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User Manual

DELMIA Process Engineer[®]

SSO Installation



Foreword

This manual provides an introduction to the basic operations and functions of the SSO Installation.

While developing these functions we have made every effort to create a clearly organized, easy-to-understand program structure.

A user-friendly interface as well as a clear menu guide will enable you to quickly learn how to operate the program and to get familiar with its functions so that you can carry out your planning tasks in a quick and reliable way.

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1.Introduction

This manual explains how to use the Process Engineer SSO Installation for your planning purposes.

1.1 How to Use this Manual

This manual enables you to get familiar with the operation and functions of the Process Engineer. This manual briefly describes:

- SSO Installation and Configuration



Note

When handling the SSO Installation functions, please also refer to the general introduction to Process Engineer in the General Introduction Manual.



Click [General Introduction](#) to access the manual.

1.2 Documentation Conventions and Symbols

The symbols used in this manual are intended to provide you with keys to the contents in an immediately understandable manner.



This symbol is used to introduce key concepts that are covered in the sections immediately following this symbol. As a result, this symbol most frequently appears at the beginning of chapters or sections.



Note

*This symbol is used to mark notes, which provide you with additional information you need to have for further work. You will either find the Note sign at the beginning of a chapter or in a particular text passage in the chapter. Texts bearing this sign are additionally marked with **Note**. The text is always in italics.*







Caution

*This symbol indicates that the text that follows describes particular circumstances that you must avoid to avoid potential errors with the operation of the program or harm to data. You will either find the Caution sign at the beginning of a chapter or near a particular text passage in the chapter. Texts that are introduced by this sign are additionally marked with **Caution**. The text is always in italics.*

Example

This symbol marks examples which serve to illustrate a certain situation.

-  This symbol marks the individual operational steps involved in a particular operating instruction. Operating instructions describe operational steps, for example, how to open a menu or execute a function.
-  This symbol marks listed subjects. The symbol for listed subjects can be either used to structure a continuous text or to list main subject keywords.
-  This symbol marks list inside a bulleted or numbered list.
-  This symbol marks cross reference information that is available in another manual.

1.3 New Functions in SSO Installation

No new functionality has been added for this release.

2.Environment

2.1 SSO Working

SSO is the abbreviation for **S**ingle **S**ign-**O**n.

With SSO, after only one authentication you can use several applications without further authentication.

You can start the DPE Client and enter SSO username and password into the login panel.

The Client connects to the Web Application Server (in the following text we use for **Web Application Server** the abbreviation **WAS**).

You have to authenticate by the WAS against the configured LDAP. After the successful authentication the WAS returns the credentials for this SSO user including the appropriate DPE user.

Using this credential the client connects to the IPD Server.

The IPD-Server checks the validity of the credential and the existence of the DPE user in the IPD Database.

If a SSO check is successful, then you can use, within the scope of the client process (V5 or E5 client process) all PLM applications without any further authentication.

In the context of a V5 client session, when a connection is done to the MH server (IPD) and to a EH server (LCA) the login should appear only once, not twice for each connection separately.

If in the context of a E5 client a V5 client is started, the credentials are passed from the E5 client to the V5 client. The user authentication is done only once in the E5 client.

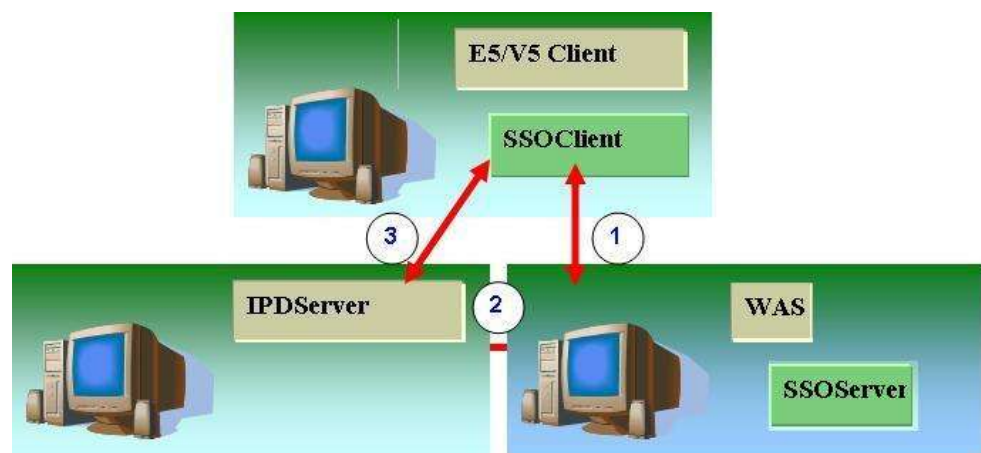


Figure 1: SSO Working

3. Prerequisites

- WAS installed with SSO and configured to use an available LDAP (or something similar). For installing this use the LCA Server installation in SSO mode. See the official ENOVIA V5 VPM/LCA Documentation – “Enterprise Architecture Installation Guide - Installing Version 5 - Deploying ENOVIA LCA - Deploying Single Sign-On”.
- Official DPE 5.17 setup
- V5R17 Installation, either
- Microsoft .NET Framework 1.1 Package and Microsoft Visual J# .NET 1.1 Redistributable Package have to be installed on client and server side. or
- JRE 1.5.0_05 (resp. JRE 1.5.0_05 for Win 64 bit) has to be installed and the JAVA_HOME environment variable has to be set on client and server side.
In that case you need to set the additional V5 environment variable
CATJWS_RemotingEngine=Jni
also.

4. General Installation Steps

- [Configuration of V5/D5 Clients](#)
- [Configuration of SSO](#)
- [Configuration of V5/D5 Clients](#)
- [Configuration of SSO](#)
- [Installation of DPE Clients](#)
- [Configuration of V5/D5 Clients](#)

4.1 Configuration of SSO

- 1) Copy IPD.credentialSet file in ...\\resources\\credential directory on SSOServer side.
- 2) Restart the SSOServer.
- 3) Create IPD credentials by using the SSOAdminConsole (contact the administrator who has installed the WAS with SSO to get the appropriate URL). For each user who should have access to the IPDServer, you must create a credential set.
 - SSO User: LDAP username
 - Application Name: IPD
 - Instance Name: DPE
 - Properties username: DPE username
 - Properties password: leave empty; Authentication will be made by SSO against configured LDAP, so the DPE password is no longer needed for authentication. Support of encrypted password has to be done by LDAP.

4.2 Installation of IPDServer

- 1) Start Server setup
- 2) Answer the question "Do you want to install DPE with SSO support?" with **Yes**.

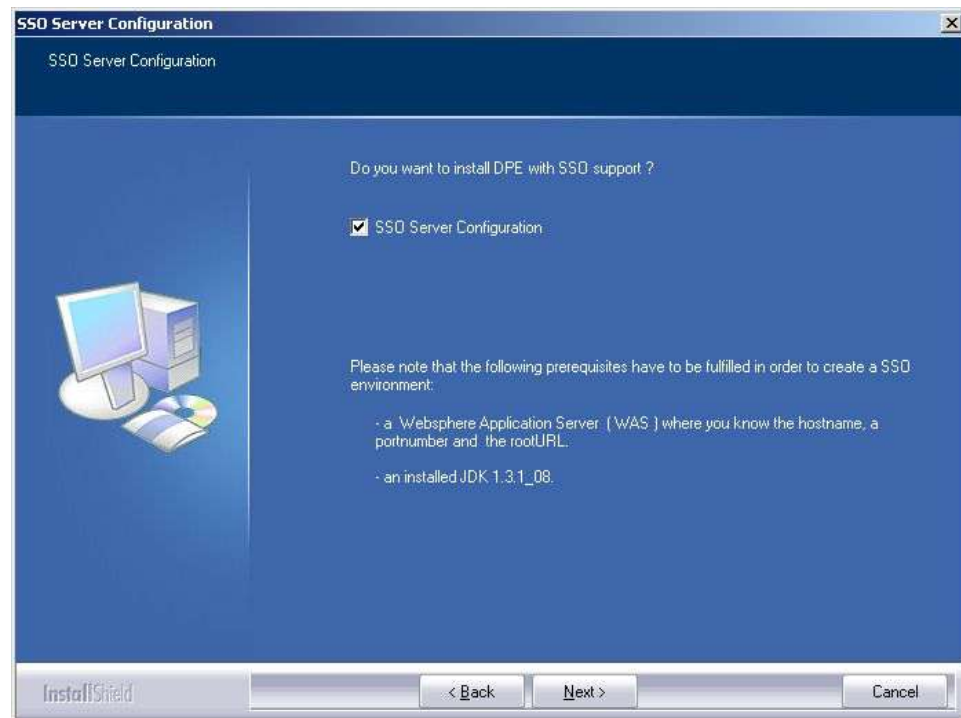


Figure 2: SSO Server Configuration

- 1) Click **Next** button.
- 2) SSO Server configuration: Connection parameters for access to your SSO server (Format: <host>:<port>/<project>):
 - Host: machine where WAS was installed
 - Port: port to connect to WAS
 - Project: WAS project e.g. for Fellbach: *svwsdeg:9080/B15D49*
 <host> :<port>/<project>)

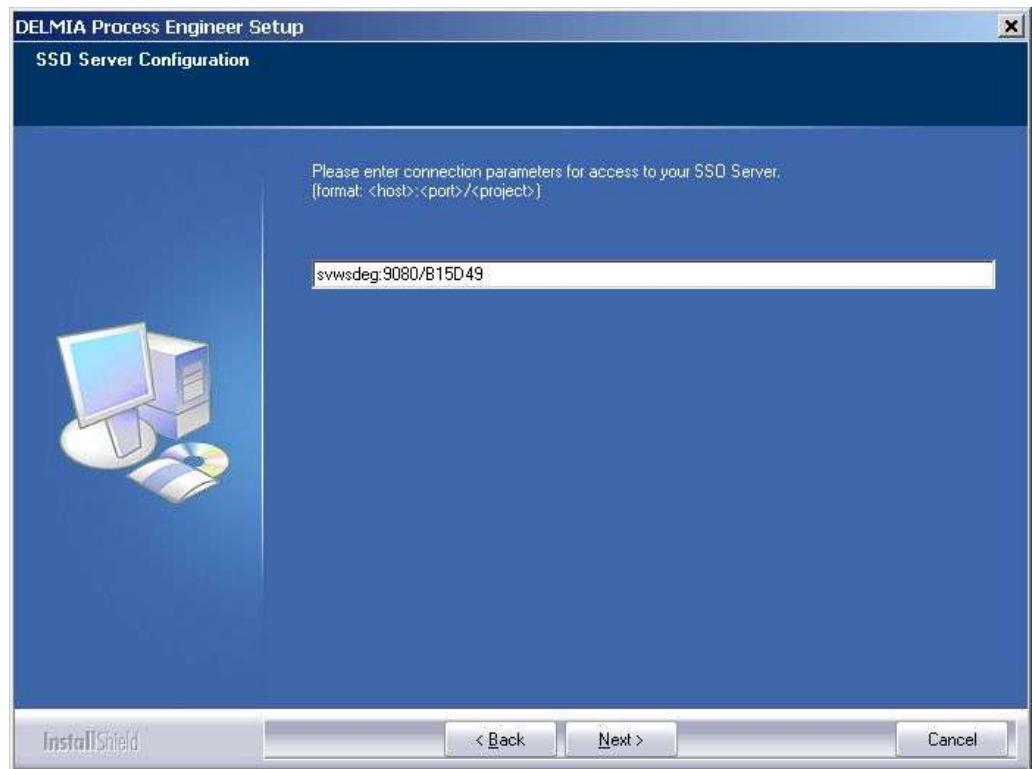


Figure 3: DELMIA Process Engineer Setup

- 3) Finish the setup in the same way as without SSO support

4.3 Installation of DPE Clients

- 1) Start Client setup
- 2) Answer the question “Do you want to install DPE with SSO support?” with **Yes**.

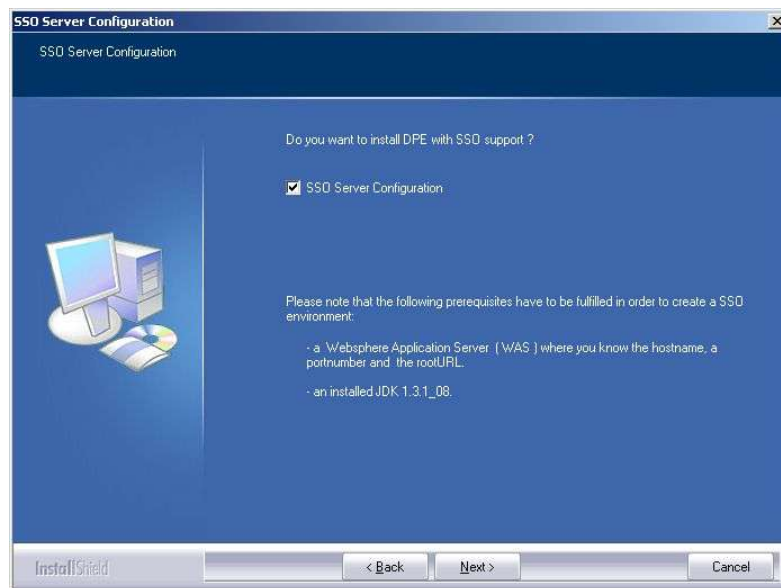


Figure 4: Client Setup

- 3) Click **Next** button.

- 4) SSO Server configuration: Connection parameters for access to your SSO server (Format: <host>:<port>/<project>):
 - Host: machine where WAS was installed
 - Port: port to connect to WAS
 - Project: WAS project

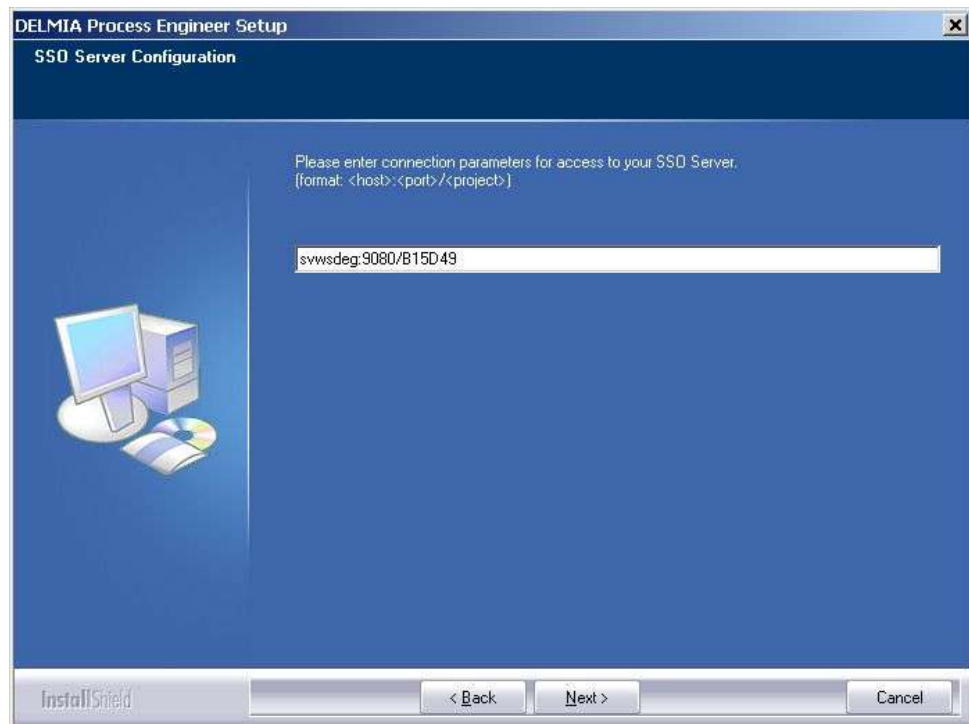


Figure 5: Setup Finished

- 5) Finish the setup in the same way as without SSO support

4.4 Configuration of V5/D5 Clients

4.4.1 Prerequisite

DPE Client Setup and V5 Client Setup have to be performed.

- 1) Check/Change SSOClient.properties file (...\\intel_a\\resources\\sso):
 - SSOActivated=yes
 - SSOSecuredEnvironment=yes
- 2) Check/Change <V5Environment>.txt
 - Add / Change following entry to: CATUDDIInquiryURL =
http://host:port/rootURL/uddi_inquire where http://host:port/rootURL have to be substituted by your WAS project.

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