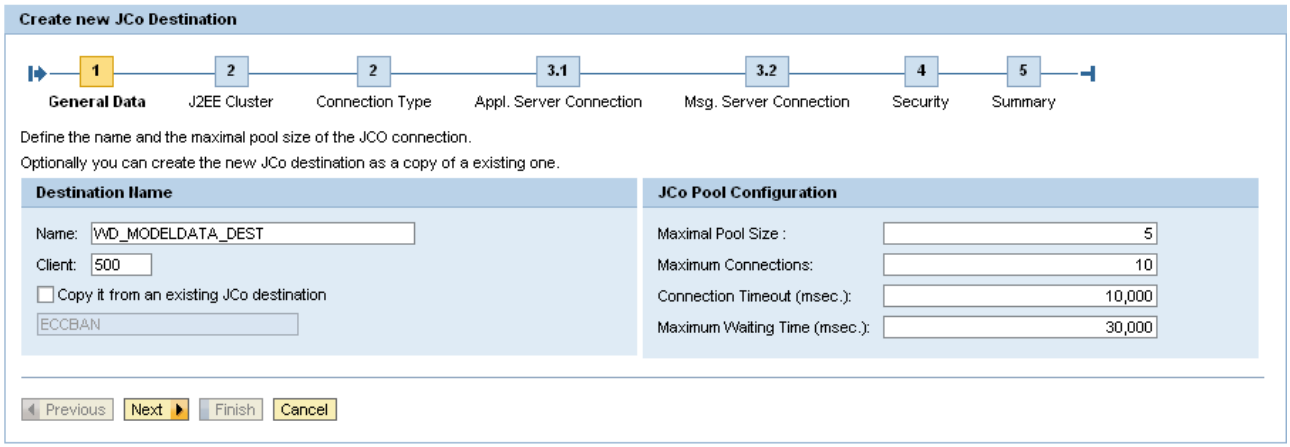
Click on Check SLD Connection to check your SLD



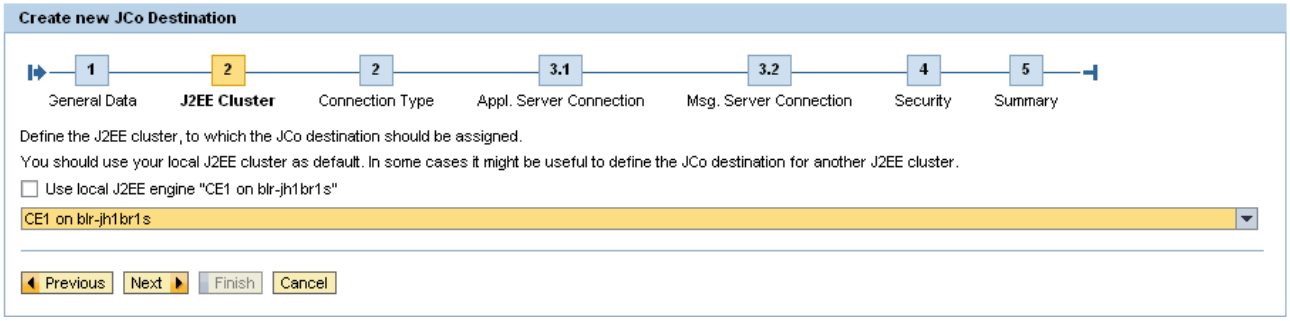
Creating new JCo Destination

Ideally when we create Adaptive RFC models following names will be available by default for data and metadata.

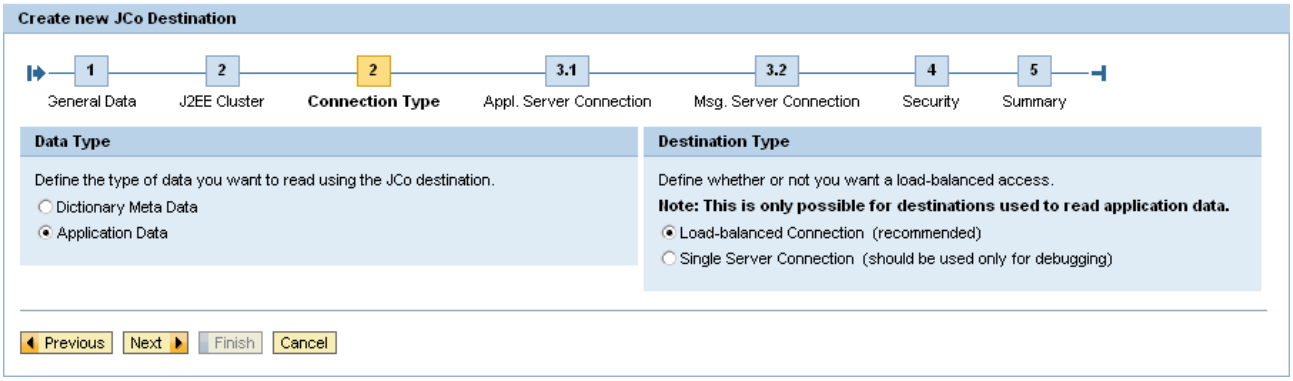




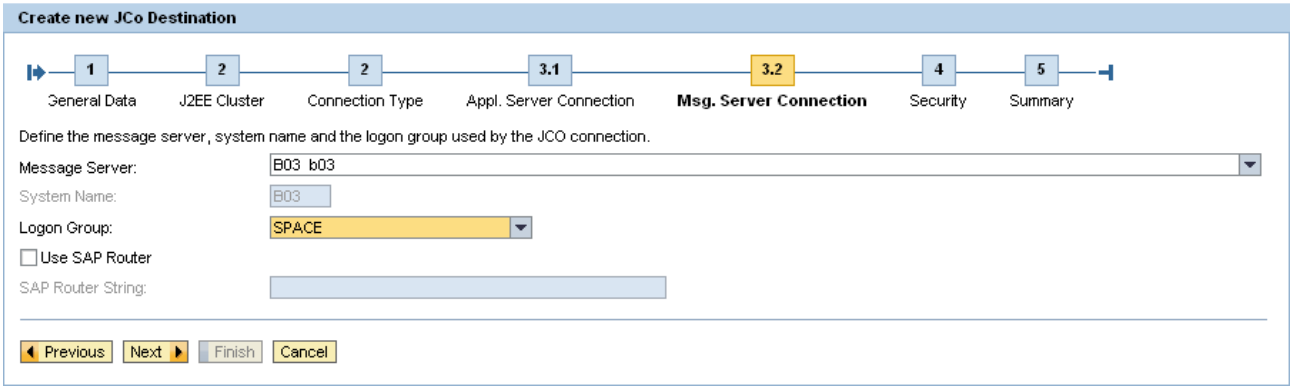
Click Next



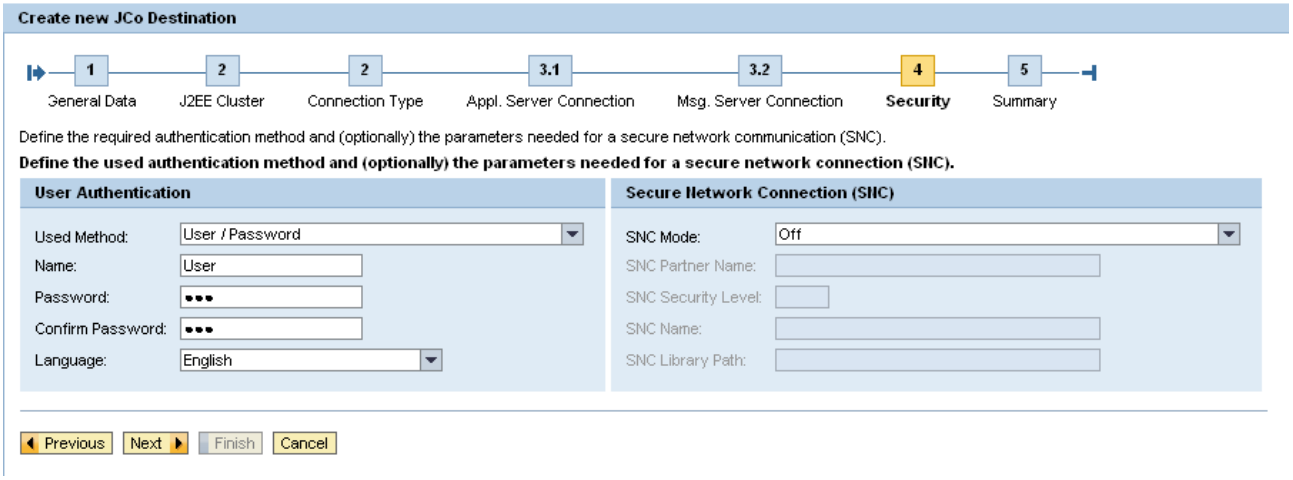
Click Next



Select Application Data

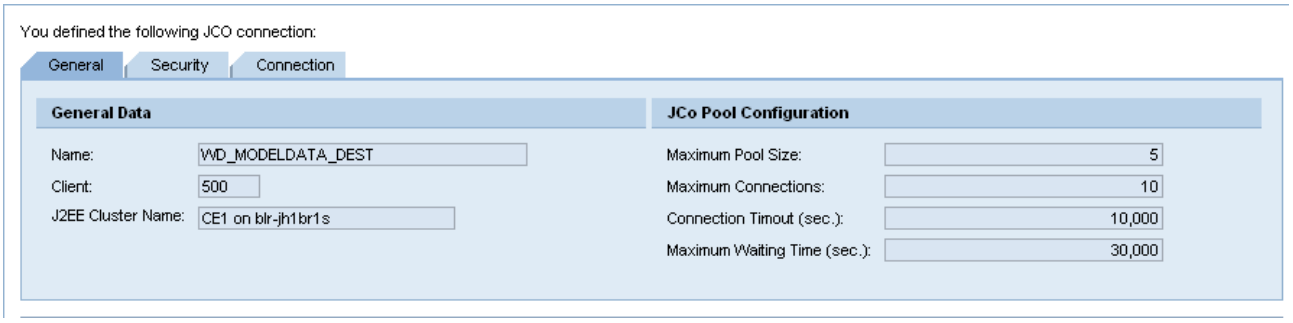


Select the Server which you want to connect. These details are coming from the SLD.



Provide the required Credentials.

Click Next



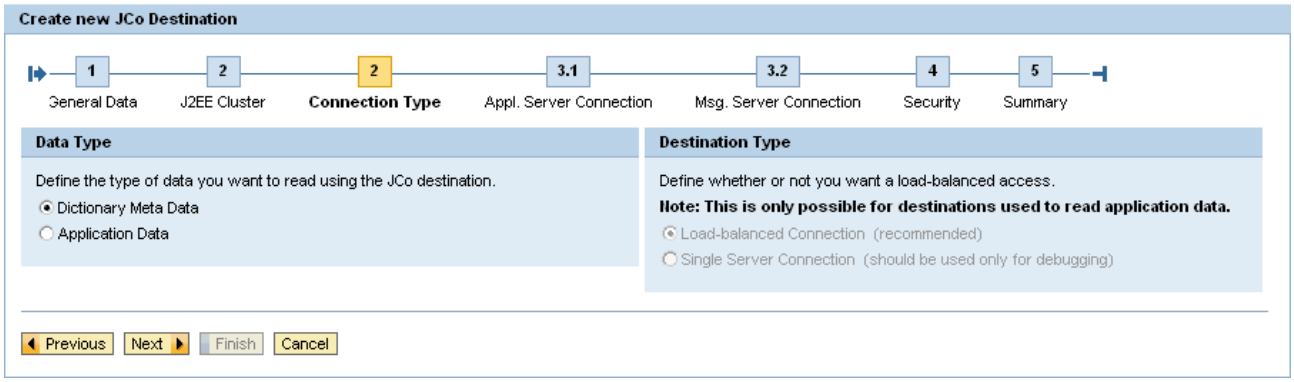
Above is the summary of the configuration

Click Finish

Creating Meta Data Destination

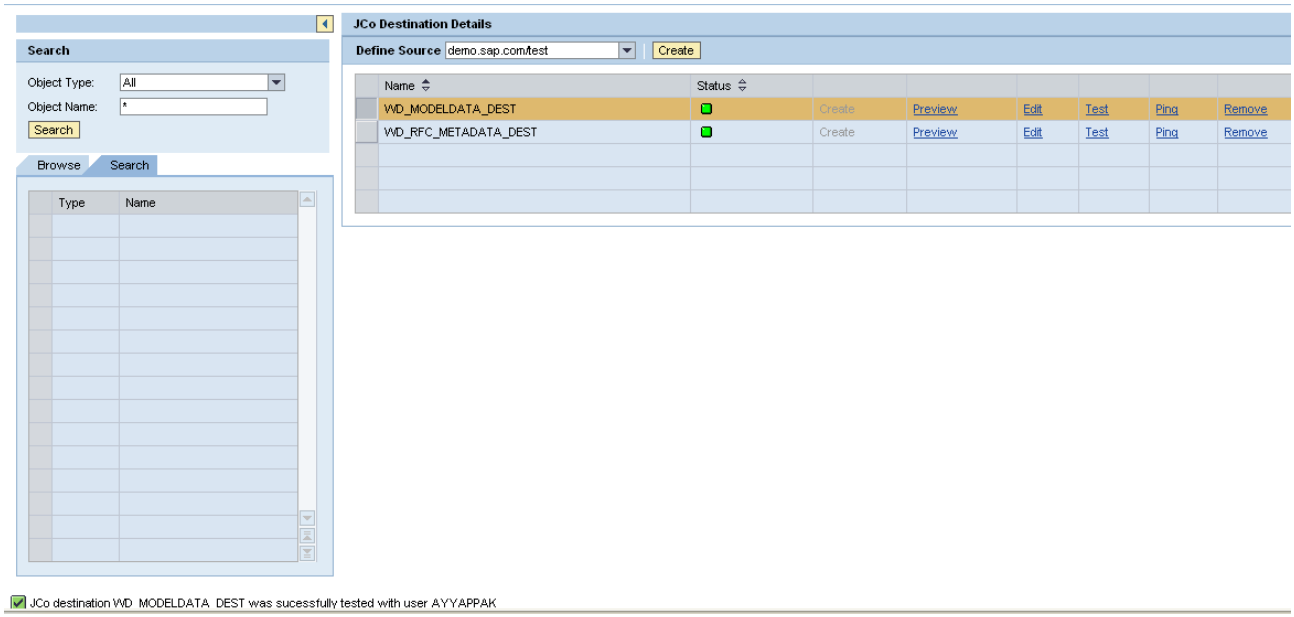
Similar to the steps what we have followed above we need to create another Destination for the metadata.

While creating metadata destination at the connection type selection phase make sure that **Dictionary Meta Data** is selected.



Testing JCo Destination

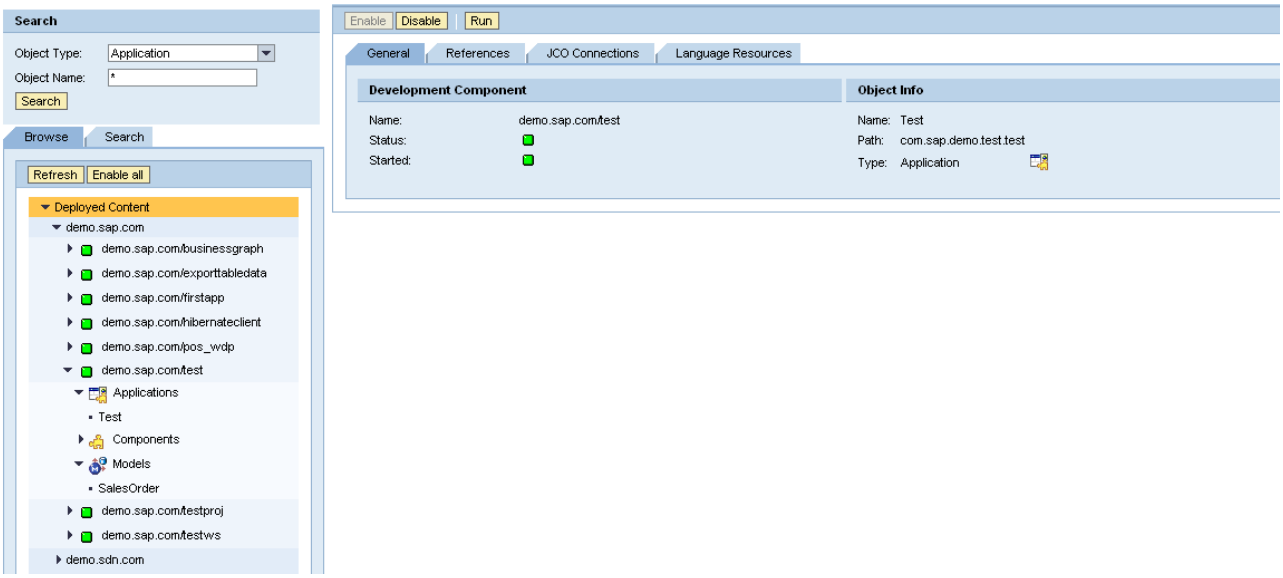
Click on the ping to check that you are able to reach the system, if that is success click on the Test to check the connection to the configured SAP system.



Test JCo connection using Web Dynpro application

Test any application that uses the JCo Connections defined using the following screen

Click on Run to launch your application


Search
Object Type:
Application
Object Name:
*
Search
Browse
Search
Refresh
Enable all
Deployed Content
demo.sap.com
demo.sap.com/businessgraph
demo.sap.com/exporttabledata
demo.sap.com/firstapp
demo.sap.com/hibernateclient
demo.sap.com/pos_wdp
demo.sap.com/test
Applications
Test
Components
Models
SalesOrder
demo.sap.com/testproj
demo.sap.com/testws
demo.sdn.com
Enable
Disable
Run
General
References
JCO Connections
Language Resources
Development Component
Name:
demo.sap.com/test
Status:
Started:
Object Info
Name:
Test
Path:
com.sap.demo.test.test
Type:
Application

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