



Web Dispatcher Installation and Configuration

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1. About this Document

1.1 Overview

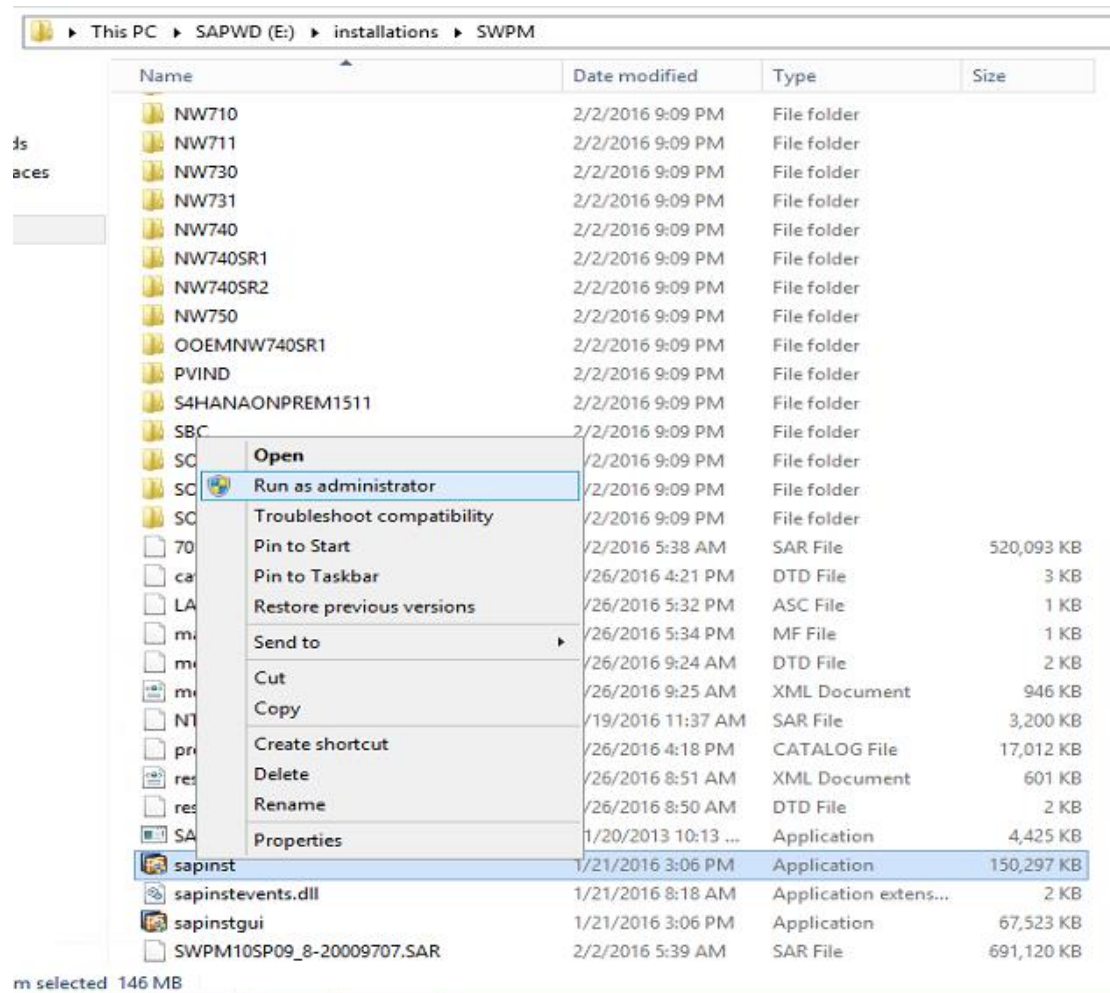
This document consists of Web Dispatcher Installation and Configuration steps.

1.2 Audience

This document is intended for Basis team.

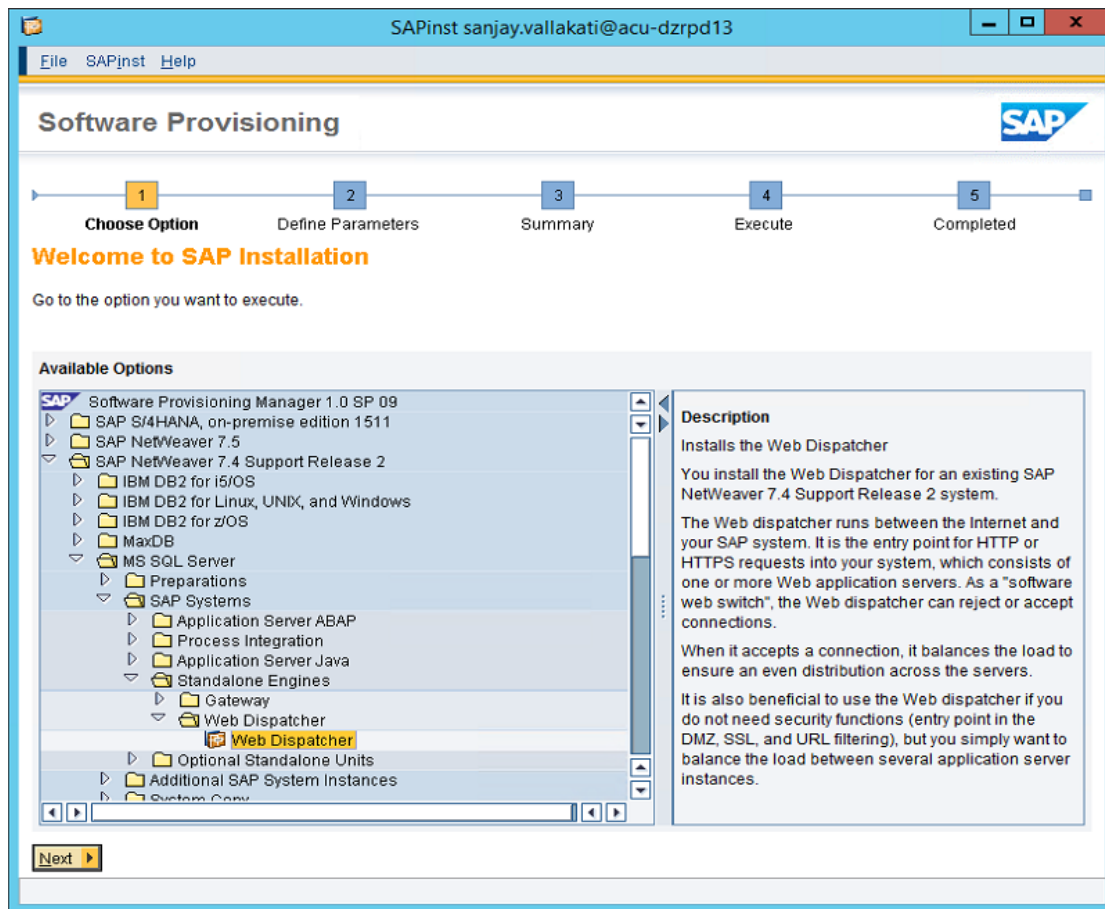
2. Installing Web Dispatcher

Following are the steps to be followed for Installing Web Dispatcher.



Name	Date modified	Type	Size
NW710	2/2/2016 9:09 PM	File folder	
NW711	2/2/2016 9:09 PM	File folder	
NW730	2/2/2016 9:09 PM	File folder	
NW731	2/2/2016 9:09 PM	File folder	
NW740	2/2/2016 9:09 PM	File folder	
NW740SR1	2/2/2016 9:09 PM	File folder	
NW740SR2	2/2/2016 9:09 PM	File folder	
NW750	2/2/2016 9:09 PM	File folder	
OOEMNW740SR1	2/2/2016 9:09 PM	File folder	
PVIND	2/2/2016 9:09 PM	File folder	
S4HANAONPREM1511	2/2/2016 9:09 PM	File folder	
SBC	2/2/2016 9:09 PM	File folder	
SC	2/2/2016 9:09 PM	File folder	
SC	2/2/2016 9:09 PM	File folder	
SC	2/2/2016 9:09 PM	File folder	
70	2/2/2016 5:38 AM	SAR File	520,093 KB
ca	2/26/2016 4:21 PM	DTD File	3 KB
LA	2/26/2016 5:32 PM	ASC File	1 KB
ma	2/26/2016 5:34 PM	MF File	1 KB
ma	2/26/2016 9:24 AM	DTD File	2 KB
ma	2/26/2016 9:25 AM	XML Document	946 KB
NT	1/19/2016 11:37 AM	SAR File	3,200 KB
pr	2/26/2016 4:18 PM	CATALOG File	17,012 KB
res	2/26/2016 8:51 AM	XML Document	601 KB
res	2/26/2016 8:50 AM	DTD File	2 KB
SA	1/20/2013 10:13 ...	Application	4,425 KB
sapinst	1/21/2016 3:06 PM	Application	150,297 KB
sapinstevents.dll	1/21/2016 8:18 AM	Application extens...	2 KB
sapinstgui	1/21/2016 3:06 PM	Application	67,523 KB
SWPM10SP09_8-20009707.SAR	2/2/2016 5:39 AM	SAR File	691,120 KB

m selected 146 MB





SAPinst sanjay.vallakati@acu-dzrpd13: SAP NetWeaver 7.4 Support Release 2 > SAP ASE > SAP Syst...

File SAPinst Help

Software Provisioning

SAP

1

Choose Option

2

Define Parameters

3

Summary

4

Execute

5

Completed

Parameter Settings

Choose whether you want to run the installation in a typical or a custom mode.

Parameter Settings

Parameter Mode ☐ Typical ☒ Custom

Additional Information

You can run the installation either in a typical or a custom mode:

- Typical Mode**
If you choose *Typical*, the option is performed with default settings. As a result, you only have to respond to a small selection of prompts. If you want to change any of the default settings, you can do so on the *Parameter Summary* screen.
Note that if you choose the *Typical* setting and then choose *Back* after processing one or more input screens, the *Custom* setting is activated. You are now guided through all screens with the default parameters that have been applied in the background so far.
- Custom Mode**
If you choose *Custom*, you are prompted for all parameters. At the end, you can still change any of these parameters on the *Parameter Summary* screen.

Back

Next



SAPinst sanjay.vallakati@acu-dzrpd13: SAP NetWeaver 7.4 Support Release 2 > MS SQL Server > SA...

File SAPinst Help

Software Provisioning

1 Choose Option 2 **Define Parameters** 3 Summary 4 Execute 5 Completed

General SAP System Parameters

Enter the system ID and destination drive.

SAP System



SAP System ID (SAPSID) *

Destination Drive

Additional Information
The SAP System ID is an identifier for your SAP system. It must be unique throughout your system landscape.
The system is installed under <Destination Drive>:\usr\sap\<SAPSID>\....

Password

:

File SAPInst Help

Software Provisioning

1

2

3

4

5

Choose Option
 Define Parameters
 Summary
 Execute
 Completed

Master Password

Enter the master password for all users.

Master Password

The master password is used for all users that are created, as well as for the secure store key phrase. Check the F1 help for restrictions and dependencies.

Password for All Users *

Confirm *

Additional Information

If you want to set an individual password for each user, you can do this in the corresponding parameter section on the *Parameter Summary* screen.

If you set individual passwords, a new master password does not overwrite these individual settings.

Back
 Next



SAPinst sanjay.vallakati@acu-dzrpd13: SAP NetWeaver 7.4 Support Release 2 > MS SQL Server > SA...

File SAPinst Help

Software Provisioning

1

Choose Option

2

Define Parameters

3

Summary

4

Execute

5

Completed

Windows Domain

Choose the Windows domain in which you want to create the SAP system accounts.

SAP System User Domain

SAP System ID (SAPSID) W00

Domain Model

☒ Local Domain

☐ Domain of Current User

☐ Different Domain

Windows Domain *

Additional Information

- If you want the SAP system to run on one host, you can choose *Local Domain* (local installation).
- If you want the system to be distributed on several hosts, we strongly recommend that you perform a domain installation to avoid authorization problems.
- If you want to install a high-availability system with MSCS, you must perform a domain installation

To perform a domain installation and have the operating system users created during the installation, you must be a domain administrator. Otherwise, you have to create all operating system users before the installation.

For more information about Windows domains, see the Windows documentation.

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Next



SAPinst sanjay.vallakati@acu-dzrpd13: SAP NetWeaver 7.4 Support Release 2 > SAP ASE > SAP Syst...

File SAPinst Help

Software Provisioning

1 Choose Option **2** Define Parameters **3** Summary **4** Execute **5** Completed

Operating System Users

Enter the passwords of the operating system users.

SAP System Administrator
Account: acu-dzrpd13\gd0adm
Password of SAP System Administrator
Confirm

SAP System Service User
Account: acu-dzrpd13\SAPServiceGD0
Password of SAP System Service User
Confirm

SAPinst sanjay.vallakati@acu-dzrpd13: SAP NetWeaver 7.4 Support Release 2 > SAP ASE > SAP Syst...

File SAPinst Help

Software Provisioning

1 Choose Option

Media Browser

Enter the location of the required

Software Package Request

Medium
Kernel NW740 SR2

Additional Information

The required software packages

If you do not want to check the locations of the software packages now, deselect the flag in the Check Location column. Later, you are prompted again to check the locations of the software packages.

Back Next

5 Completed

Check Location
Browse... <input checked="" type="checkbox"/>

File Browser

Select the file.

- My Computer
 - C:
 - E:
 - \$RECYCLE.BIN
 - System Volume Information
 - installations
 - Kernel742
 - 51049724_10
 - DATA_UNITS
 - CDLABEL.ASC
 - CDLABEL.EBC
 - COPY_TM.HTM
 - COPY_TM.TXT
 - LABEL.ASC**
 - LABEL.EBC
 - LABELIDX.ASC
 - MD5FILE.DAT
 - MID.XML
 - SHAFIELDAT
 - VERSION.ASC
 - VERSION.EBC
 - 51049724_10.zip
 - SAPCAR patch number 510

File LABEL.ASC

OK Cancel

SAPinst Administrator@INNOGDCSERV: SAP NetWeaver 7.0 including Enhancement Package 3 > Standalone Engines > Web Disp...

File SAPinst Help

Software Provisioning

1 Choose Option

Media Browser > Software

Enter the location of the required software packages.

Software Package Request

Medium
Kernel NW 7.20 / 7.21

Additional Information
 The required software packages are listed below. If you do not want to check the locations of the software packages now, deselect the flag in the *Check Location* column. Later, you are prompted again to check the locations of the software packages.

Back Next

5 Completed

Check Location

Check Location
Browse...

Select the file.

- My Computer
 - C:
 - D:
 - E:
 - \$RECYCLE.BIN
 - System Volume Information
 - mWorklist
 - profile_backup
 - usr
 - Krnl_7.21_WIN_IA32_IA64_x64_SP09_
 - DATA_UNITS
 - CDLABEL.ASC
 - CDLABEL.EBC
 - COPY_TM.HTM
 - COPY_TM.TXT
 - LABEL.ASC**
 - LABEL.EBC
 - LABELID.ASC
 - MID.XML
 - SHAFIL.DAT
 - VERSION.ASC
 - VERSION.EBC
 - SWPM_SP08

File LABEL.ASC

OK Cancel



SAPinst sanjay.vallakati@acu-dzrpd13: SAP NetWeaver 7.4 Support Release 2 > SAP ASE > SAP Syst...

File SAPinst Help

Software Provisioning

1 Choose Option **2** Define Parameters **3** Summary **4** Execute **5** Completed

Media Browser

Enter the location of the required software packages.

Software Package Request

Medium	Package Location		Check Location
Kernel NW740 SR2	E:\installations\Kernel742\5104972...	Browse...	<input checked="" type="checkbox"/>

Additional Information
The required software packages available on the medium are detected using the identification files LABEL.ASC or LABELIDX.ASC.
If you do not want to check the locations of the software packages now, deselect the flag in the *Check Location* column. Later, you are prompted again to check the locations of the software packages.

Back Next



SAPinst sanjay.vallakati@acu-dzrpd13: SAP NetWeaver 7.4 Support Release 2 > SAP ASE > SAP Syst...

File SAPinst Help

Software Provisioning

1 Choose Option 2 **Define Parameters** 3 Summary 4 Execute 5 Completed

Windows Domain for SAP Host Agent

Select the Windows domain of the SAP system accounts for the SAP Host Agent.

SAP Host Agent User Domain

SAP System ID (SAPSID)

Domain Model

- ☒ Local Domain
- ☐ Domain of Current User
- ☐ Different Domain

Windows Domain*

Back Next



SAPinst sanjay.vallakati@acu-dzrpd13: SAP NetWeaver 7.4 Support Release 2 > SAP ASE > SAP Syst...

File SAPinst Help

Software Provisioning

SAP

1 Choose Option 2 **Define Parameters** 3 Summary 4 Execute 5 Completed

Operating System Users

Enter the passwords of the operating system users.

SAP System Administrator

Account: *acu-dzrpd13\sapadm*

Password of SAP System Administrator

Confirm

Back Next



SAPinst sanjay.vallakati@acu-dzrpd13: SAP NetWeaver 7.4 Support Release 2 > SAP ASE > SAP Syst...

File SAPinst Help

Software Provisioning

SAP

1

Choose Option

2

Define Parameters

3

Summary

4

Execute

5

Completed

SAP Web Dispatcher

Enter the required instance parameters for the SAP Web Dispatcher instance

SAP Web Dispatcher Instance

The following SAP system instances already exist on this host:

SAP System ID (SAPSID)	Instance Name	Instance Number
------------------------	---------------	-----------------

Instance Number*

Virtual Host*

Additional Information
The *Instance Number* and *Virtual Host* for the SAP Web Dispatcher instance are technical identifiers for controlling internal processes, such as assigned memory. They must be unique for this installation host.

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Next



SAPinst sanjay.vallakati@acu-dzrpd13: SAP NetWeaver 7.4 Support Release 2 > SAP ASE > SAP Syst...

File SAPinst Help

Software Provisioning

1 Choose Option 2 **Define Parameters** 3 Summary 4 Execute 5 Completed

Message Server Parameters

Enter the required message server host and port.

SAP Message Server

Message Server Host*

SAP Back-End System ID*

Message Server HTTP Port*

Additional Information

- If your system is based on AS ABAP or on both AS ABAP and AS Java (dual stack-system), enter the parameters for the ABAP message server.
- If your system is based on AS Java only, enter the parameters for the Java message server.



SAPinst sanjay.vallakati@acu-dzrpd13: SAP NetWeaver 7.4 Support Release 2 > SAP ASE > SAP Syst...

File SAPinst Help

Software Provisioning

1 Choose Option 2 Define Parameters 3 Summary 4 Execute 5 Completed

SAP Web Dispatcher Parameters

Enter the network connection parameters

SAP Web Dispatcher Configuration

Maximum Incoming Concurrent Connections

HTTPS Port*

Configure HTTP Port ☒ No ☐ Yes

HTTP Port*

Encryption Mode

Encryption Mode

Additional Information

The *Encryption Mode* defines the encryption for communication between the SAP Web Dispatcher and the back-end system. Select one of the following values from the *Encryption Mode* drop down box:


- If you select *Always*, HTTPS is used.
- If you select *Never*, HTTP is used.
- If you select *Depending on the incoming protocol*, HTTPS is used for requests to the SAP Web Dispatcher HTTPS port, whereas HTTP is used for requests to the SAP Web Dispatcher HTTP port.

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SAPinst sanjay.vallakati@acu-dzrpd13: SAP NetWeaver 7.4 Support Release 2 > SAP ASE > SAP Syst...

File SAPinst Help

Software Provisioning



1 Choose Option 2 **Define Parameters** 3 Summary 4 Execute 5 Completed

ICM User Management

Enter the password of the web administration user 'webadm'.

Internet Communication Manager (ICM) User Management

Password of 'webadm' *

Confirm *

Additional Information
An administration user *webadm* is created to use the web administration interface for Internet Communication Manager (ICM) and Web Dispatcher.



SAPinst sanjay.vallakati@acu-dzrpd13: SAP NetWeaver 7.4 Support Release 2 > SAP ASE > SAP Syst...

File SAPinst Help

Software Provisioning

1 Choose Option **2** Define Parameters **3** Summary **4** Execute **5** Completed

Activation of ICF Nodes

If your system is based on AS ABAP, enter the parameters for the activation of the Internet Connection Framework (ICF) nodes for the SAP Web Dispatcher.

Internet Connection Framework (ICF)

☐ Activate ICF Nodes

RFC Connection

Application Server Instance Host*

Application Server Instance Number*

SAP System Client

RFC User*

Password of RFC User*

Additional Information

The SAP Web Dispatcher uses ICF services of the SAP ABAP system's application servers to retrieve information about server groups and URL mappings. By default, all ICF services are inactive. For more information, see [SAP Note 552286](#).



SAPinst sanjay.vallakati@acu-dzrpd13: SAP NetWeaver 7.4 Support Release 2 > MS SQL Server > SA...
File SAPinst Help

Software Provisioning

1

Choose Option

2

Define Parameters

3

Summary

4

Execute

5

Completed

Unpack Archives

Select the archives you want to unpack.

SAP System Archives

The installation procedure has determined that the selected archives have to be unpacked. Choose *Next* to unpack the archives automatically from the media to the SAP global host.

Archives to Be Unpacked

Unpack Archive	Codepage	Destination	Downloade...	
DBINDEP\SAPEXE.SAR	Non-Unicode	E:\usr\sap\WD0\SYS\exe\nuc\NTAMD64		

Additional Information

If you have downloaded newer versions of these archives from SAP Service Marketplace, enter their locations in the *Downloaded To* column. Deselect *Unpack* for archives that you want to unpack manually: for instance if the destination is located on a network share for which the installation user does not have write permissions.

Additional Information for SAP HANA

If you are installing a product based on SAP HANA please download the latest SAPEXE.SAR and SAPEXEDB.SAR of your SAP kernel from the SAP Service Marketplace and enter their respective download locations in the *Downloaded To* column. If you are installing a product based on kernel version 7.20 please use the archives of kernel version 7.21.

Back

Next

Go to next dialog.

SAPinst sanjay.vallakati@acu-dzrpd13: SAP NetWeaver 7.4 Support Release 2 > SAP ASE > SAP Syst...

File SAPinst Help

Software Provisioning

1 Choose Option 2 **Define Parameters** 3 Summary 4 Execute 5 Completed

Install Diagnostics Agent

Define your Diagnostics Agent installation strategy and decide whether to install the Diagnostics Agent for diagnostics in SAP Solution Manager.

Diagnostics Agent for Diagnostics in SAP Solution Manager

☐ Install Diagnostics Agent

Additional Information
It is recommended to **not install** the Diagnostics Agent together with the managed system when using *Agents On-the-fly* functionality. Refer to SAP Note [1365123](#) for guidance and details.

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SAPinst sanjay.vallakati@acu-dzrpd13: SAP NetWeaver 7.4 Support Release 2 > MS SQL Server > SA...

File SAPinst Help

Software Provisioning

1 Choose Option 2 Define Parameters 3 **Summary** 4 Execute 5 Completed

Parameter Summary

Choose 'Next' to start with the values shown. Otherwise, select the parameters to be changed and choose 'Revise'. You are then taken to the screen where you can change the parameter. You might be guided through other screens that have so far been processed.

Parameter List

- ☐ **Parameter Settings**
Parameter Mode
Custom
- ☐ **General SAP System Parameters**
SAP System ID (SAPSID)
WD0
Destination Drive
E:
- ☐ **Master Password**
Password for All Users

- ☐ **Windows Doma...**
Domain Model
Local Domain
- ☐ **Operating System Users**

Back Next Revise

SAPinst sanjay.vallakati@acu-dzrpd13: SAP NetWeaver 7.4 Support Release 2 > MS SQL Server > SA...

File SAPinst Help

Software Provisioning


1 Choose Option 2 Define Parameters 3 Summary 4 **Execute** 5 Completed

Task Progress

Running phase: Create users for SAP system

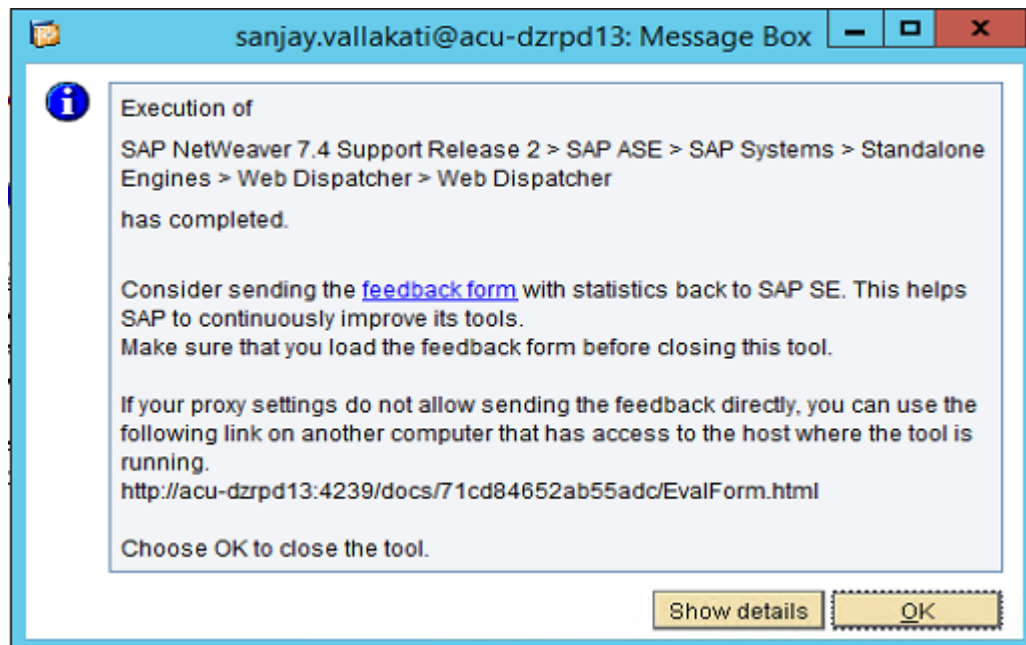
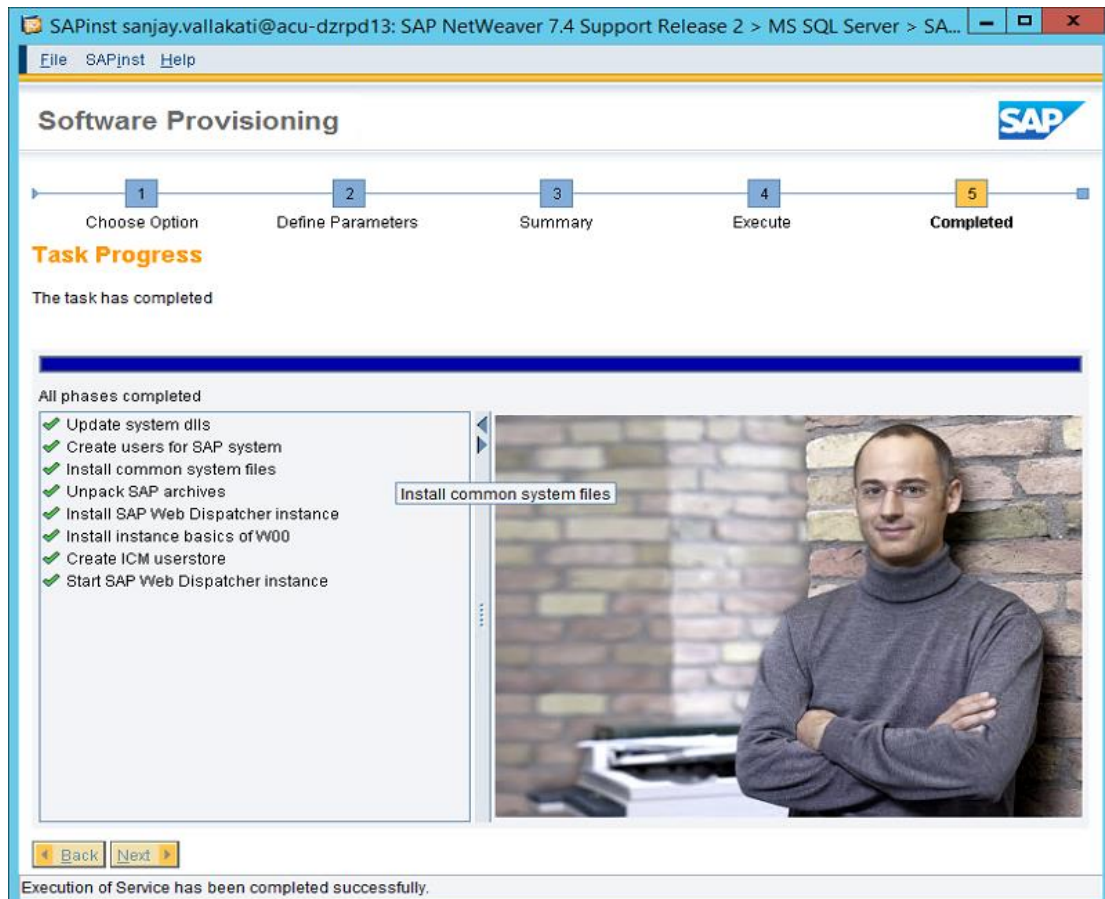
Phase 2 of 8

- ✓ Update system dlls
- Create users for SAP system
- ◇ Install common system files
- ◇ Unpack SAP archives
- ◇ Install SAP Web Dispatcher instance
- ◇ Install instance basics of W00
- ◇ Create ICM userstore
- ◇ Start SAP Web Dispatcher instance



Back Next

Creating account acu-dzrpd13\SAP_WD0_LocalAdmin for system WD0...

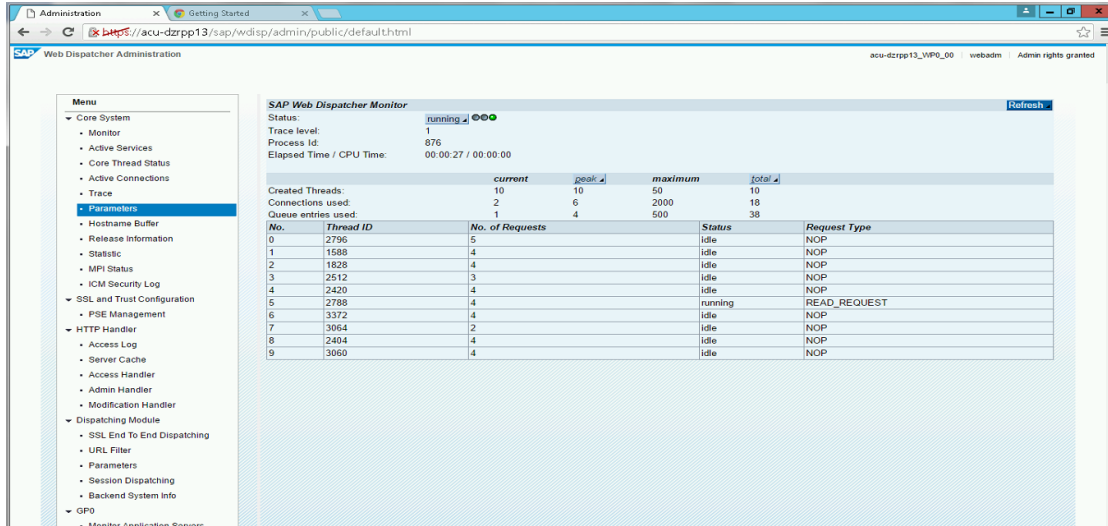


3. Configuration

Please make necessary modifications as per the sample configuration file provided.

Login into Web Dispatcher:

PSE Management:



The screenshot shows the SAP Web Dispatcher Administration interface. On the left is a menu with options like Core System, Monitor, Active Services, Core Thread Status, Active Connections, Trace, Parameters, Hostname Buffer, Release Information, Statistic, MPI Status, ICM Security Log, SSL and Trust Configuration, PSE Management, HTTP Handler, Access Log, Server Cache, Access Handler, Admin Handler, Modification Handler, Dispatching Module, SSL End To End Dispatching, URL Filter, Parameters, Session Dispatching, Backend System Info, GP0, and Monitor Application Servers. The main area displays the 'SAP Web Dispatcher Monitor' with a status of 'running'. It shows various metrics: Trace level (1), Process Id (876), Elapsed Time / CPU Time (00:00:27 / 00:00:00). Below this is a table with columns: current, peak, maximum, total. The table shows data for Created Threads (10), Connections used (2), Queue entries used (1), and a detailed table of threads with columns: No., Thread ID, No. of Requests, Status, and Request Type.

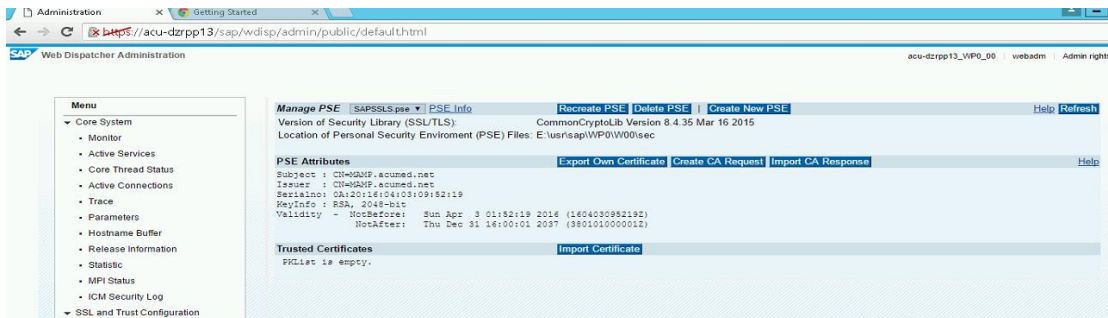
	current	peak	maximum	total
Created Threads:	10	10	50	10
Connections used:	2	6	2000	18
Queue entries used:	1	4	500	38

No.	Thread ID	No. of Requests	Status	Request Type
0	2796	5	idle	NOP
1	1588	4	idle	NOP
2	1828	4	idle	NOP
3	2512	3	idle	NOP
4	2420	4	idle	NOP
5	2788	4	running	READ_REQUEST
6	3372	4	idle	NOP
7	3064	2	idle	NOP
8	2404	4	idle	NOP
9	3060	4	idle	NOP

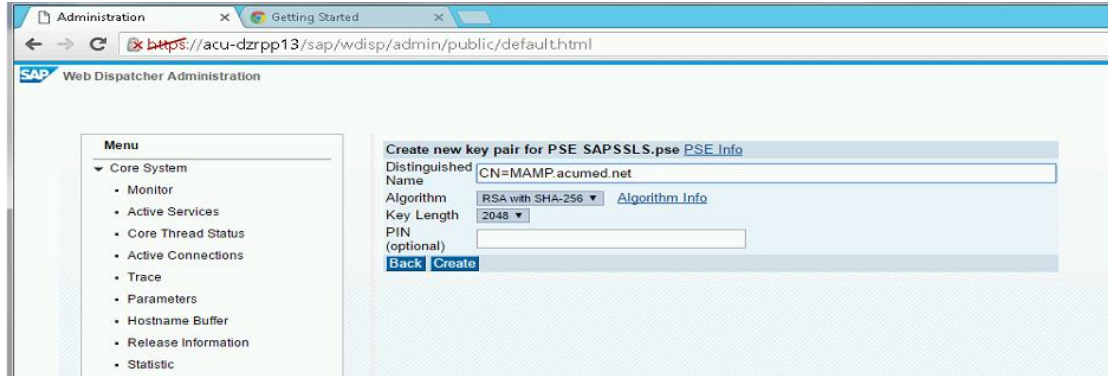
2.1 PSE Management

Click on PSE Management:

Select Recreate PSE



The screenshot shows the 'PSE Management' section of the SAP Web Dispatcher Administration interface. It includes buttons for 'Manage PSE', 'SAPSSLs.pse', 'PSE Info', 'Recreate PSE', 'Delete PSE', and 'Create New PSE'. Below these buttons, it displays the 'Version of Security Library (SSL/TLS)' as 'CommonCryptoLib Version 8.4.35 Mar 16 2015' and the 'Location of Personal Security Environment (PSE) Files' as 'E:\usr\sap\WP0\W00\sec'. The 'PSE Attributes' section shows details for the 'Subject: CN=QWP.acumed.net' and 'Issuer: CN=QWP.acumed.net', including serial number, key info, and validity dates. The 'Trusted Certificates' section shows 'PKList is empty.' and an 'Import Certificate' button.



Administration x Getting Started x

← → ↻ <https://acu-dzrpp13/sap/wdisp/admin/public/default.html>

SAP Web Dispatcher Administration

Menu

- Core System
 - Monitor
 - Active Services
 - Core Thread Status
 - Active Connections
 - Trace
 - Parameters
 - Hostname Buffer
 - Release Information
 - Statistic

Create new key pair for PSE SAPSSL.pse [PSE Info](#)

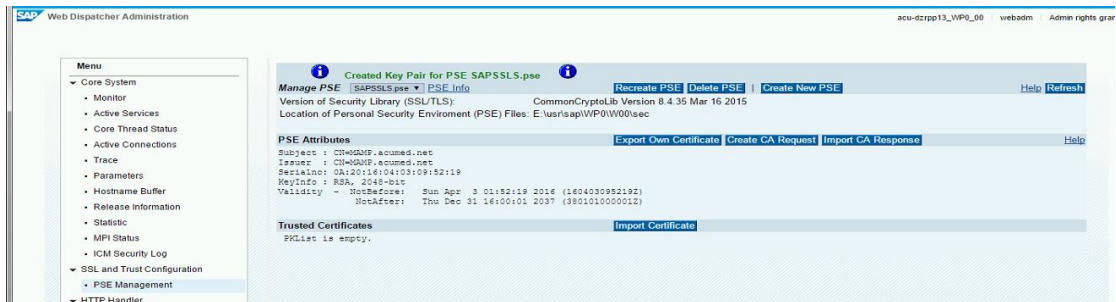
Distinguished Name:

Algorithm: [Algorithm Info](#)

Key Length:

PIN (optional):

[Back](#) [Create](#)



SAP Web Dispatcher Administration acu-dzrpp13_WP0_00 webadm Admin rights gran

Menu

- Core System
 - Monitor
 - Active Services
 - Core Thread Status
 - Active Connections
 - Trace
 - Parameters
 - Hostname Buffer
 - Release Information
 - Statistic
 - MPI Status
 - ICM Security Log
- SSL and Trust Configuration
 - PSE Management
- HTTP Handler

Created Key Pair for PSE SAPSSL.pse [PSE Info](#)

[Manage PSE](#) [Recreate PSE](#) [Delete PSE](#) [Create New PSE](#) [Help](#) [Refresh](#)

Version of Security Library (SSL/TLS): CommonCryptoLib Version 8.4.35 Mar 16 2015

Location of Personal Security Environment (PSE) Files: E:\usr\sap\WP0\W00\sec

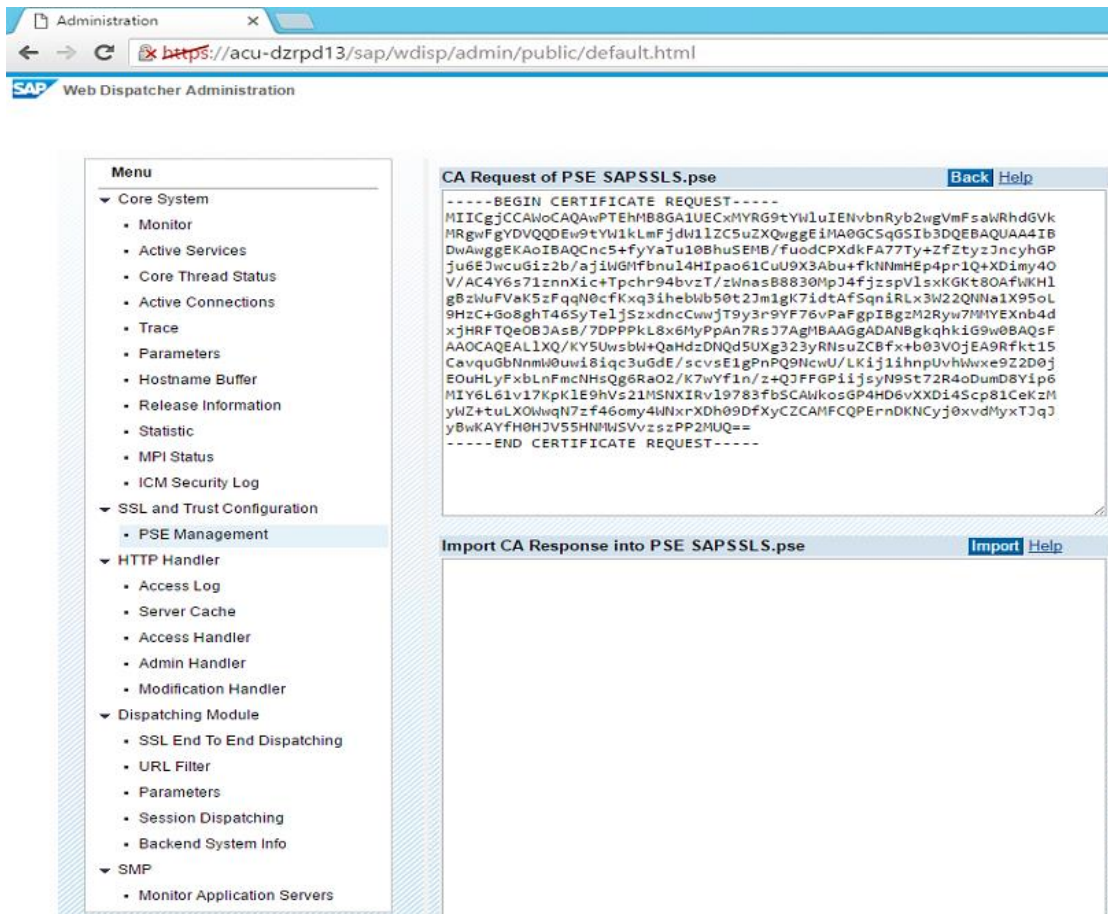
PSE Attributes [Export Own Certificate](#) [Create CA Request](#) [Import CA Response](#) [Help](#)

Subject: CN=MAMP.acumed.net
 Issuer: CN=MAMP.acumed.net
 Serialno: 0A12016104030952119
 KeyInfo: RSA, 2048-bits
 Validity: NotBefore: Sun Apr 3 01:52:19 2016 (1604030952119)
 NotAfter: Thu Dec 31 16:00:01 2037 (3801010000012)

Trusted Certificates [Import Certificate](#)

PKList is empty.

Copy the provided PSE Certificate



Administration x

← → ↻ <https://acu-dzrpd13/sap/wdisp/admin/public/default.html>

SAP Web Dispatcher Administration

Menu

- Core System
 - Monitor
 - Active Services
 - Core Thread Status
 - Active Connections
 - Trace
 - Parameters
 - Hostname Buffer
 - Release Information
 - Statistic
 - MPI Status
 - ICM Security Log
- SSL and Trust Configuration
 - PSE Management
- HTTP Handler
 - Access Log
 - Server Cache
 - Access Handler
 - Admin Handler
 - Modification Handler
- Dispatching Module
 - SSL End To End Dispatching
 - URL Filter
 - Parameters
 - Session Dispatching
 - Backend System Info
- SMP
 - Monitor Application Servers

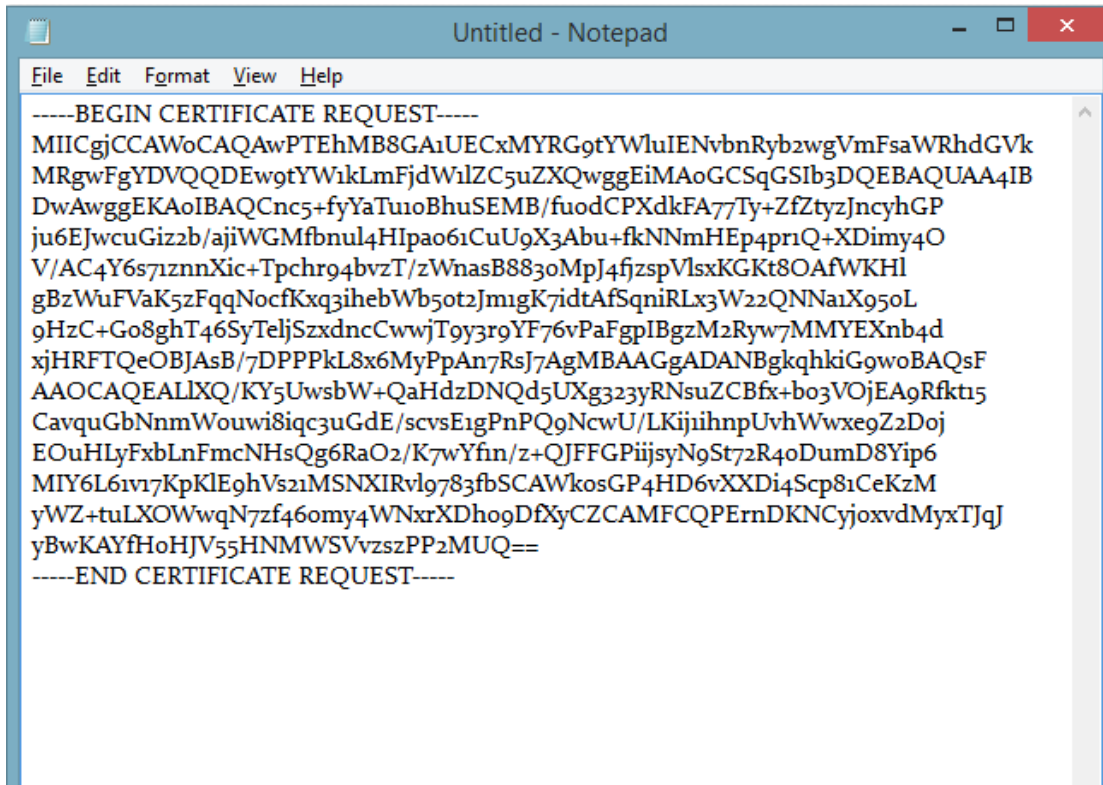
CA Request of PSE SAPSSL.pse [Back](#) [Help](#)

```

-----BEGIN CERTIFICATE REQUEST-----
MIICGjCCAwQAwPTEhMB8GA1UECwMYRG9tYW1uIENvbnRyb2wgVmFsaWRhdGvk
MRgwFgYDVQQDEw9tYW1kLmFjdW11ZC5uZXQwggEiMA0GCsqG5Ib3DQEBAAQAA4IB
DwAwggEKAAoIBAQCnc5+fyYaTu10BhuSEMB/fuodCPXdkFA77Ty+ZfZtyzJncyhGP
ju6EJwcuG1z2b/aj1WgHfBnu14HIpao61CuU9X3Abu+fKNNmHEp4pr1Q+XDImy4Q
V/AC4Y6s71znnX1c+Tpchr94bvzT/zWnasB8830MpJ4fjzspV1sxKGKt80AfWkH1
gBzWuFvK5zFqN0cFkxq3ihebWb50t2Jm1gK71dtAfSqniRLx3W22QNNa1X95oL
9HzC+Go8ghT465yTe1jSzxndcCwwJT9y3r9YF76vPaFgpIBgzM2RyW7MMYEXnb4d
xjHRTQeOBJA5B/7DPPPKL8x6MyPpAn7RsJ7AgMBAAGgADANBgkqhkiG9w0BAQsF
AAOCAQEAAL1XQ/KY5Uwsbw+QaHdzDNQd5UXg323yRNsuzCBfx+b03V0jEA9Rfkt15
CavquGbnmW0uw18iq3uGdE/scvsE1gPnQ9NcwU/LK1j1ihnpUvhwxe9Z2D0j
EOuHLYFxbLnFmcNHsQg6RaOZ/K7wyf1n/z+QJFFGP11jSyN9St72R4oDumD8Y1p6
MIY6L61v17KpK1E9hVs21MSNXIRv19783fb5CAWkosGP4HD6vXXD14Scp81CeKzH
yWZ+tuLXOWwqN7zf46omy4WNxrXdh09DFXyCZCAMFCQPErnDKNcyj8xvdMyxTJqJ
yBwKAYFH0H7V55HNMW5VvzsPP2MUQ==
-----END CERTIFICATE REQUEST-----

```

Import CA Response into PSE SAPSSL.pse [Import](#) [Help](#)



2.2 Importing CA Response Certificate:

Copy 3rd Party Generated SSL Certificates to the below location.

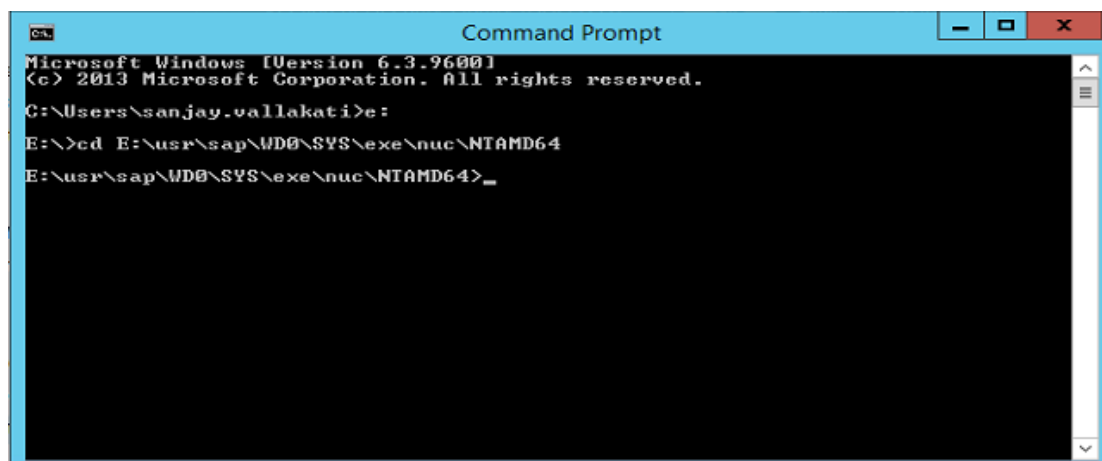
E:\usr\sap\WP0\SYS\exe\nuc\NTAMD64

Open Command Prompt as Administrator and navigate to below path.

E:\usr\sap\WP0\SYS\exe\nuc\NTAMD64

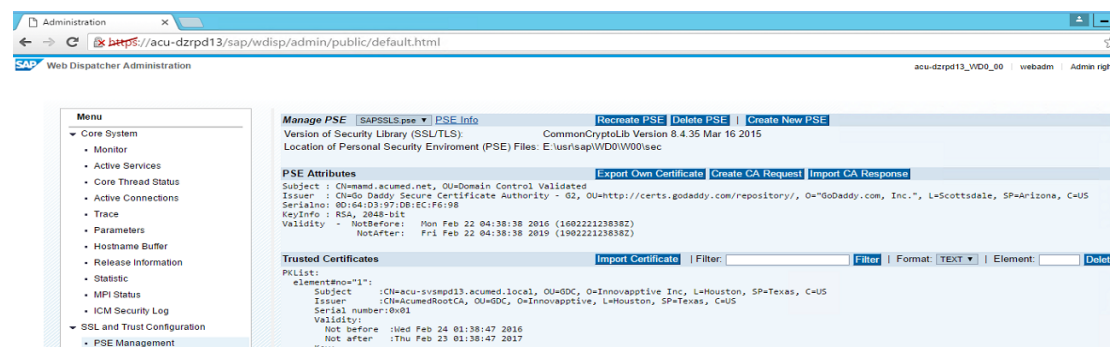
Run below cmd.

```
Sapgenpse import_own_cert -c 2b982dabbd06ce39.crt -r gd_bundle-g2-g1.crt -p
E:\usr\sap\WP0\W00\sec\SAPSSLS.pse
```

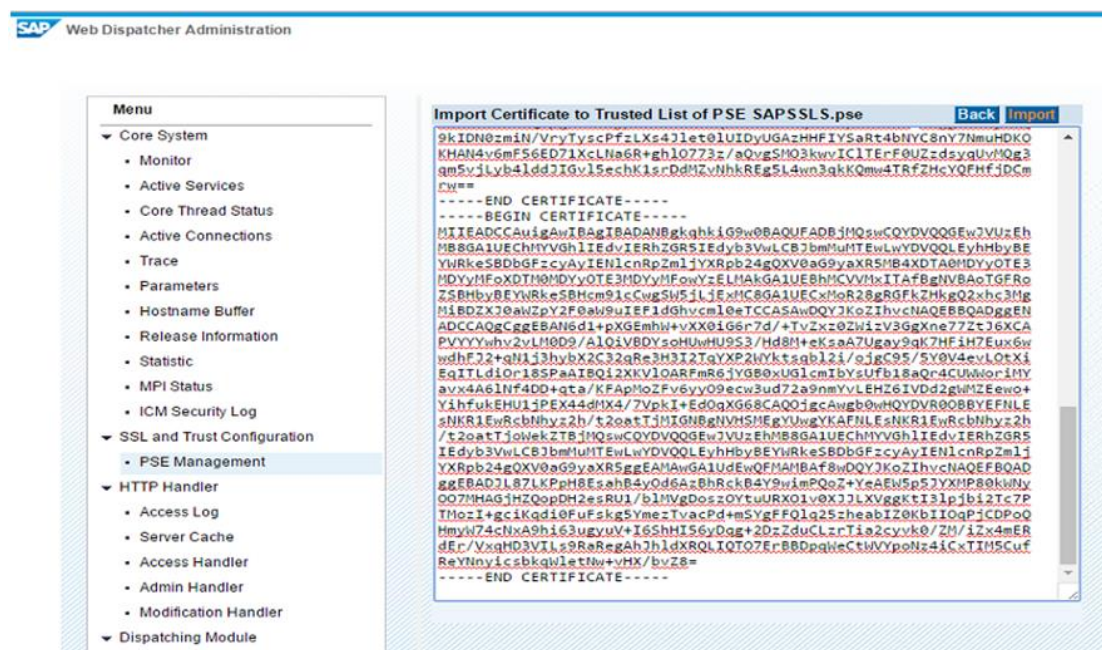


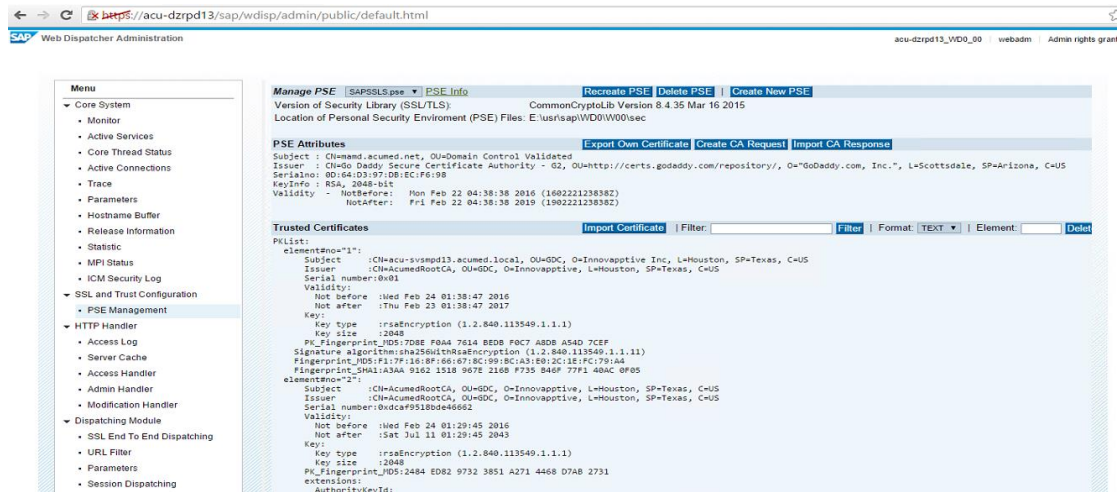
i. Import 3rd Party Root Certificate:

Import 3rd Party Root Certificate:



Click on Import and once Done Restart Web Dispatcher.





ii. Import SMP Certificate:

SMP certificate should be imported to - SAPSSLS.pse – Server certificate PSE and SAPSSLC.pse – Client certificate PSE.

We can manage the PSE at “Manage PSE” drop-down menu.

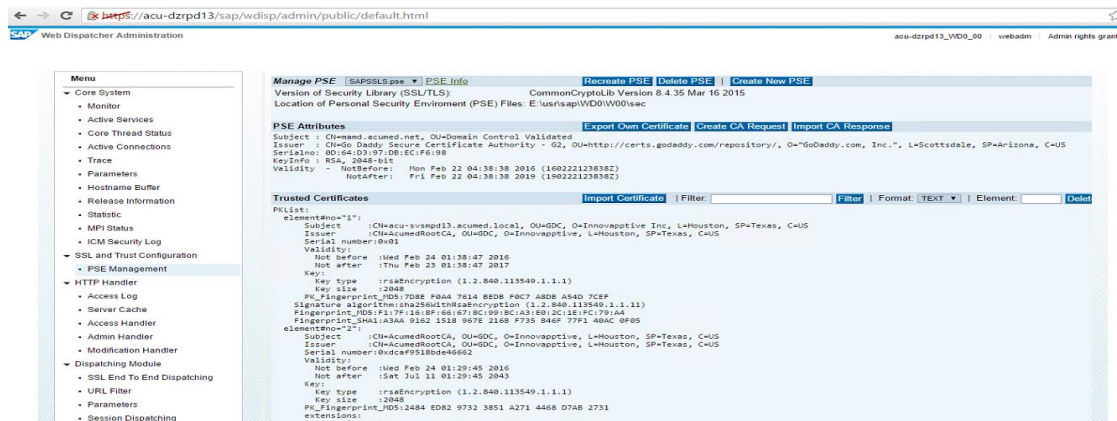
Click on “Import certificate” button and open the certificate using the notepad text editor.

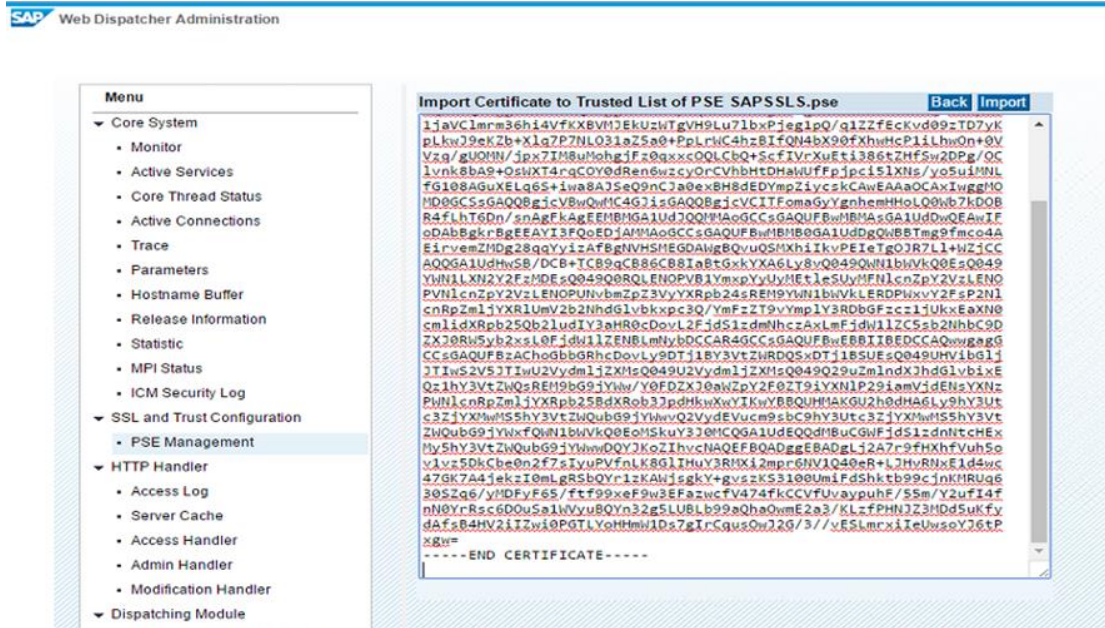
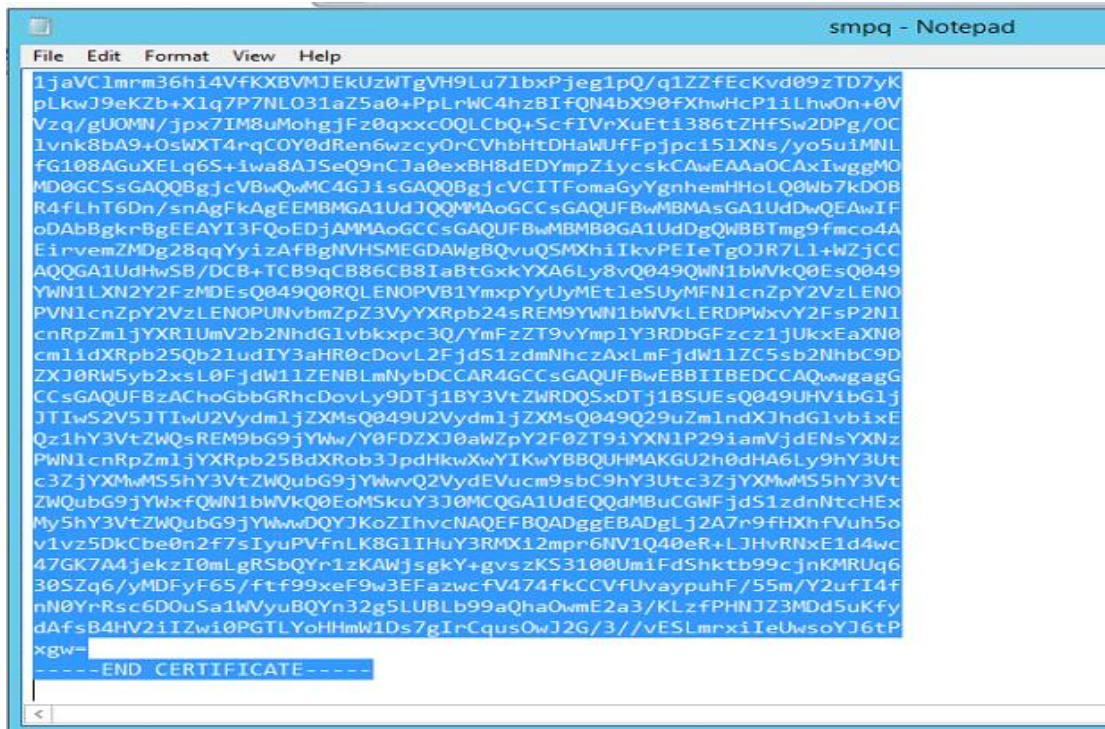
Select all its content in the notepad and copy it.

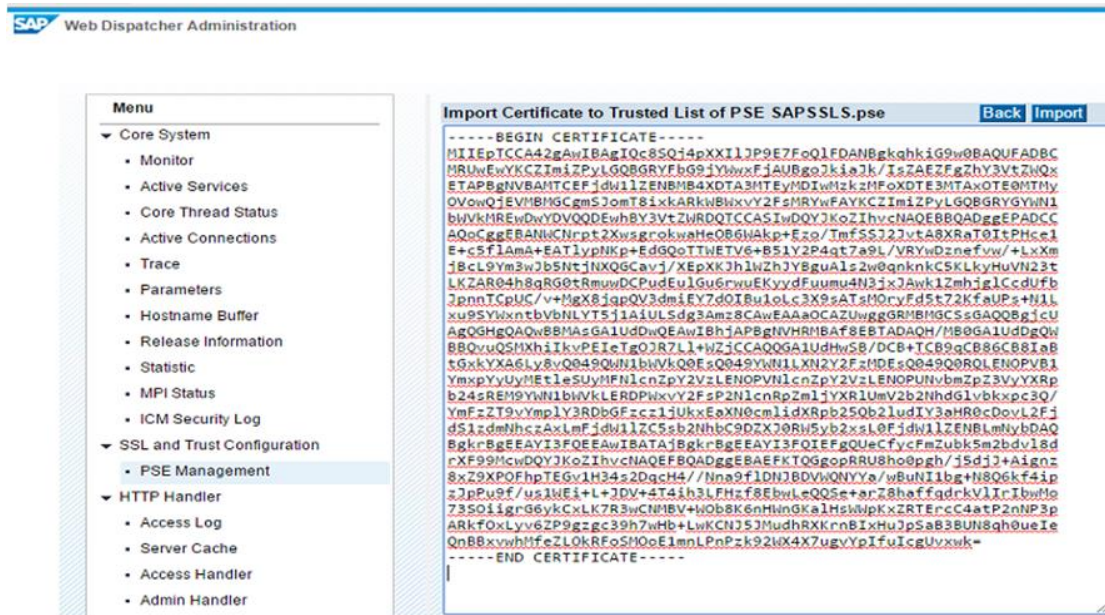
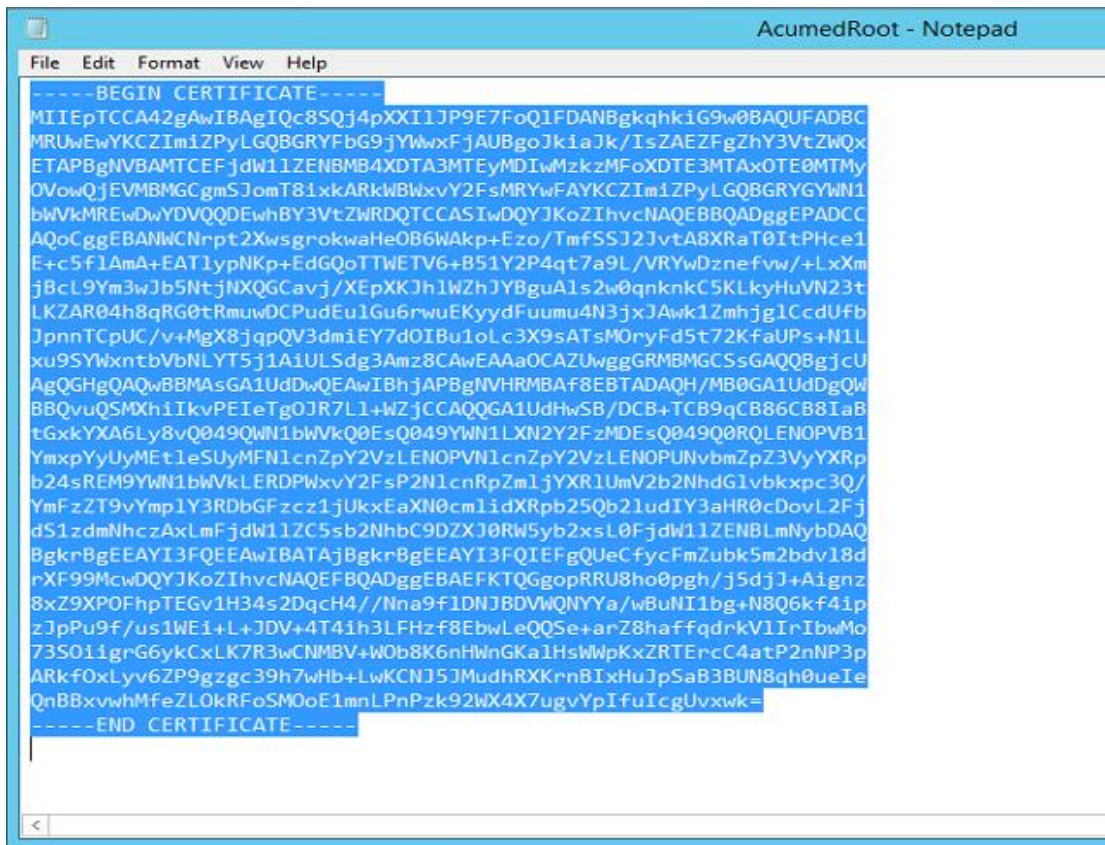
Paste the content in the empty box which opens after clicking on “Import certificate” button.

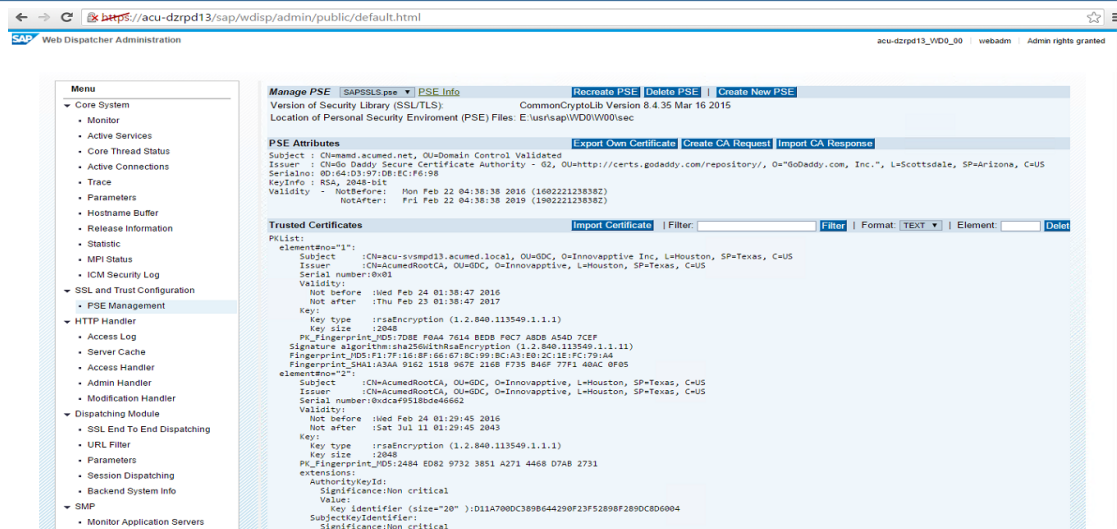
Once you have pasted the content click on import button.

These steps should be performed for both SAPSSLS.pse and SAPSSLC.pse.









Web Dispatcher Administration

acur-dzrpd13_VD0_00 | webadm | Admin rights granted

Menu

- Core System
 - Monitor
 - Active Services
 - Core Thread Status
 - Active Connections
 - Trace
 - Parameters
 - Hostname Buffer
 - Release Information
 - Statistic
 - MPI Status
- ICM Security Log
- SSL and Trust Configuration
 - PSE Management
 - Access Log
 - Server Cache
 - Access Handler
 - Admin Handler
 - Modification Handler
- Dispatching Module
 - SSL End To End Dispatching
 - URL Filter
 - Parameters
 - Session Dispatching
 - Backend System Info
- SMP
 - Monitor Application Servers

Manage PSE | **SAPSSL.pse** | **PSE Info** | **Recreate PSE** | **Delete PSE** | **Create New PSE**

Version of Security Library (SSL/TLS): CommonCryptoLib Version 8.4.35 Mar 16 2015
 Location of Personal Security Environment (PSE) Files: E:\usr\sap\WD0\W00\sec

PSE Attributes | **Export Own Certificate** | **Create CA Request** | **Import CA Response**

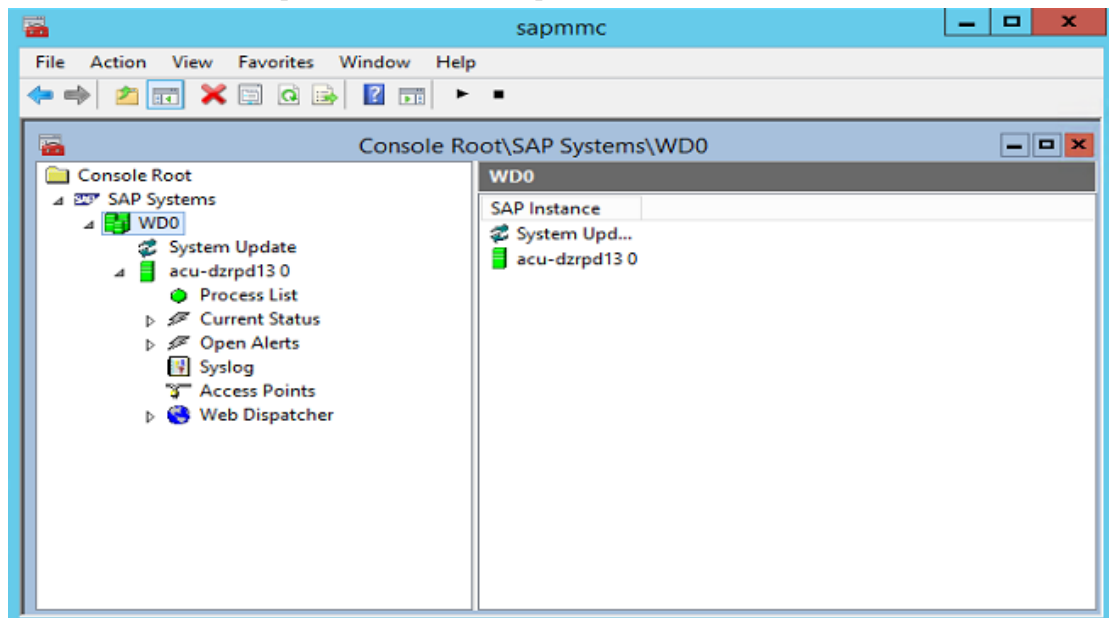
Subject : CN=mand.acumed.net, OU=Domain Control Validated
 Issuer : CN=Go Daddy Secure Certificate Authority - G2, OU=http://certs.godaddy.com/repository/, O="GoDaddy.com, Inc.", L=Scottsdale, SP=Arizona, C=US
 Serialno: 80-d4-d3-57-08-EC-F6-98
 KeyInfo : RSA, 2048-bit
 Validity : NotBefore: Mon Feb 22 04:35:38 2016 (1682221238382)
 NotAfter: Fri Feb 22 04:38:38 2019 (1902221238382)

Trusted Certificates | **Import Certificate** | Filter: | **Filter** | Format: **TEXT** | Element: | **Delete**

Plist:

- element@no="1":
 - Subject : CN=acu-sysmpd13.acumed.local, OU=QDC, O=Innovapptive Inc, L=Houston, SP=Texas, C=US
 - Issuer : CN=AcumedRootCA, OU=QDC, O=Innovapptive, L=Houston, SP=Texas, C=US
 - Serial number:0x01
 - Validity:
 - Not before :Wed Feb 24 01:38:47 2016
 - Not after :Thu Feb 23 01:38:47 2017
 - Key:
 - Key type :rsaEncryption (1.2.840.113549.1.1.1)
 - Key size :2048
 - PK_Fingerprint_MD5:7D8E F0A4 7614 BED8 FBC7 ABDE A54D 7CEB
 - Signature algorithm:sha256withRSAEncryption (1.2.840.113549.1.1.11)
 - Fingerprint_MD5:F177F168F6687BC998BCA31E82C1E1FC179A4
 - Fingerprint_SHA1:BA 9362 1118 987E 2168 F735 840F 77F1 40AC 8F05
- element@no="2":
 - Subject : CN=AcumedRootCA, OU=QDC, O=Innovapptive, L=Houston, SP=Texas, C=US
 - Issuer : CN=AcumedRootCA, OU=QDC, O=Innovapptive, L=Houston, SP=Texas, C=US
 - Serial number:0x0ca993180e4d662
 - Validity:
 - Not before :Wed Feb 24 01:29:45 2016
 - Not after :Sat Jul 11 01:29:45 2043
 - Key:
 - Key type :rsaEncryption (1.2.840.113549.1.1.1)
 - Key size :2048
 - PK_Fingerprint_MD5:2484 ED82 9732 3851 A271 4468 D7AB 2731
 - extensions:
 - AuthorityKeyId:
 - Significance:Non critical
 - Value:
 - Key Identifier (size="20"):D11A700DC389B644290F23F52898F2890C8D6004
 - SubjectKeyIdentifier:
 - Significance:Non critical

Once Certificates are imported Restart WebDispatcher.



sapmmc

File Action View Favorites Window Help

Console Root\SAP Systems\WD0

WD0

SAP Instance

System Upd...

acu-dzrpd13 0

Maintain Profile parameters for WebDispatcher to redirect to SMP.

Path: E:\usr\sap\WD0\SYS\profile

```
WD0_W00_acu-dzrpd13 - Notepad
File Edit Format View Help
$APSYSTEMNAME = WD0
SAPGLOBALHOST = acu-dzrpd13
SAPSYSTEM = 00
INSTANCE_NAME = W00
DIR_CT_RUN = $(DIR_EXE_ROOT)\$(OS_UNICODE)\NTAMD64
DIR_EXECUTABLE = $(DIR_CT_RUN)
DIR_PROFILE = $(DIR_INSTALL)\profile
_PF = $(DIR_PROFILE)\WD0_W00_acu-dzrpd13
SETENV_00 = PATH=$(DIR_EXECUTABLE);%PATH%

wdisp/ssl_auth=0

#-----
# Back-end system configuration
#-----

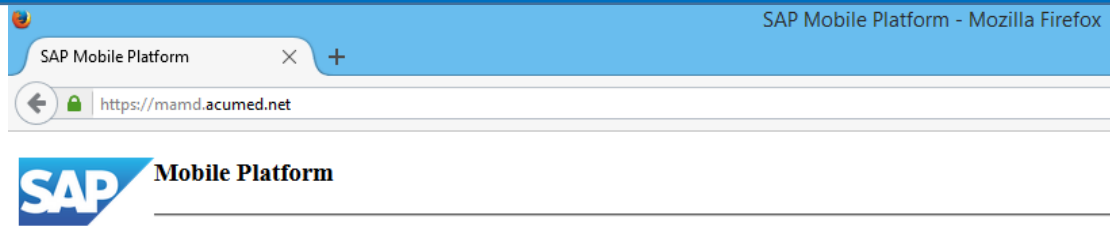
wdisp/system_0 = SID=SMP, SSL_ENCRYPT=1, EXTSRV=https://acu-svsmpd13.acumed.local:8081, SRCSRV=*, SRCURL=/, STICKY=true

#-----
# Configuration of maximum number of concurrent connections
#-----
icm/max_conn = 2000
#-----
# Tuning parameters that usually do not need to be adjusted
#-----
icm/max_sockets = ($(icm/max_conn) * 2)
icm/req_queue_len = 500
icm/min_threads = 10
icm/max_threads = 50
mpi/total_size_MB = (min(0.06 * $(icm/max_conn) + 50, 2000))
mpi/max_pipes = ($(icm/max_conn) * 2)
wdisp/HTTP/max_pooled_con = ($(icm/max_conn))
wdisp/HTTPS/max_pooled_con = ($(icm/max_conn))
ssl/server_cache_size = (min($(icm/max_conn) * 4, 100000))
#-----
# SAP Web Dispatcher Ports
#-----
icm/server_port_0 = PROT=HTTPS,PORT=443
icm/server_port_1 = PROT=HTTP,PORT=8080

#-----
# SSL Cipher Suites
#-----
```

Import the SAP Mobile Platform Server certificate and Root CA into the Web Dispatcher trust store

1. Start the Web Administration interface for SAP Web Dispatcher.
2. Under SSL and Trust Configuration, choose PSE Management.
3. From the Manage PSE drop-down list, choose the client PSE (SAPSSSLC.pse).
4. Under Trusted Certificates, choose Import Certificate.
5. Using a text editor, open the CA certificate used to sign the SAP Mobile
6. Platform server certificate. Copy and paste the contents of the certificate into the box and import the certificate
7. Repeat the same procedure for Trusting SMP certificate also. If you are using a.pfx certificate we need to convert to .cer(base 64 format)
8. Once imported the Root CA/Intermediate Certificates in Web Dispatcher
9. Repeat the same steps to import the certificates in SAPSSSLA.pse and a.SAPSSSL.pse
10. Restart the web dispatcher.
11. Now test the Web Dispatcher redirecting to SMP
12. The success full redirecting screen as below



Reference Links:

http://help.sap.com/saphelp_nw73/helpdata/en/48/3d993fb08c72d1e10000000a42189c/content.htm

http://help.sap.com/saphelp_banking60/helpdata/en/03/e301e249744a32adc6d23aff1f287c/content.htm