



# SSO Installation for DPE 5.20

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# 1. Environment

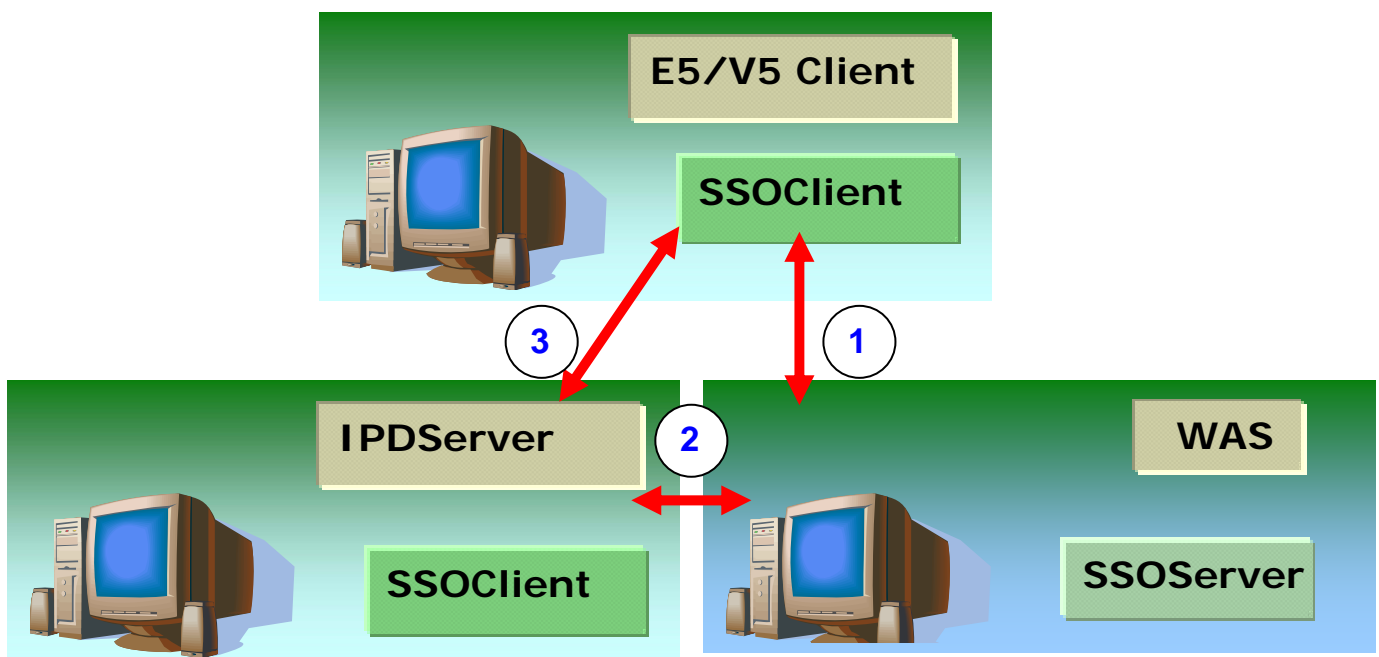
## What is SSO?

SSO is the abbreviation for **Single Sign-On**.

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

How does SSO work?

- The user starts the DPE Client and enters 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**).
  - The user will be authenticated 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.
  - Is a SSO check successful, then the user can use, within the scope of the client process( V5 or E5 client process) all PLM applications without any further authentication.
1. 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.
  2. 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 authenticates is done only once in the E5 client.



## 2. 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.

## 3. General Installation Steps

- Configuration of SSO for IPD
- Installation of IPDServer
- Installation of DPE Clients
- Configuration of V5 / D5 Clients

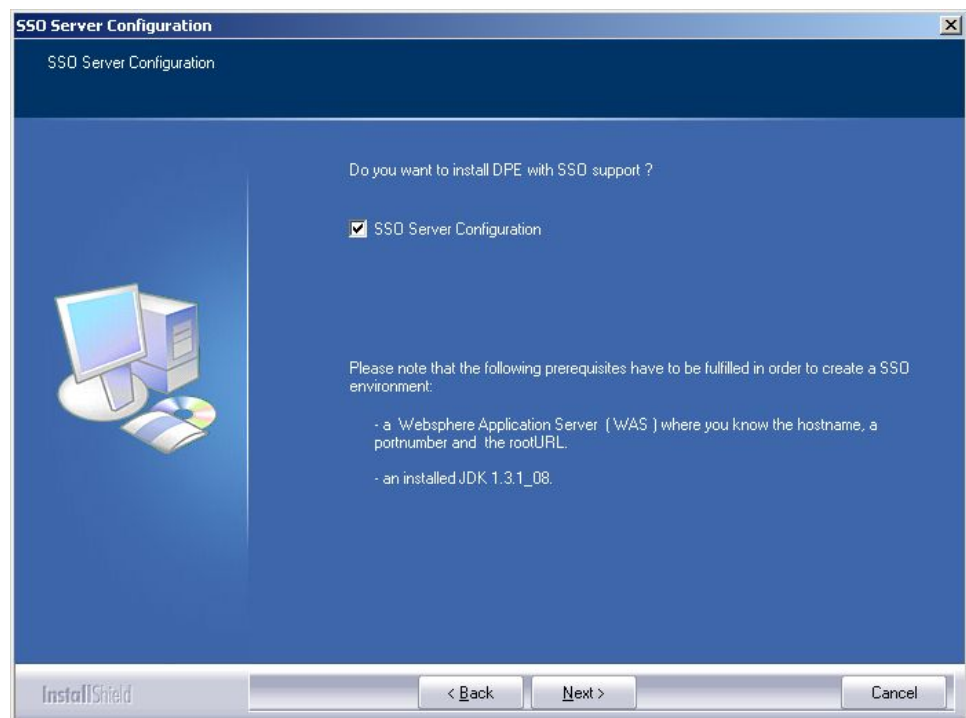
### 3.1 Configuration of SSO

- Copy IPD.credentialSet file in ...\resources\credential directory on SSOServer side
- Restart the SSOServer
- 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

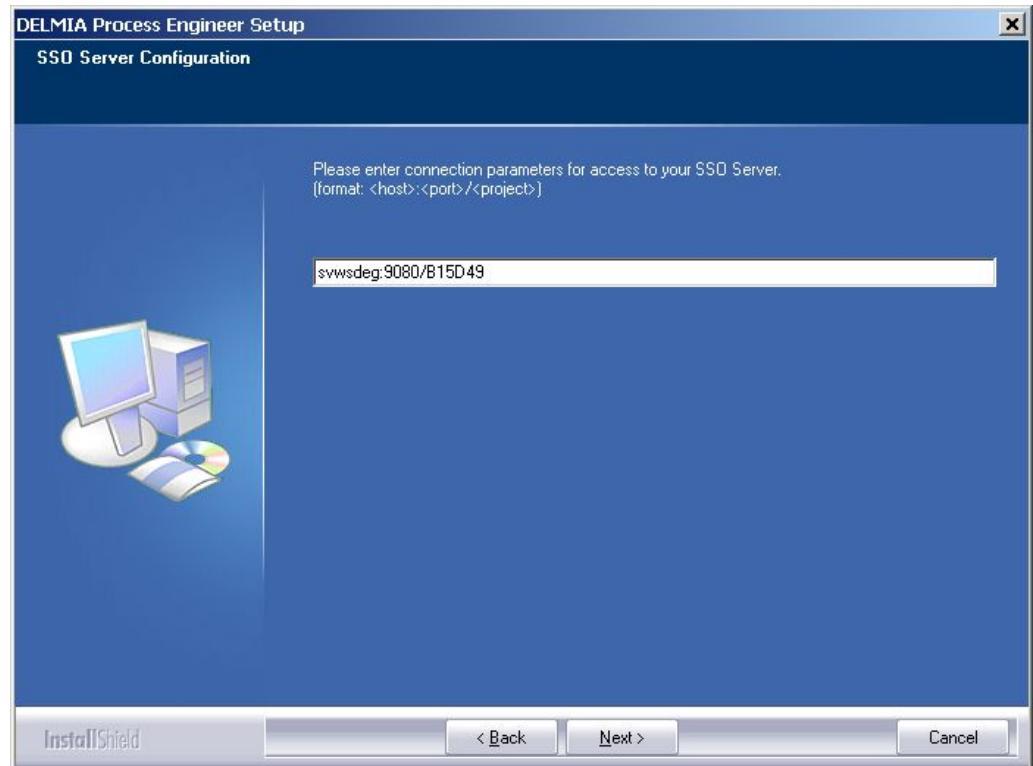
- Instance Name: DPE
- Properties username: DPE username
- Properties password: leave empty; Authentication will be made by SSO against configured LDAP, so the DPE password is no longer needed for authentication. Support of encrypted password has to be done by LDAP.

## 3.2 DPE Server Setup has to perform with SSO support

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



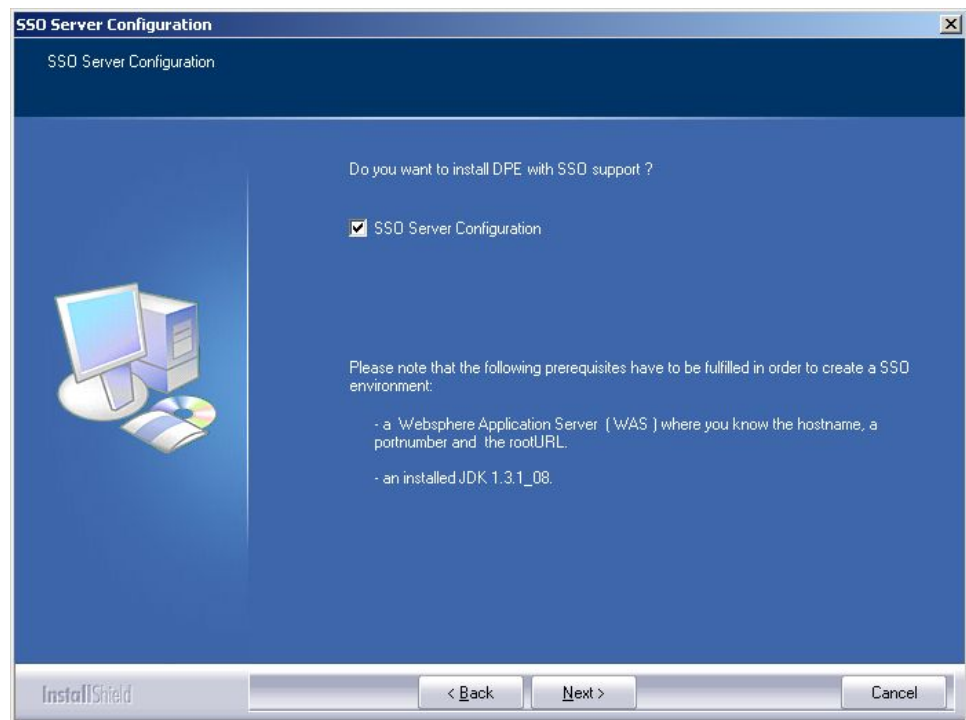
3. Click the **Next** button.
  4. SSO Server configuration: Connection parameters for access to your SSO server (Format: <host>: <port>/<project>):
    - Host: machine where WAS was installed
    - Port: port to connect to WAS
    - Project: WAS project
- e. g. for Fellbach: *svwsdeg:9080/B15D49*  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



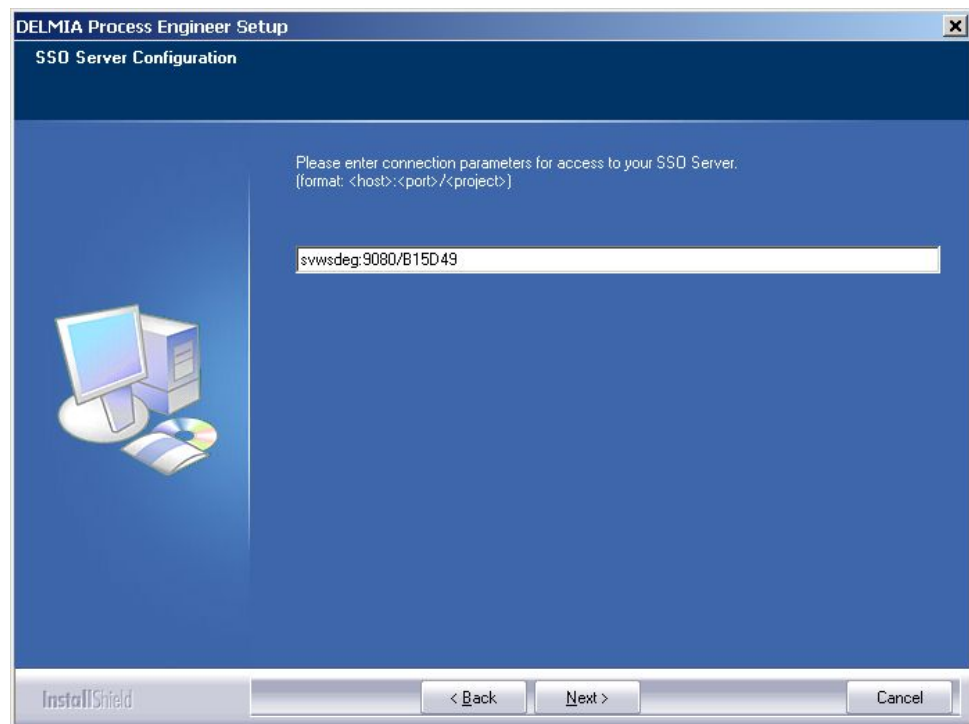
5. Finish the setup in the same way as without SSO support

### 3.3 DPE Client Setup has to perform in SSO mode

1. Start Client setup
2. Answer the question "Do you want to install DPE with SSO support?" with yes.



3. Click the **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



5. Finish the setup in the same way as without SSO support

## 3.4 Customization of DELMIA V5 Clients for SSO

### 3.4.1 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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