SAP BUSINESSOBJECTS BUSINESS INTELLIGENCE PLATFORM 4.1 SP4 התקנת שרת

• שרת בסיסי עם Windows 2012

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- Mindows feature .net 3.5
- fetures לכן יש להוסיף דרך Win Server 2012 לא אפשרית ב Adobe Flash Player סרקנת •

	Add Roles and Features Wizard	
Select features		DESTINATION SERVER WIN-HCQ46F1FI7E
Before You Begin Installation Type Server Selection Server Roles Features Confirmation	Select one or more features to install on the selected server. Features Telnet Server TFTP Client Graphical Management Tools and Infrastructure	Description Desktop Experience includes features of Windows 8, such as Windows Media Player, desktop themes, and photo management. Desktop Experience does not enable any of the Windows 8 features; you
Results	✓ Desktop Experience ✓ Server Graphical Shell (Installed) ○ Windows Biometric Framework ○ Windows Feedback Forwarder ○ Windows Identity Foundation 3.5 ○ Windows Internal Database ▷ ○ ○ Windows PowerShell (Installed) ▷ ○ ○ Windows Search Service ○ ○ ○ Windows Server Backup	must manually enable them.
	< Previous Ne	xt > Install Cancel

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

Tomcat Port o

- Connection Port = 8080
 - Shutdown Port = 8005
- Redirection Port = 8443
- HTTP Listening Port 6405
- LCM_repository Port = 3690
 - java SDK התקנת •

Post Installation

- הגישה היא דרך נתיב הנ"ל <u>http://server FQDN:<PORT>/BOE/CMc</u> כלומר במקרה שלנו
 <u>http://server FQDN:8080/BOE/CMC</u>
 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)
 SBOP BI PLATFORM 4.1 SP2 CLIENT TOOLS WINDOWS כמו כן צריך להתקין בתחנות המשתמשים דרך
 עפט נן צריך להתקין בתחנות המשתמשים דרך Web Intelligence Rich Client

הגדרת SSO בין ה BO הגדרת

• 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

(Windos 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 Busines jects\SAP BusinessObjects Enterprise XI 4.0\java\lib	sOb
C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise XI \java\lib>"C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Ent rise XI 4.0\win64_x64\sapjvm\bin\java" -jar PKCS12Tool.jar -alias mywin -stor ss admin1 -dname CN=palmtree	4.0 erp epa
C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise XI \java\lib>_	4.0

Keystore file is genereated at this location

- 2. 3.
- 4.
- 5. 6.

7. 8. 9.

😂 C:\Program	n Files (x86)\SAP Business() bjects	SAP BusinessObjects Enterprise XI	4.0\java\lib	_ 🗆 ×
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	E BI20		🖼 cərt.der	1 KB	Secur
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	bundles		biarengine_webisamples.prop	1 KB	PROF
	Et 🔁 external		📄 sətupConfiguration.xml	5 KB	XML C
	PeopleSoft		🔊 visualdifference, jar	141 KB	Exect 👻
•			d I		•

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

e PSE Edit Goto Certificate Environment System Import Ø Export **Trust Manage** ų Database SAP Portal CA (DSA) System PSE System SNC SAPCryptolib Own C N CO COL control Plandard

Log into SAP BW and run transaction STRUSTSSO2

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



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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) Trust Manager for Single Sign-On with Logon Ticket

System PSE	System PSE	
SNC SAPCryptolib	Own Certificate	7
SSL server standard	Owner	CN=R61
SSL client SSL Client (Standa		(Self-Signed)
X WS Security Standard	Certificate List	·
X WS Security Other System En		Owner
Keys Security WS Security Keys		CN=RW, OU=BESVM1b, O=SAP_SSO, C=CA
⊕ rue		CN-EMPIRE OU=BESVM1a, O=CONS751, C=CA
		CN=paimtree
	1	
	Provide the second seco	
	Veri. PSE	Password
	Certificate	Password
	Certificate Owner	CN=palmtree
	Certificate Owner Issuer	CN=palmtree CN=palmtree
	Certificate Owner Issuer Serial Number	CN=palmtree CN=palmtree 16DE1DEAB4CE6E019F482FC505489756
	Certificate Owner Issuer Serial Number Valid From	Password CN=palmtree CN=palmtree 16DE1DEAB4CE6E019F482FC505489756 14.12.2010 21:46:08 to 11.12.2020 21:46:08
	Certificate Owner Issuer Serial Number Valid From Check Sum	Password CN=palmtree CN=palmtree 16DE1DEAB4CE6E019F482FC505489756 14.12.2010 21:46:08 to DB:71:D0:9B:1C:7C:D8:F2:9A:E4:FE:BB:57:E2:95:DD
	Veri. PSE Certificate Owner Issuer Serial Number Valid From Check Sum	Password CN=palmtree CN=palmtree 16DE1DEAB4CE6E019F482FC505489756 14.12.2010 21:46:08 DB:71:D0:9B:1C:7C:D8:F2:9A:E4:FE:BB:57:E2:95:DD
	Veri. PSE Certificate Owner Issuer Serial Number Valid From Check Sum	Password CN=palmtree CN=palmtree 16DE1DEAB4CE6E019F482FC505489756 14.12.2010 14.12.2010 21.46.08 DB:71:D0.98:1C:7C:D8:F2:9A:E4:FE:BB:57:E2:95:DD Add to Certificate List Add to ACL
	Veri. PSE Certificate Owner Issuer Serial Number Valid From Check Sum	Password CN=palmtree CN=palmtree 16DE1DEAB4CE6E019F482FC505489756 14.12.2010 14.12.2010 21.46.08 DB:71:D0.9B:1C:7C:D8:F2:9A:E4:FE BB:57:E2:95:DD Add to Certificate List Add to ACL
	Veri. PSE Certificate Owner Issuer Serial Number Valid From Check Sum ELogon Ticket	Password CN=paimtree CN=paimtree 16DE1DEA94CE6E019F482FC505489756 14 12 14 12 2019 21 46 68 DB:71:D0.9B:1C:7C:D8:F2:9A:E4:FE:3B:57:E2:95:DD Add to Certificate List Add to ACL
	Veri. PSE Certificate Owner Issuer Serial Number Valid From Check Sum Check Sum Logon Ticket	Password CN=palmtree CN=palmtree 16DE1DEA94CE6E019F482FC505489756 14 12 14 12 DB:71:D0:9B:1C:7C:D8:F2:9A:E4:FE:9B:57:E2:95:DD Add to Certificate List Add to ACL
	Veri. PSE Certificate Owner Issuer Serial Number Valid From Check Sum ECCO	Password CN=palmtree CN=palmtree 16DE1DEA94CE6E019F482FC505489756 14.12.2010 14.12.2010 21.46.08 DB:71:D0.9B:1C:7C:D8:F2:9A:E4:FE BB:57:E2:95:DD Add to Certificate List Add to Certificate List Add to Certificate List Access Control List (ACL) System [CL. [Certificate Owner

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



Save all changes.

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

ntitlement Systems	
Entitlement Systems Role I	mport SNC Settings Options User Update
Logical system name R61C	LNT800
System R61 Client 800	Disab
Load balancing	Application host
	The second comparison of the second sec
Message Server	Application Server papgymwin041.dhcp
Message Server	Application Server papgymwin041.dhcp System Number 00
Message Server	Application Server papgymwin041.dhcp System Number 00 User name (8140
Message Server	Application Server papgymwin041.dhcp System Number 00 User name 8540 Password
Message Server	Application Server papgimwin041.dhcp System Number 00 User name 8940 Password ••••••• Language Ien
Message Server	Application Server papgirmwin041.dhcp System Number 00 User name 840 Password ••••••• Language Ien
Message Server	Application Server papgirmwin041.dhcp System Number 00 User name 840 Password ••••••• Language en SNC name

Log into the Centr	al Management Cons	sole as administra	ntor. Go to authe	ntication • S	AP. Page	
Entitlement	systems.	Enter	your	SAP	system	details.

	Role Import		
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	BOB, QA, ROLE, AITH, EL BOB, QA, ROLE, AITH, EL BOB, QA, ROLE, AITH, EL BOB, QA, ROLE, AITH, EA	× Remove All	
		Interio	

Import the role that we want

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Contract of Contract of Contract		
	P. Constant	-
Default system		<u>.</u>
Content folder root	/SAP/2.0/	
Connection Option		
Max, number of fail	ed attempts to acces	s entitlement system
Keep entitlement sy	stem disabled [second	lo lo
and the second second second		10

Check if the SAP Authentication is enabled.

Central Management Console

options						
week europeuleut skoletu rusonien (secoura)	10					
Max. concurrent connections per system	10					
Number of uses per connection	Choose File to Up	load				1
2015 CC	Look in	C keystore		•	1	
Users	THE OWNER.	Enlost der			a set a set a	N
Role for imported user		Skeystore.pl	2			
Concurrent users	My Recent Destatuted					
C Named users						
Attribute Binding Options						
Import Full Name and Email Address	Desktop.					
3 Set priority of SAP attribute binding relative to other i	attri					
SAP SSO Service						
System ID PALM	100					
tio key store file has been uploaded	My Computer					
Select a key success to prove the file must be in pkrs#1	2 fp					
Parana I			12		22	
Drowse	My Network	File pane:	keystone p12		*	<u>O</u> pen
Key Store Password	Passel	Files of type	All Files (".")		*	Cancel
Private Key Password						1.53
Drivate Key Alian		-				
rivea wy mas						

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Import keystore keystore.p12 file

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

Max. concurrent connections per s	ystem	10	
Number of uses per connection		5	
Users Role for imported user Concurrent users Named users			
Attribute Binding Options Import Full Name and Email A Import Full Name and Email A Import Full Name and Email A	ddress binding relative to othe	r attribute bindings	
SAP SSO Semile			
System ID	PALM		
	and the second se		

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)

User Update
Entitlement Systems Role Import SNC Settings Options User Update
Manage regular updates of user roles only or of user roles and user aliases from SAP systems. Run the update once by selecting "Update Now," or set up a regularly scheduled update.
Update Roles Only
Update Now Schedule Cancel Scheduled Updates
Last Scheduled Update: There is no record of a previous update attempt. Next Scheduled Update: Roles update has not been scheduled.
Update Roles and Aliases
Update Now Schedule Cancel Scheduled Updates
Last Scheduled Update: There is no record of a previous update attempt.
Next Scheduled Update: User alias update (including roles) has not been scheduled.

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.

Aanmelden bij Bl-startpunt		-
Aanneiden bij bi-startpunt		
Voor uw gebruikers gegeve	s in an klik on Aanmaldan	
(Neem contact op met de syste	mbeheerder als u twijfelt over uw accountg	egevens.)
24 51.09 392		100
Systeem:	INSTALL:6400	
Gebruikersnaam:		
Wachtwoord:		
	Aanmelden	

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

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				·			
	Display Name	Version	Status	Description			
	🗐 Apache Tomcat 6.0.24	2.0.6.0	👩 Stopped				
	BW-publicatieservice_BOE140BWPublisher	14.0.3.613	👩 Stopped	Hiermee wordt een groep Crystal Report-uitgevers beheerd			
	🗐 Server Intelligence Agent (INSTALL)	2.0.6.0	🐻 Running	Manages BusinessObjects Enterprise Servers			

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

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

	SAP	BusinessObjects
Aanmelden	bij Bl-startpunt	He
Voer uw	gebruikersgegevens in en klik op Aanmelden.	20
(Neem co	ntact op met de systeembeheerder als u twijfelt over uw account	gegevens.)
	Systeem: INSTALL:6400	
	SAP-systeem: BWD	
	SAP-client: 100	
	Gebruikersnaam: administrator	
	Wachtwoord:	
		1
	Aanmelden	

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