Capgemini

SAP BASIS Introductory Training Program

Day 12 : Agenda

- Landscape Concept
- SLD Concept
- SLD Administration
- Updating SLD
- Adding ABAP Systems to SLD
- Adding JAVA Systems to SLD
- Break
- Exercise & Questions

Landscape Concept

Basic Concepts of a landscape in SLD

Server?

Database ?

SAP Product ?

Instance ?

SAP Landscape ?

Basic Concepts of a landscape in SLD

Server?

Server represents the physical hardware components of an SAP System and is usually represented by a hostname.

Database ?

A database is an organized collection of data. There are various database software supported by SAP.

E.g.:- Oracle, SAP HANA, SQL Server, etc.

SAP Product ?

There are various products that are provided by SAP that handle various business processes.

E.g.:-

CRM, SRM, ECC, Solution Manager, etc.

SAP Landscape ?

SAP Landscape contains many systems that together work for various tasks in SAP.

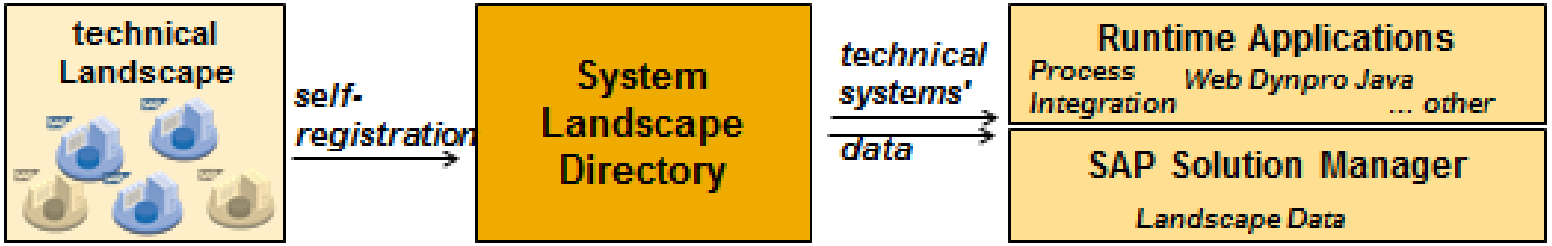
E.g.:- One Tier, Two Tier, Three Tier, etc.

Instance ?

An SAP instance defines a group of resources such as memory, work processes and so on, usually in support of a single application server or database server within a client/server environment.

SLD Concept

Concept of SLD (System Landscape Directory)



The System Landscape Directory of SAP Netweaver (SLD) serves as a central information repository for your system landscape. A system landscape consists of a number of hardware and software components that depend on each other with regard to installation, software updates, and demands on interfaces

System Landscape Directory (SLD) is a component of SAP Netweaver and is completely implemented with Java technology.

SLD provides us with complete landscape information and allows us to maintain the systems information in a central location.

Why SLD ?

What it does ?

- Collects Data about the systems in the landscape
- Maintains software catalog
- Helps in maintaining Development Namespace Reservations
- Proves to be a central repository for the landscape information

How to access SLD ?

- Using T-Code
  - sldcheck (We can not only use this T-Code for accessing the SLD but also use it to check the configuration of SLD in a system)
- Using URL
  - http://<HOSTNAME>:5<XX>00/sld

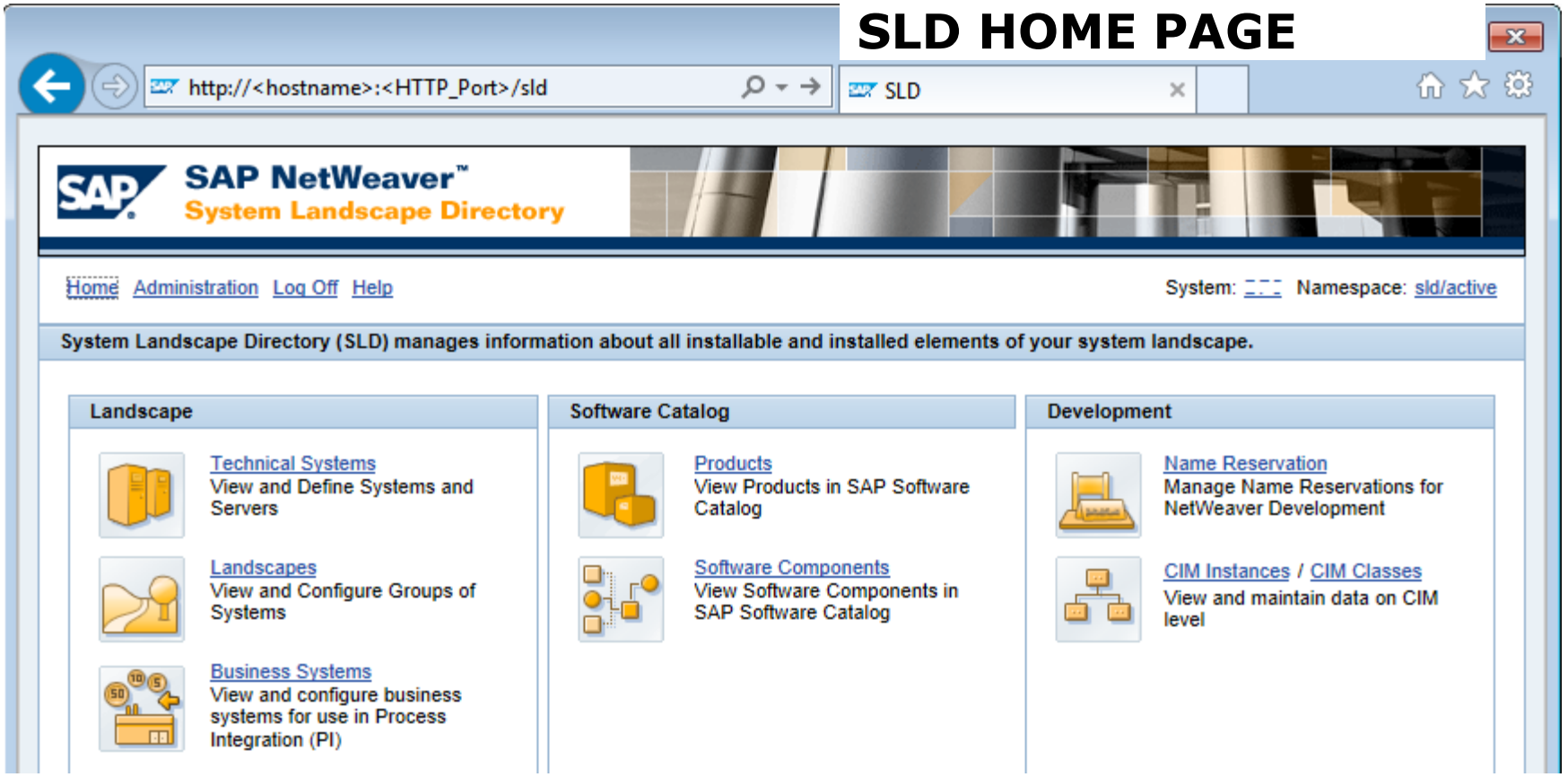
Which systems need SLD ?

- Solution Manager, PI / XI

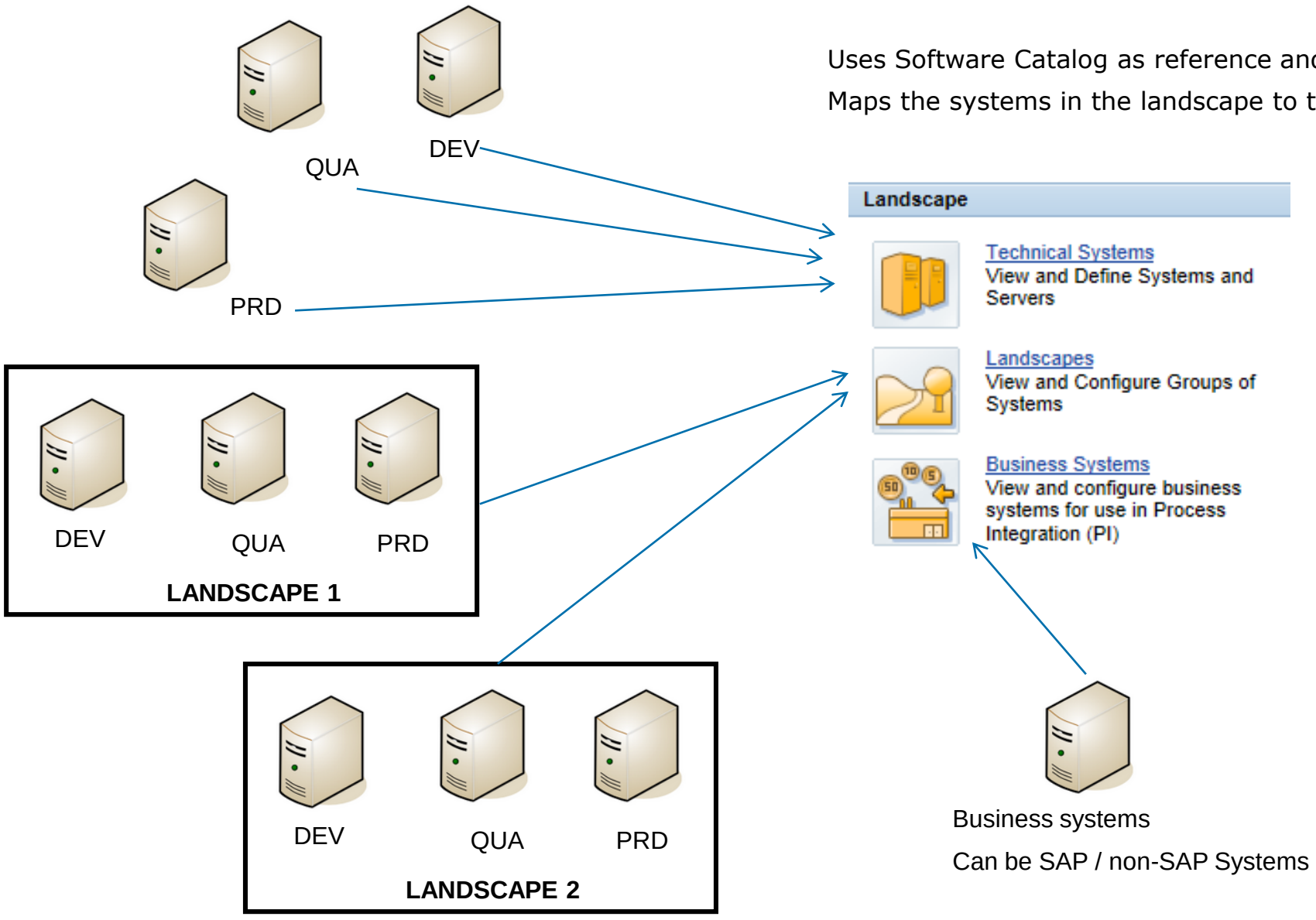
Accessing the SLD

SLD can be accessed using the following URL. Input the hostname of the SLD and the HTTP Port in the URL mentioned below. Use the SLD Administrator user credentials to login.

http://<hostname>:<HTTP_Port>/sld



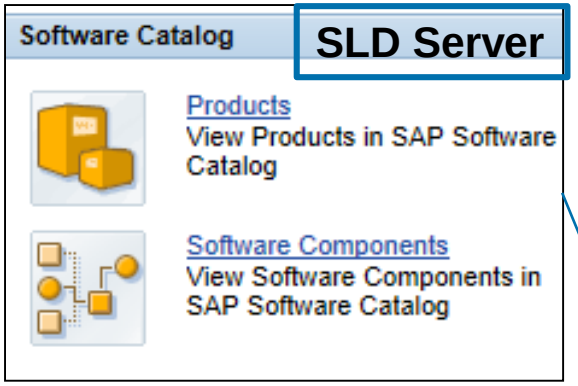
Landscape in SLD



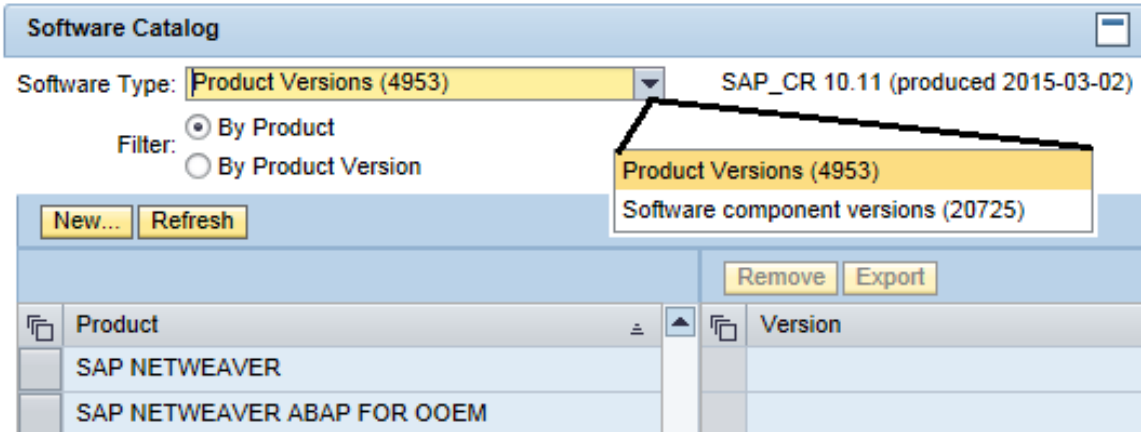
Uses Software Catalog as reference and

Maps the systems in the landscape to the products

Software Catalog in SLD



Software Catalog works as a reference and maps the systems in the landscape to the products



Development in SLD

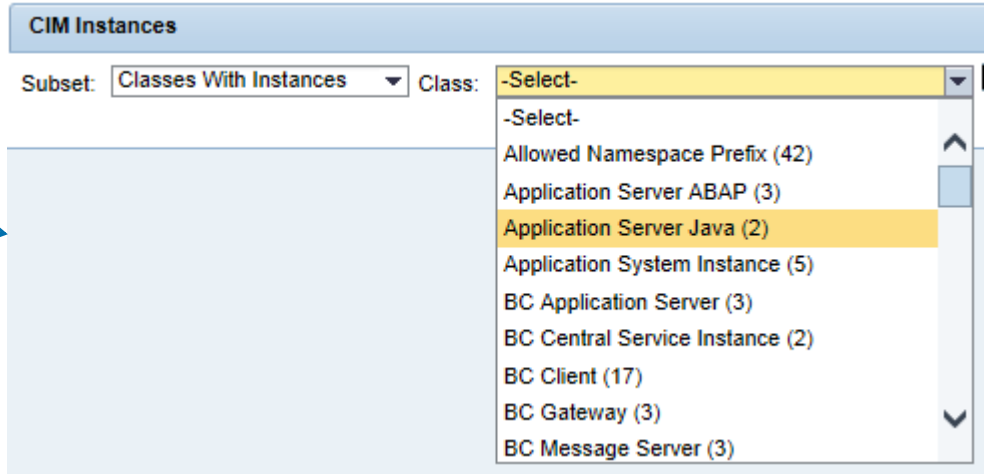
Uses Software Catalog as reference and

Maps the systems in the landscape to the products

Reserving names of development objects in a landscape centrally from one single location so that no two objects are created with the same name in a landscape.

Types of Objects

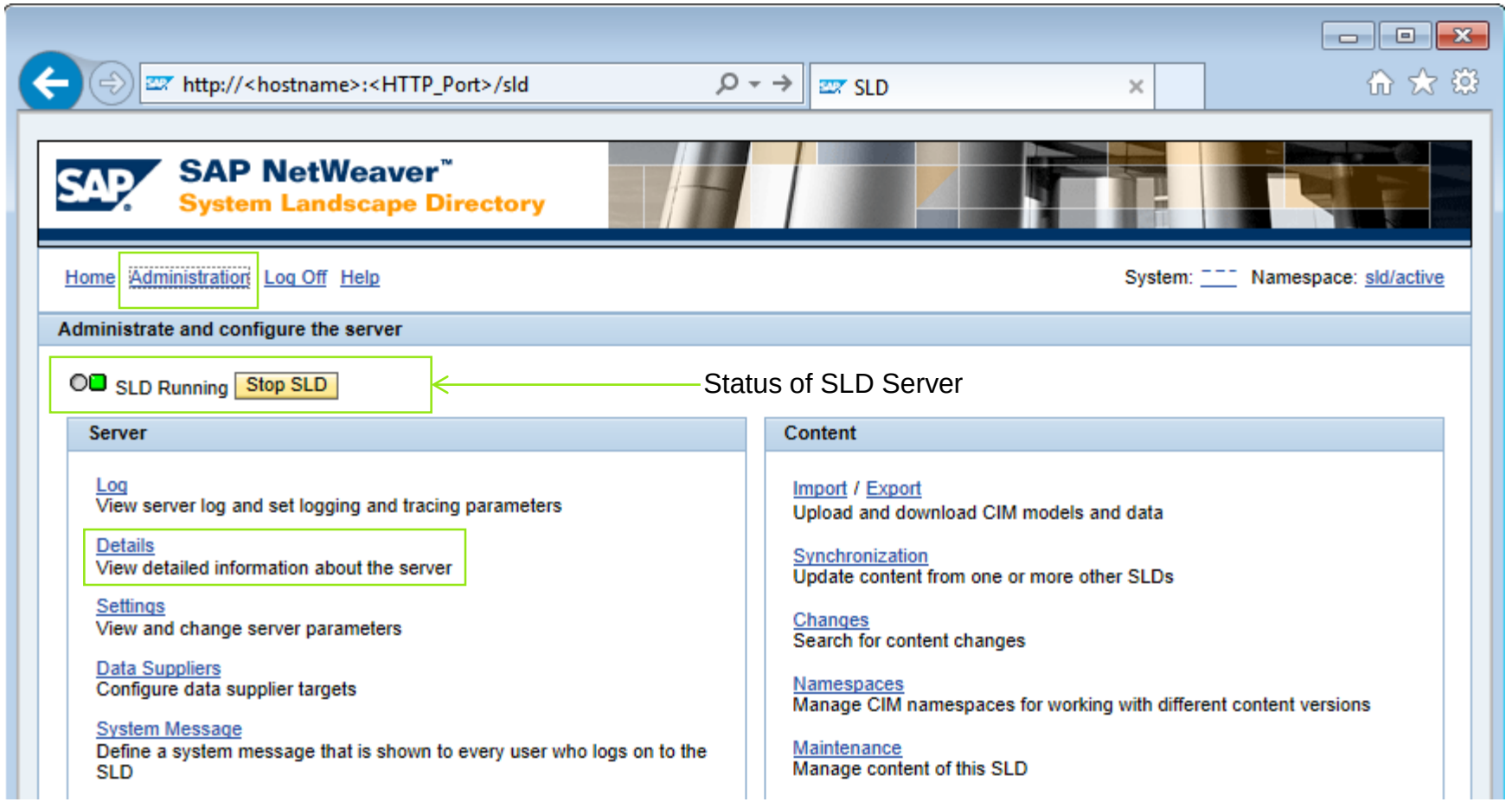
- Application Context Root (6)
- DB Field Name (6)
- DB Object Name (6)
- DB Pool Name (6)
- Design Time Package (6)
- Development Component Name (6)
- Installation Unit Name (6)
- Software Component Name (0)



SLD Administration

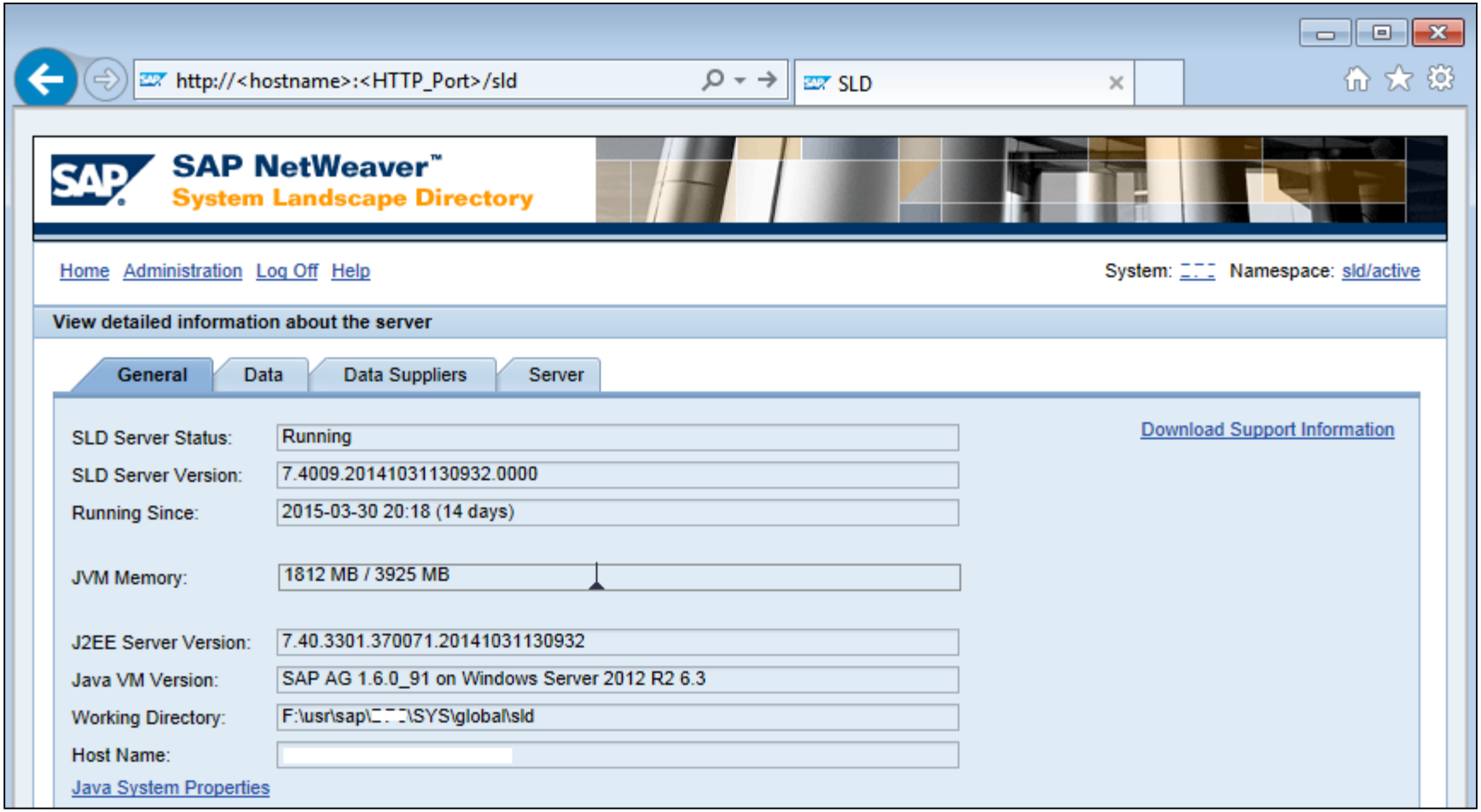
SLD Administration

SLD can be administered using the administration link as shown below. Clicking on the details link will provide you with the details of the SLD Server



SLD Server Details

SLD server details & JAVA System properties can be checked here.



Updating SLD

Software Catalog in SLD

SAP CR Content

ZIP	CRDelta101612_0-20012029.ZIP	SP12 for SAP CR CONTENT UP TO 2014
ZIP	cimsap101611_0-20012029.zip	SP11 for SAP CR CONTENT UP TO 2014

Download SAP CR Content from SAP Service Market Place in zip format

Import SAP CR Content into SLD

SLD Server

General | Data | Data Suppliers | Server

Refresh | Edit Namespaces...

Namespace	Model Version	Classes	Instances	Associations	Total	Content
sld/active	1.6.41	1,148	198,533	568,144	767,825	SAP_CR 10.11 (produced 2015-03-02)

This content fills the software catalog

SLD Server

Software Catalog

Products
View Products in SAP Software Catalog

Software Components
View Software Components in SAP Software Catalog

Software Catalog

Software Type: Product Versions (4953) — SAP_CR 10.11 (produced 2015-03-02)

Filter: By Product / By Product Version

Product Versions (4953)
Software component versions (20725)

New... | Refresh | Remove | Export

Product	Version
SAP NETWEAVER	
SAP NETWEAVER ABAP FOR OOEM	

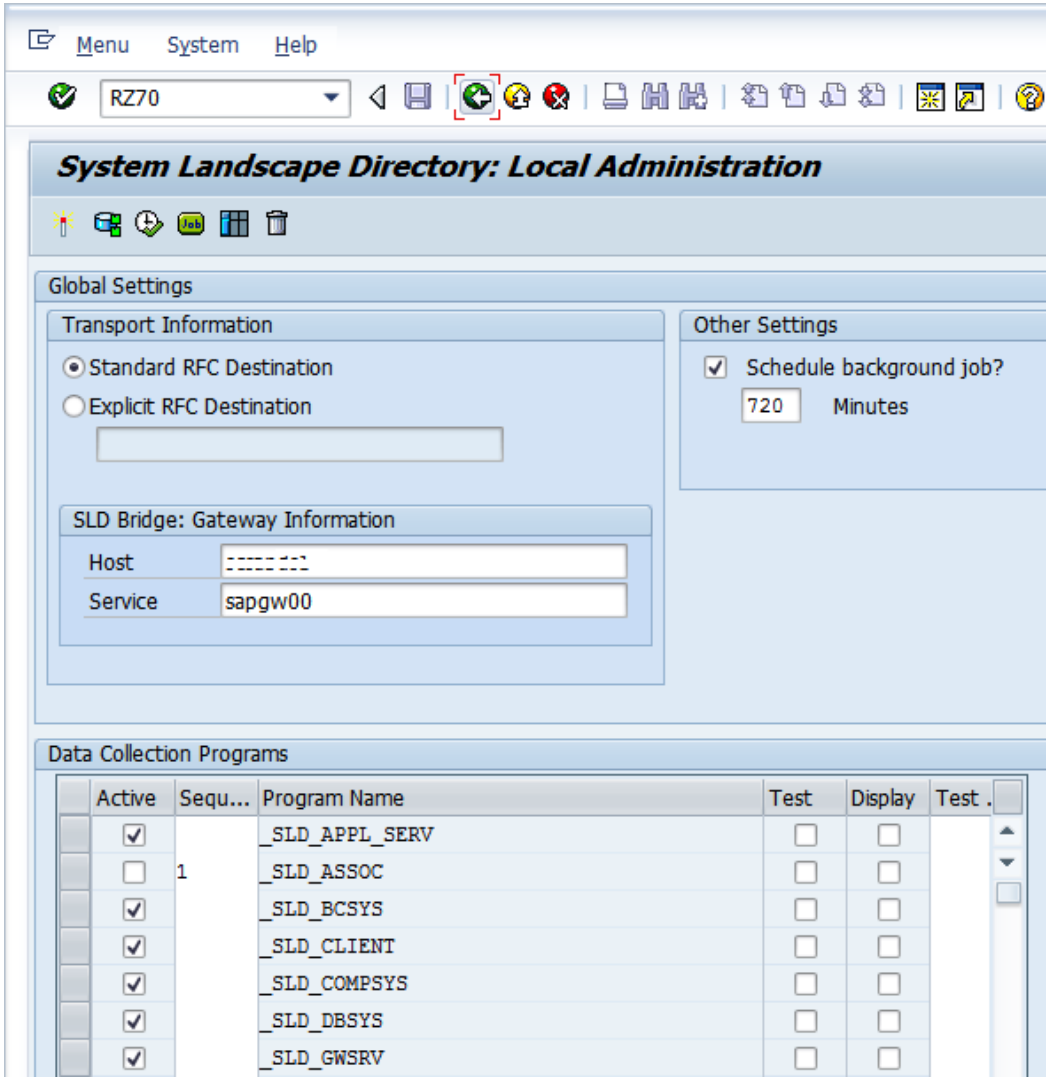
Adding ABAP systems to SLD

Adding ABAP System to SLD

In ABAP based SAP systems RZ70 is the T-Code that is used for pushing the data of the system to the SLD

Once the inputs are provided and the execute button is selected, background jobs will be scheduled in the SAP system that will keep pushing the latest data about the system to the SLD.

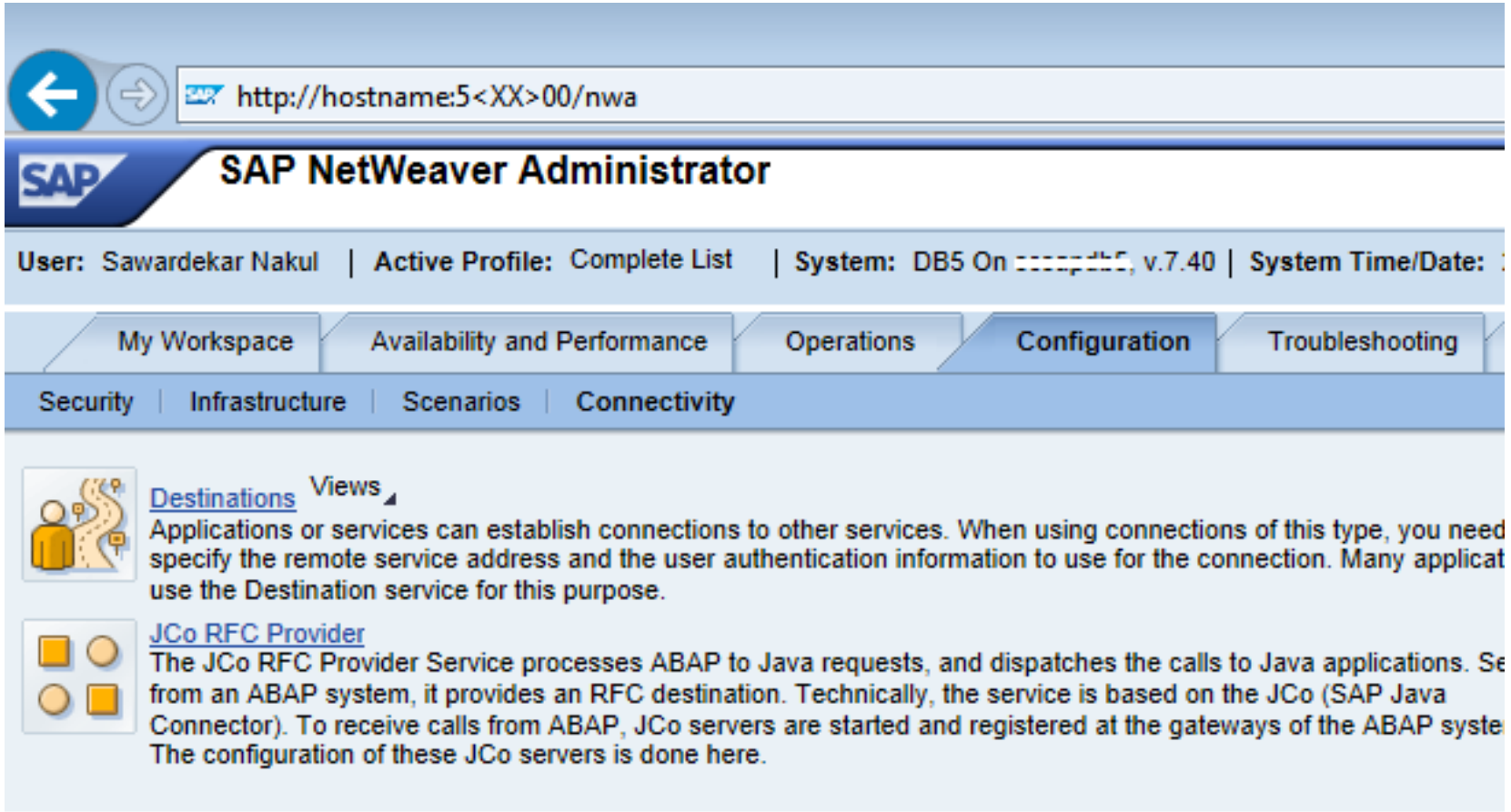
When Patches / Add-ons are installed on the SAP system, the data is changed which needs to be pushed to the SLD for updation.



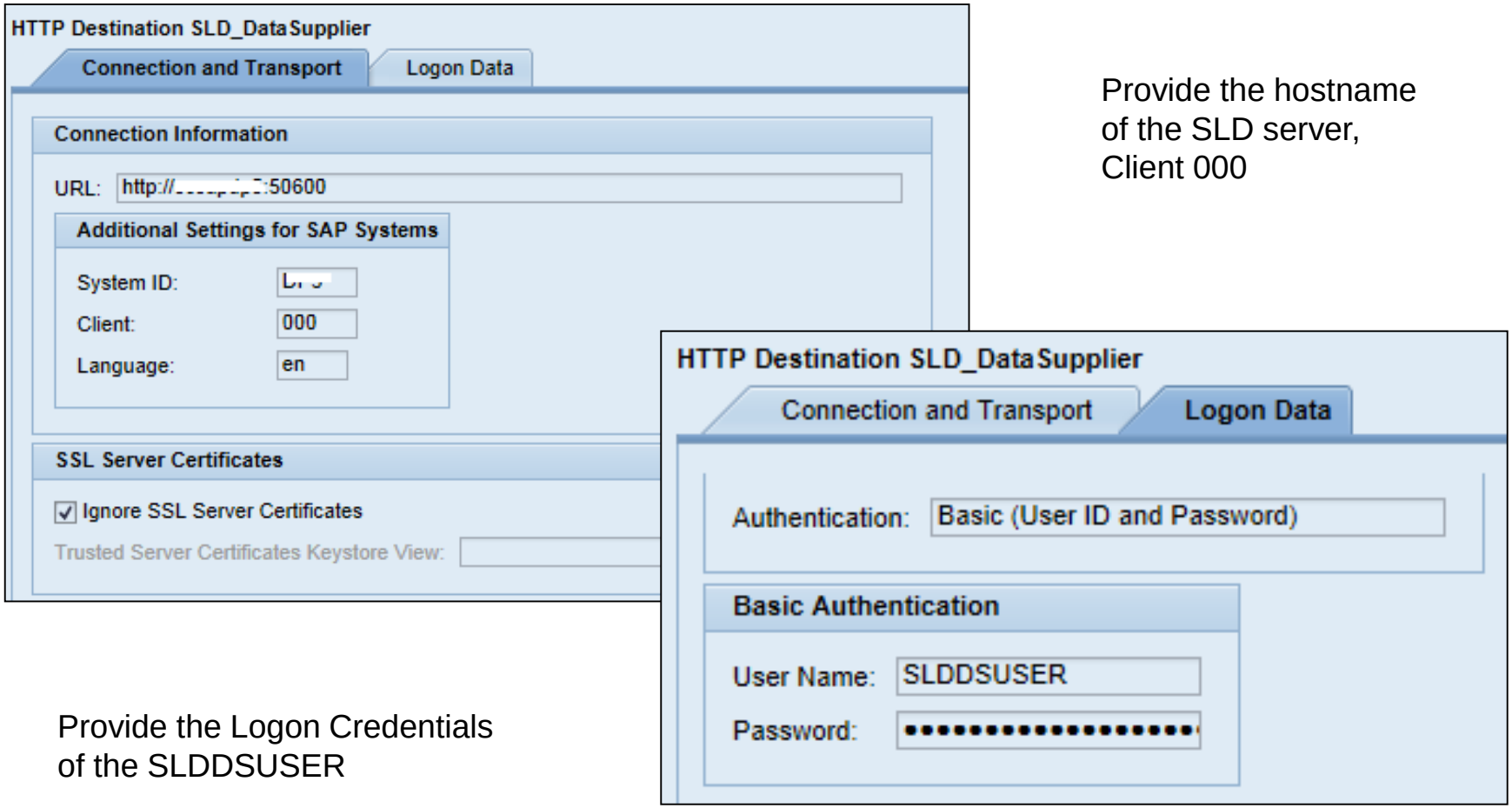
Adding JAVA systems to SLD

Adding JAVA System to SLD

In JAVA based SAP systems we need to create a data supplier configuration by creating a HTTP Destination



Adding JAVA System to SLD

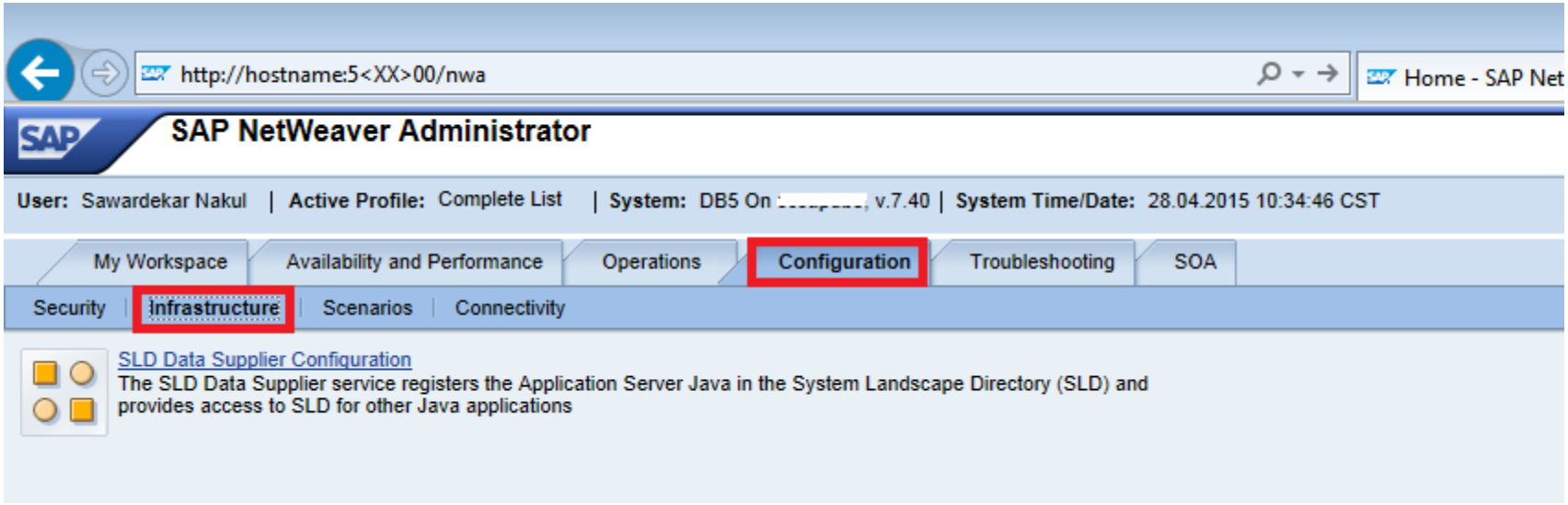


Provide the hostname of the SLD server, Client 000

Provide the Logon Credentials of the SLDDSUSER

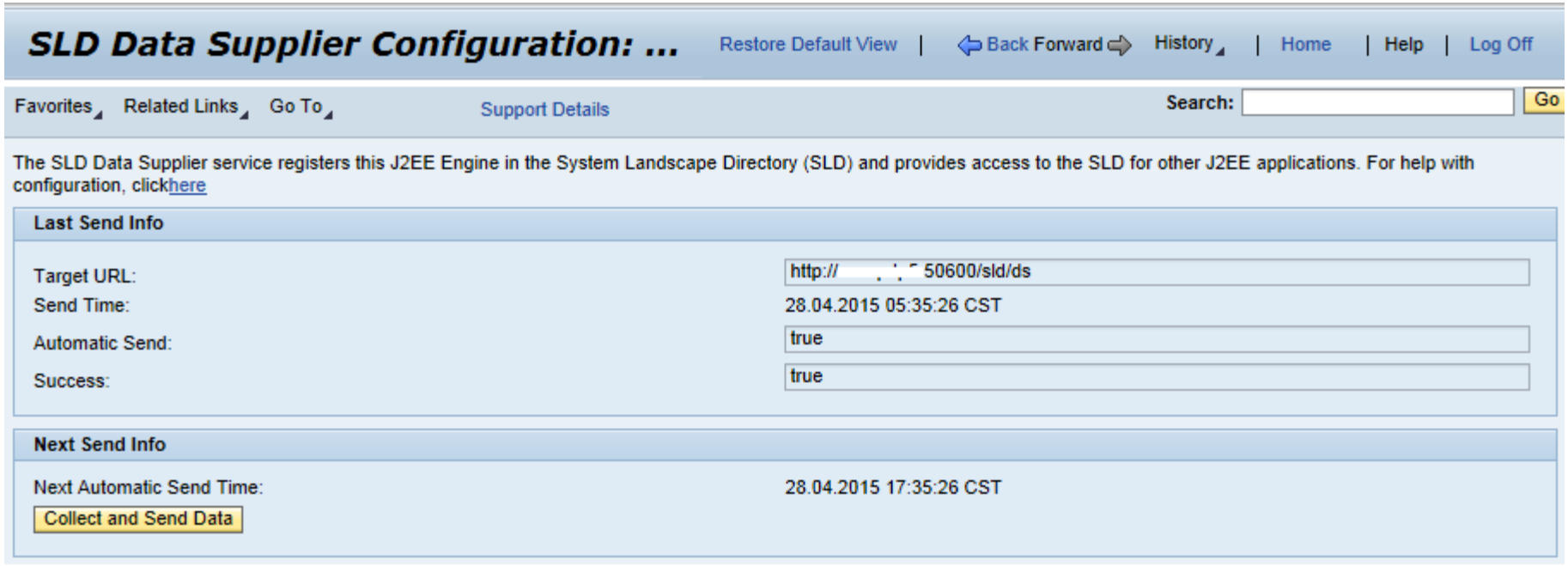
Adding JAVA System to SLD

Go to the Configuration Tab in the Netweaver Administrator in the JAVA system and Select infrastructure. Under this we need to select SLD Data Supplier Configuration



Adding JAVA System to SLD

Here we need to Click on Button “Collect and Send Data” This will use the same HTTP Destination that we have created earlier.



BREAK

Exercise & Questions

Exercise

SLD Check

Login into the SLD

Explain landscape concepts

Explain SLD Concept and why we require an SLD in our SAP System Landscape