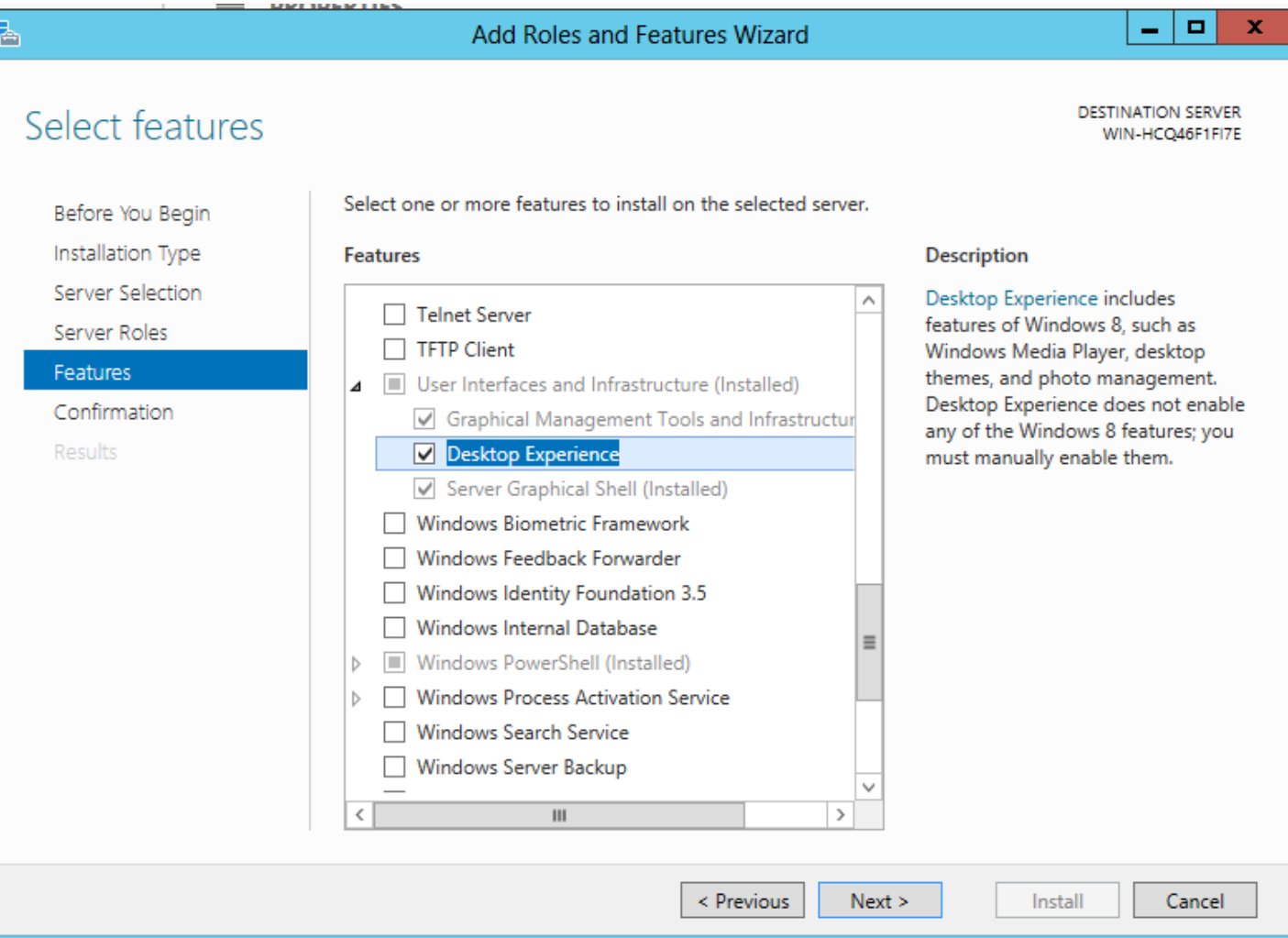


# SAP BUSINESSOBJECTS BUSINESS INTELLIGENCE PLATFORM 4.1 SP4 התקנת שרת

- שרת בסיסי עם Windows 2012
- הפעלת .net 3.5 Windows feature
- התקנת Adobe Flash Player לא אפשרית ב Win Server 2012 לכן יש להוסיף דרך fetures



- explorer -> Manage Add-on ב Adobe לאפשר את ה
- התקנת SQL2012
- התקנת 3393PATCH
- התקנת [Sap Host Agent](#)
- saphostexec.exe -install
- %ProgramFiles%\SAP\hostctrl\exe\saphostexec.exe -status
- Windows .NET Framework 3.5 Service Pack 1 and Windows Installer 4.5
- הקמת בסיס נתונים ריק בשם SID שנרצה
- הקמת DB ל CMS והגדרת System DNS ODBC ->
- הקמת DB ל Audit והגדרת System DNS ODBC ->
- התקנת SBOP Client 4.1 SP4 (51048293\_1)
- התקנת SBOP 4.1 SP4 (51047839)
- הגדרות פורטים בהתקנה
- Server Intelligence Agent (SIA) – 6410
- CMS Port = 6400
- הגדרת סיסמאות לאדמין ול CMS
- 12qwasZX

- Tomcat Port ○
  - Connection Port = 8080 ▪
  - Shutdown Port = 8005 ▪
  - Redirection Port = 8443 ▪
  - HTTP Listening Port – 6405 ▪
  - LCM\_repository Port = 3690 ▪

• התקנת java SDK

### Post Installation

- הגישה היא דרך נתיב הני"ל <http://server FQDN:<PORT>/BOE/CMC> כלומר במקרה שלנו  
<http://server FQDN:8080/BOE/CMC>  
<http://localhost:8080/BOE/CMC>

- בגלל שהמערכת שלנו מכילה Java Web Application אפשר להפעיל את **SAP BusinessObjects BI platform Central Management Console**
- בכל תחנה שמתחברת למערכת חייב להיות מעודכן JAVA (מעדכן בהפעלה ראשונית)
- כמו כן צריך להתקין בתחנות המשתמשים דרך **SBOP BI PLATFORM 4.1 SP2 CLIENT TOOLS WINDOWS** אחת האופציות בהתקנה **Web Intelligence Rich Client**

### הגדרת SSO בין ה BO ל BW

• כניסה ל CMC

## Generate keystore and certificate

### 1. Run PKCS12Tool program to generate keystore

PKCS12Tool Windows location: <INSTALLDIR>\SAP BusinessObjects Enterprise XI4.0\java\lib

PKCS12Tool Unix location: <INSTALLDIR>/sap\_bobj/enterprise\_xi40/java/lib

(Windows command line example: "C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise XI

4.0\win64\_x64\sapjvm\bin\java" -jar PKCS12Tool.jar -alias **SERVER\_NAME** -storepass **PASSWD** -dname CN=**SERVER\_NAME**

```

C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 5.2.3790]
(C) Copyright 1985-2003 Microsoft Corp.

C:\Documents and Settings\Administrator>cd C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0\java\lib

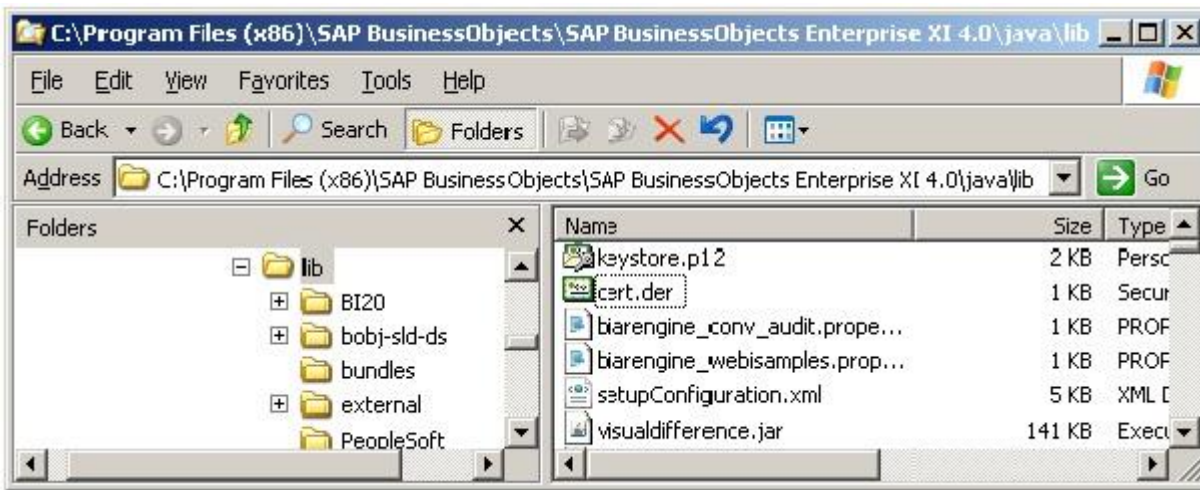
C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0\java\lib>"C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0\win64_x64\sapjvm\bin\java" -jar PKCS12Tool.jar -alias mywin -storepass admin1 -dname CN=palmtree

C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0\java\lib>_
  
```

Keystore file is generated at this location

- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.

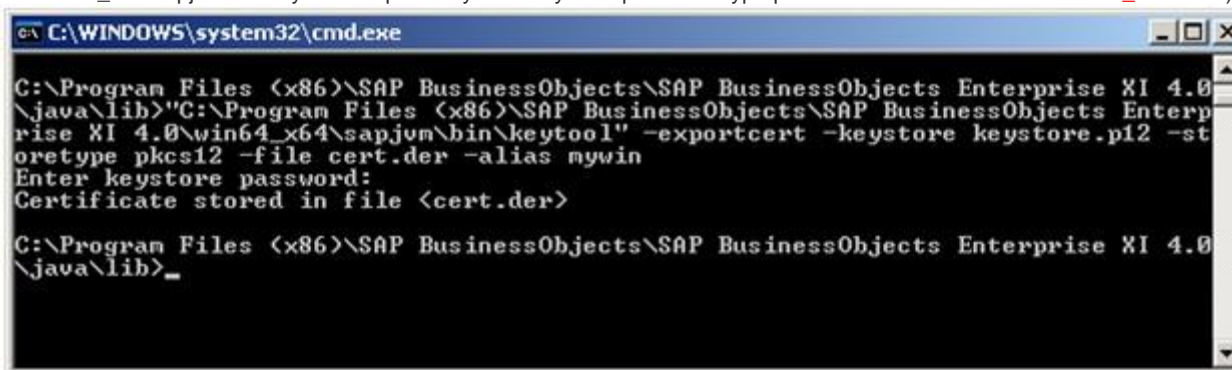
10.



11. Generate certificate with keytool

Enter keystore password which is defined in the previous step. (In this example the password is: admin1)

(Windows command line example: "C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0\win64\_x64\sapjvm\bin\keytool" -export -keystore keystore.p12 -storetype pkcs12 -file file.der -alias SERVER\_NAME -v)



○ שלבים בשרת BW

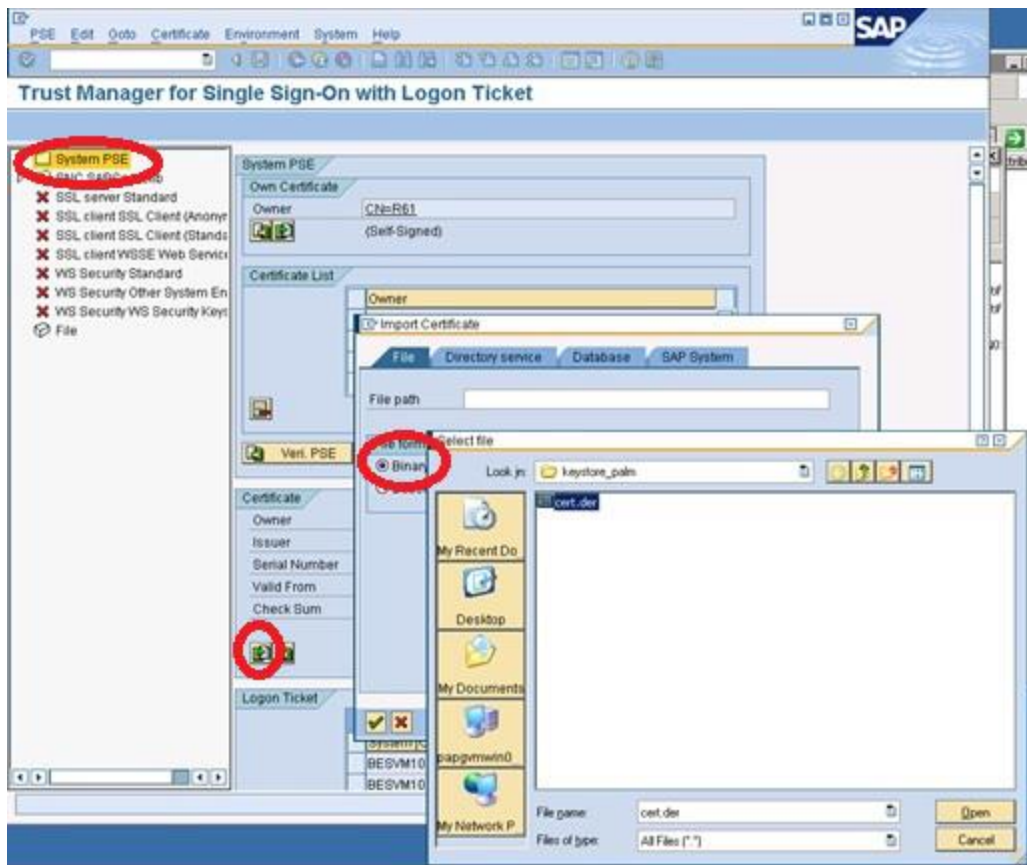
:Import SAP BO BI4.0 certificate into SAP BW

Binary import cert.der into SAP BW with STRUSTSSO2

Log into SAP BW and run transaction STRUSTSSO2

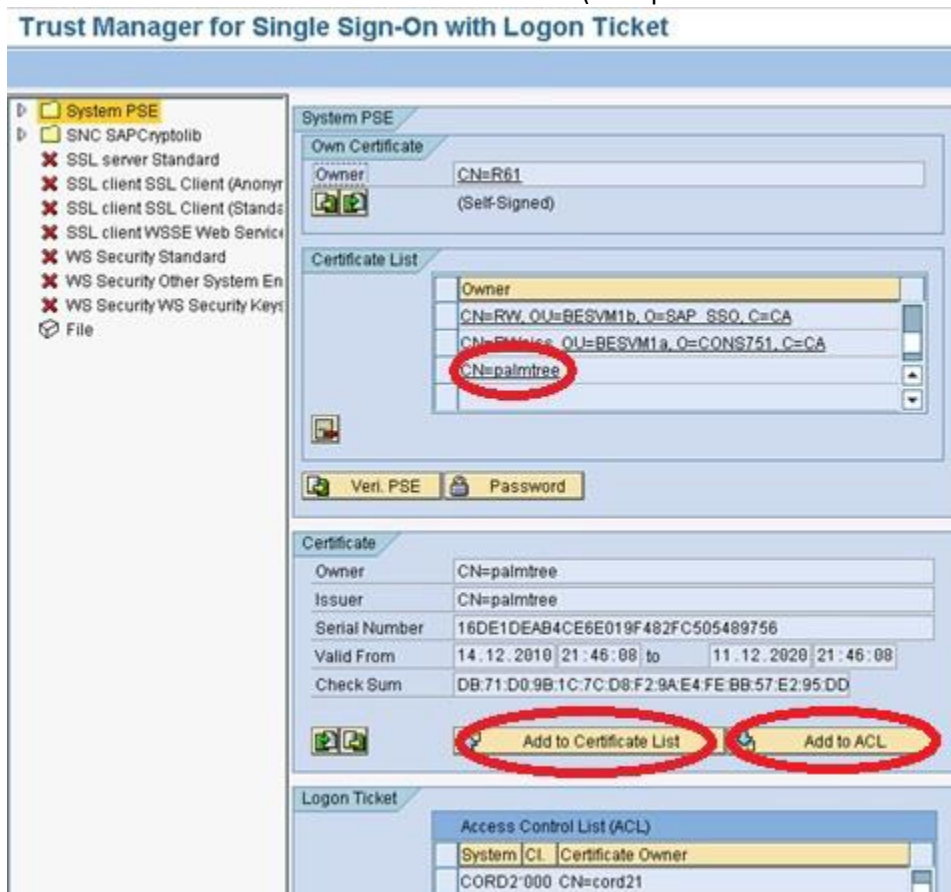


- Make sure that cert.der is imported Binary into System PSE



Add the certificate to the certificate list  
 Click button "Add to Certificate List"

- Check certificate list to make sure it is in the list ("CN=palmtree" in below example)



Add the certificate to ACL

Click button "Add to ACL" to add the certificate to the Access Control List

Enter System ID - This System ID will be used in BI4.0 CMC for setup of SAP SSO Service

- Enter Client - Client has to be 000



Add Entry to Single Sign-On Access Control List

System ID	PALM
Client	000
Owner	CN=palmtree
Issuer	CN=palmtree
Serial Number	16DE1DEAB4CE6E019F482FC505489756

### Trust Manager for Single Sign-On with Logon Ticket

System PSE

- SNC SAPCryptolib
- SSL server Standard
- SSL client SSL Client (Anonym)
- SSL client SSL Client (Standar)
- SSL client WSSE Web Service
- WS Security Standard
- WS Security Other System En
- WS Security WS Security Key
- File

Certificates

Owner	CN=palmtree
Issuer	CN=palmtree
Serial Number	16DE1DEAB4CE6E019F482FC505489756
Valid From	14.12.2010 21:46:08 to 11.12.2020 21:46:08
Check Sum	DB:71:D0:9B:1C:7C:D8:F2:9A:E4:FE:BB:57:E2:95:DD

Logon Ticket

System	Cl.	Certificate Owner
S1S2VM000		CN=TEJ
SAPSS000		CN=DPK
PALM	000	CN=palmtree

Save all changes.

### Setup of SAP SSO Service in SAP BO BI4.0 CMC

Central Management Console

Entitlement Systems

Entitlement Systems | Role Import | SNC Settings | Options | User Update

Logical system name: R61CLNT000

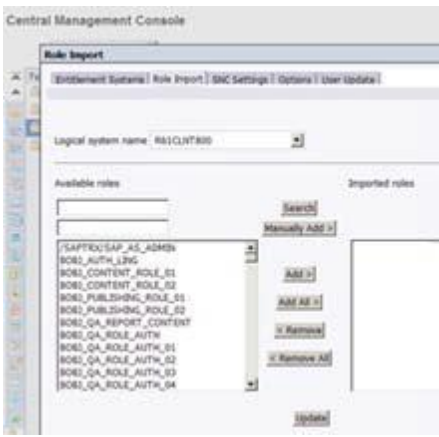
System: R61 Client: 000 Disabled

Load balancing: Message Server, Logon Group

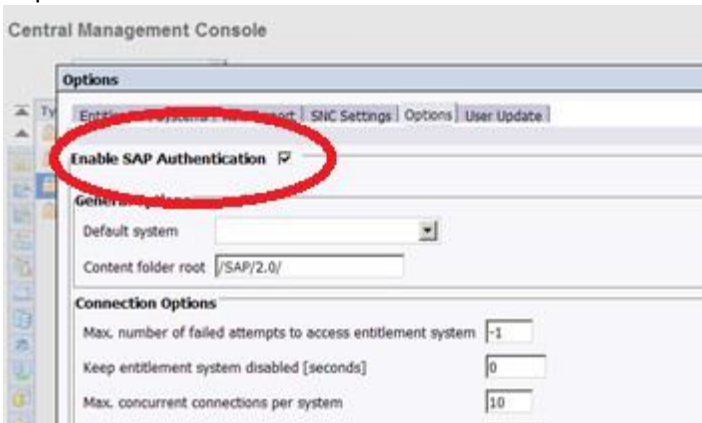
Application host: Application Server: sapgwmin041.dhcp System Number: 00

User name: B040 Password: \*\*\*\*\* Language: en SNC name:

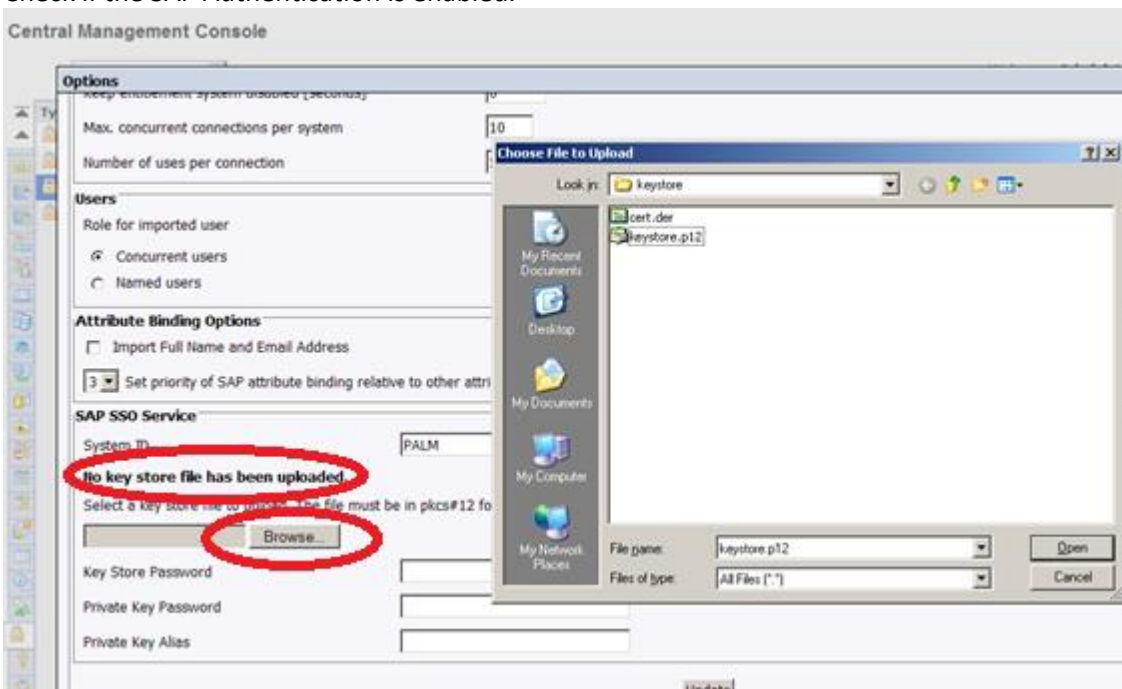
Log into the Central Management Console as administrator. Go to authentication Entitlement systems. Enter your SAP system details.



Import the role that we want

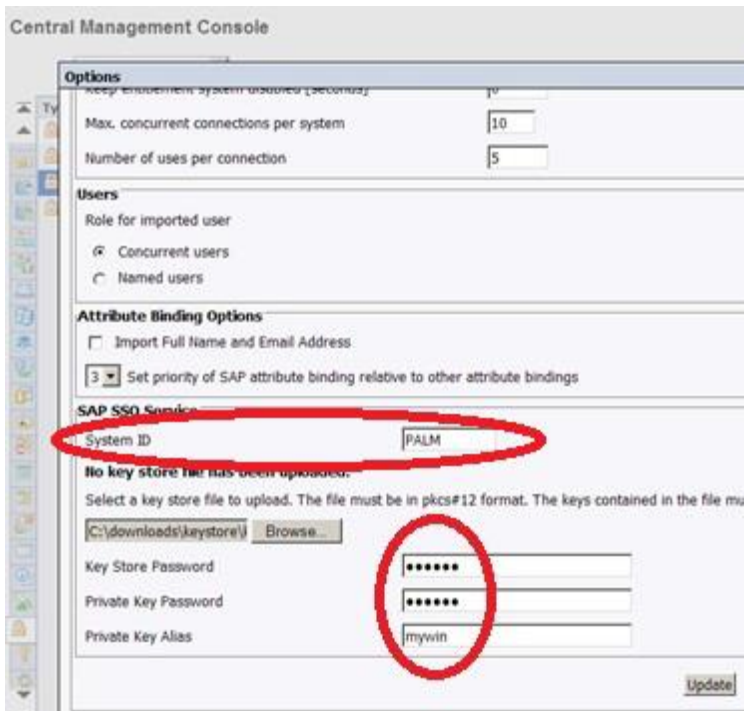


Check if the SAP Authentication is enabled.

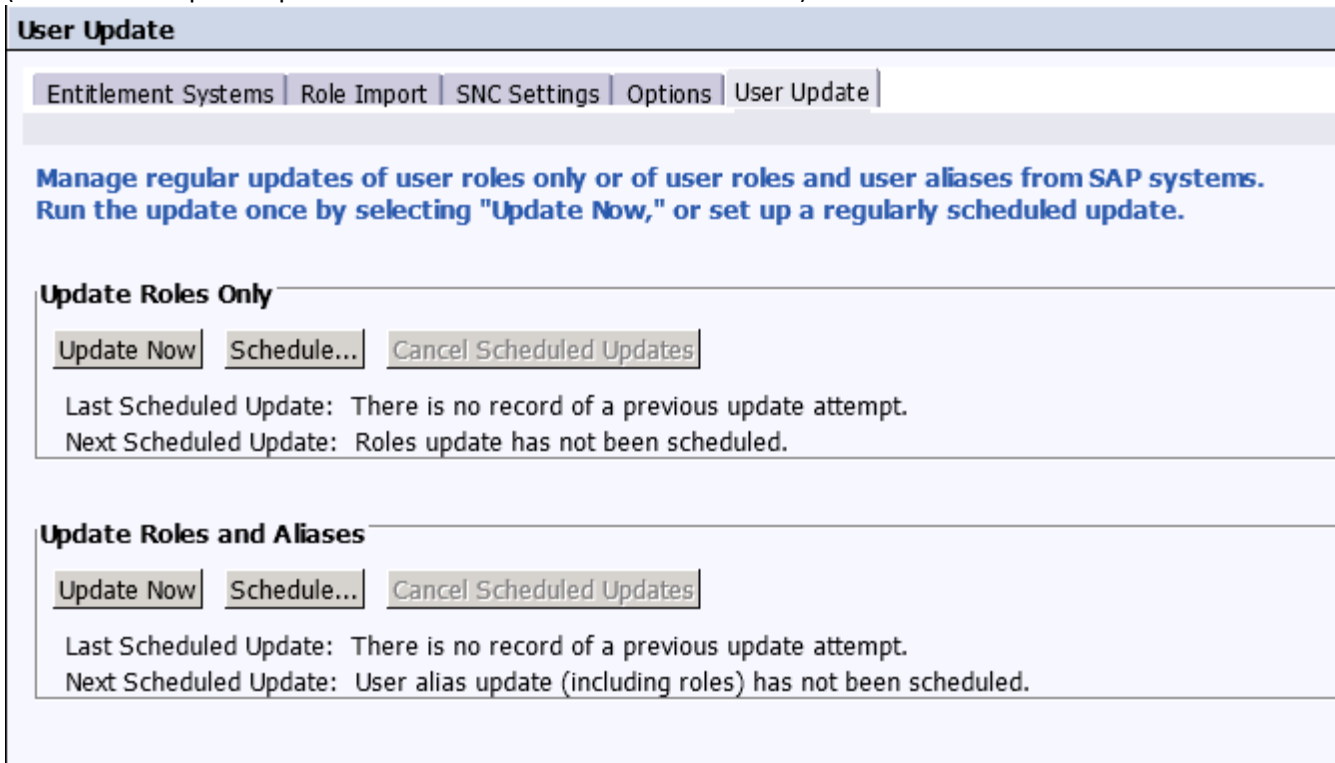


Import keystore keystore.p12 file

The message No key store file has been uploaded indicates no previous uploads Setup



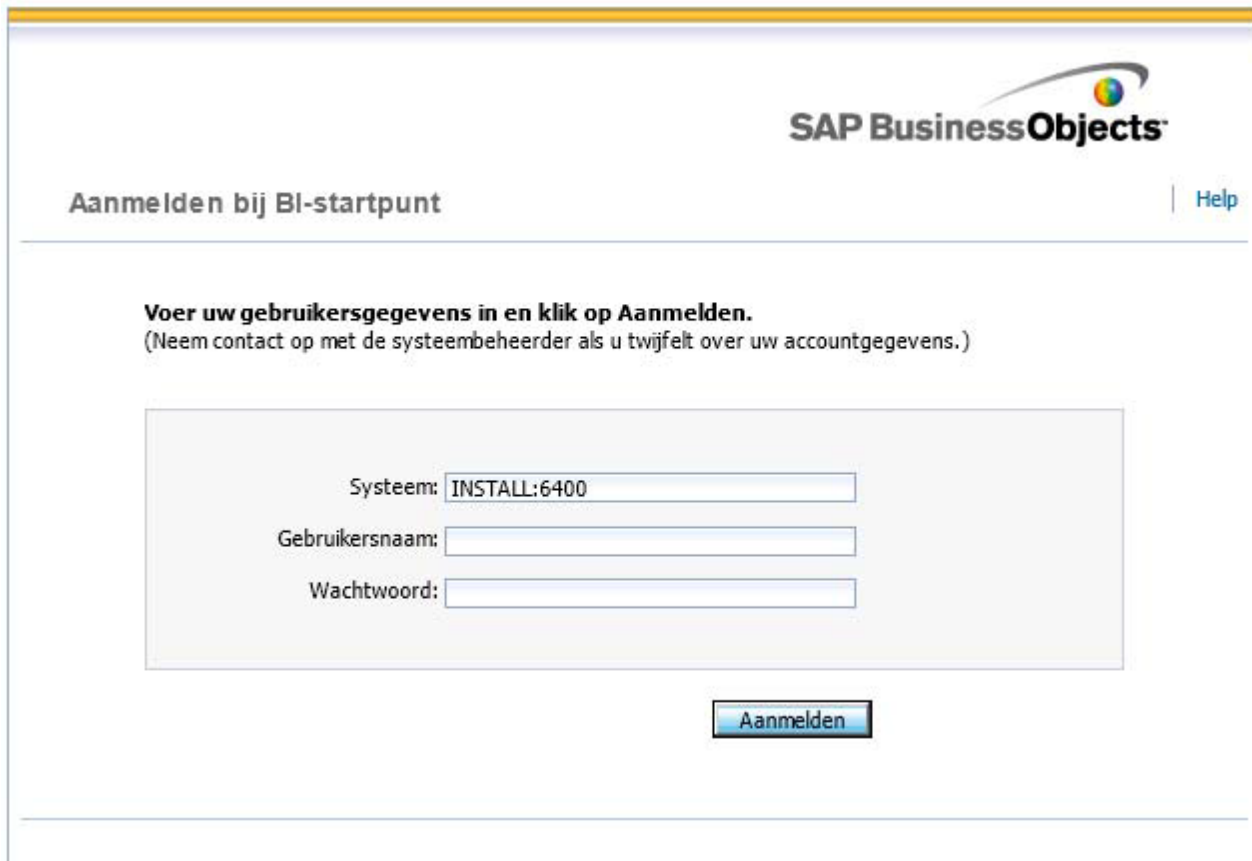
Setup Key Store/Private Key password, Private Key Alias and System ID  
 System ID is PALM in this example. It has been defined when certificate is imported in SAP BW.  
 (In below example the password is the same for both . It is XXXXXX)



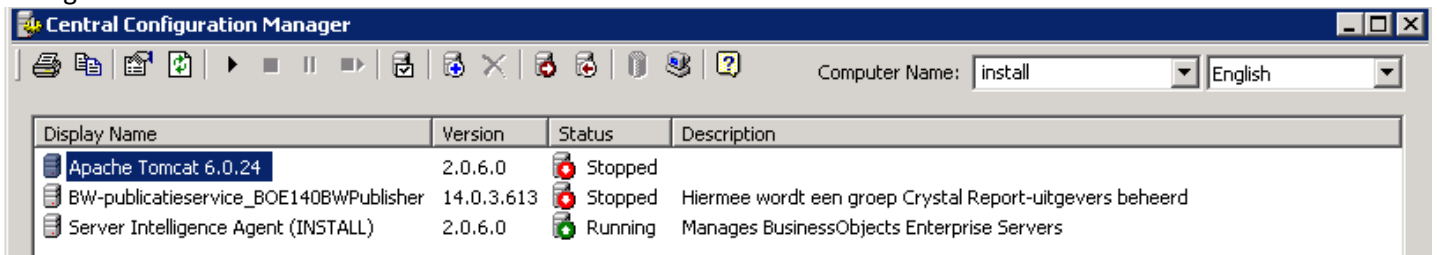
Update the roles and aliases. When you live this screen and go to Users & Groups, you'll see the SAP BW users who have the role

## Login with your SAP BW credentials in BI Launchpad

When launching the SAP BI Launchpad, you are not able to logon with your SAP BW credentials. In the next steps you will learn how to enable this option.



Step 1: Go to the SAP BI Launchpad (url: <http://localhost:8080/BOE/BI>). There is no option to choose the login authentication.



Step 2: Stop Tomcat application server

Step 3: Go to the directory:

"C:\Program Files (x86)\SAP BusinessObjects\Tomcat6\webapps\BOE\WEB-INF\config\custom".

Open notepad and enter the following text "authentication.visible=true", save your file as

"BIlaunchpad.properties". **Don't save it as a textfile!!!**



**Voer uw gebruikersgegevens in en klik op Aanmelden.**

(Neem contact op met de systeembeheerder als u twijfelt over uw accountgegevens.)

Systeem:	<input type="text" value="INSTALL:6400"/>
SAP-systeem:	<input type="text" value="BWD"/>
SAP-client:	<input type="text" value="100"/>
Gebruikersnaam:	<input type="text" value="administrator"/>
Wachtwoord:	<input type="password"/>
Verificatie:	<input type="text" value="SAP"/>

Step 4: Restart Tomcat application server and start the BI Launchpad. Now you can choose your own verification type.