CS16.2.7 New Server Instance Installation Guide

*Version 1*.0  
22 March 2019

|  |  |  |  |
| --- | --- | --- | --- |
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| **No.** | Date | **Issued by:** | **Comments:** |
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| 2.0 |  |  |  |
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| --- | --- | --- | --- |
| **Prior Approvals:** | | | |
| **Role/Approving Party** | **Name** | **Date** | **Signature** |
| Project Manager | BOLLINGH Mark |  |  |
|  | HORKAY László |  |  |

**Table of contents**

[1. Executive Summary 4](#_Toc458517371)

[2. Technical summary 4](#_Toc458517372)

[3. Pre-requisits 4](#_Toc458517373)

[4. CS 10.5 Sp1 Component Installations. 4](#_Toc458517374)

[4.1. Oracle 12c Client Installation 4](#_Toc458517375)

[4.2. IIS 8.5 Installation 8](#_Toc458517376)

[4.3. Java Installation 11](#_Toc458517377)

[4.4. Tomcat Installation 12](#_Toc458517378)

[5. CS 10.5 sp1 Installation 16](#_Toc458517379)

[5.1. CS 10.5 Installation 16](#_Toc458517380)

[5.2. CS 10.5 Configuration with IIS 21](#_Toc458517381)

[5.3. Install Optional Module 29](#_Toc458517382)

[5.4. HotFixes and Latest Patches 29](#_Toc458517383)

[5.5. Align the opentext.ini to EIB standard 29](#_Toc458517384)

[6. VM Ethernet Configuration. 29](#_Toc458517385)

[6.1. Disable Recv Segment Coalescing (IPv4) 29](#_Toc458517386)

[7. Apache 2.4.x Installation 35](#_Toc458517387)

[8. NSSM - the Non-Sucking Service Manager Installation. 37](#_Toc458517388)

[9. Content Server Agent Set up with NSSM 37](#_Toc458517389)

# Executive Summary

This document is to provide any OpenText administrator understand the OpenText Content Server(16.2.7) installation & configuration has been executed.

# Technical summary

|  |  |
| --- | --- |
| **CS 10 Component** | **Version** |
| Windows | Windows 2016 Server R2 |
| Oracle Client | Oracle Database Server 12 - 64 bits |
| Oracle Client | 12c –12.1.0.2.01,6( Can be updated while installation ) |
| IIS | 8.58( Can be updated while installation ) |
| Java | jdk-8u92-windows-x64 ( Can be updated while installation ) |
| Tomcat | 8.0.33 ( Can be updated while installation ) |
| Content Server | 16.2.7 (2018-12) |

# Pre-requisites

N/A

# CS16.2.7 Component Installations.

## Oracle 12c Client Installation

* Create the following folder structure

“D:\apps\oracle\”

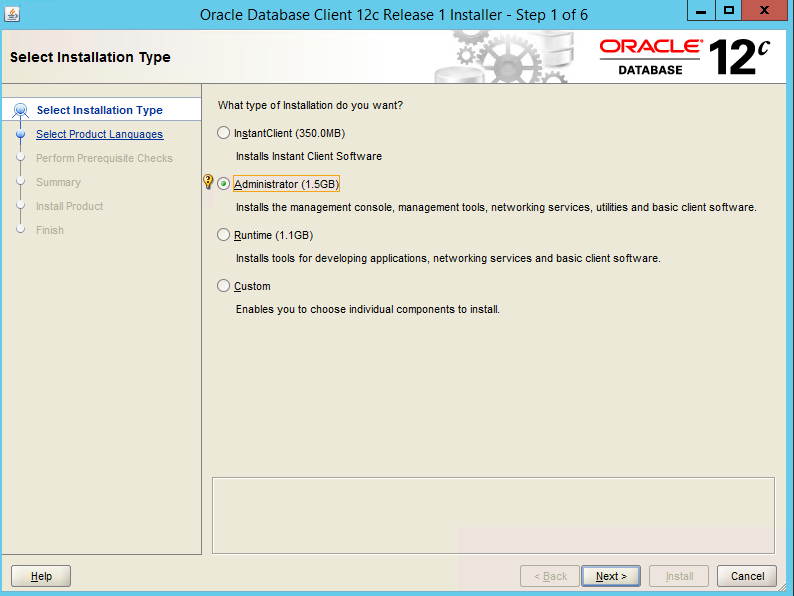
* Copy the oracle client installer from the source location

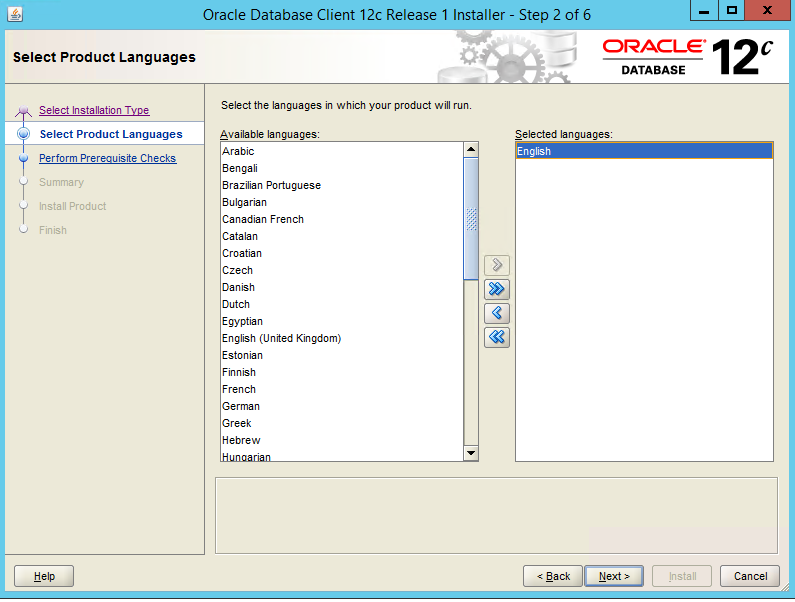
**To be confirmed the Location**

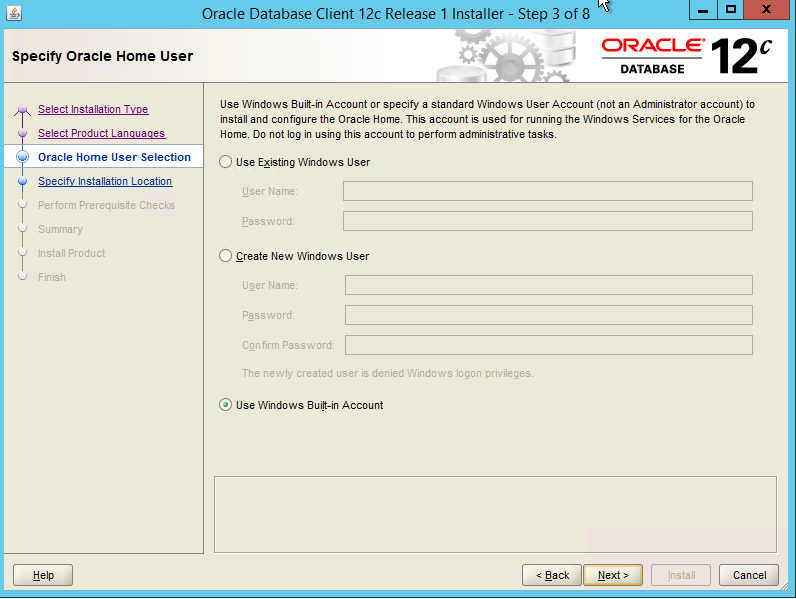
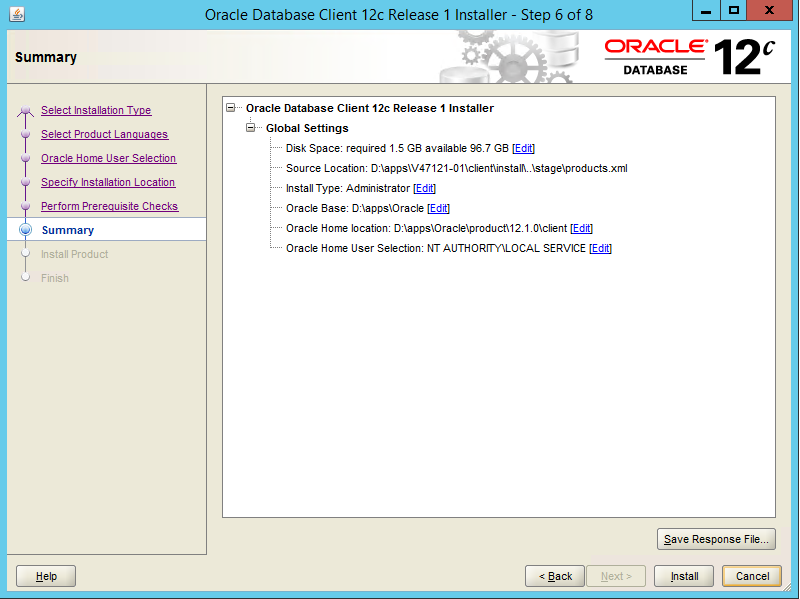
To the newly created structure: “D:\apps\oracle”

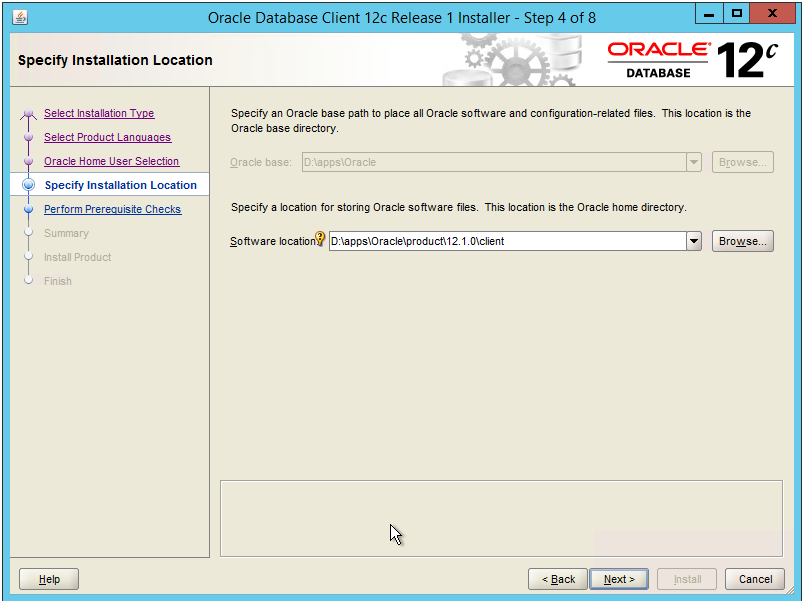
* Run the oracle client installer and insure that the application is installing on “D:\apps\oracle”

|  |  |  |
| --- | --- | --- |
| **Environment** | **Value** | **Description** |
| ORACLE\_HOME | D:\apps\oracle\product\12.1.0\client | Oracle client 12c home |
| ORACLE Base | D:\apps\oracle\ | Oracle client 12c home |
| Software location | D:\apps\oracle\product\12.1.0\client | Oracle client 12c home |

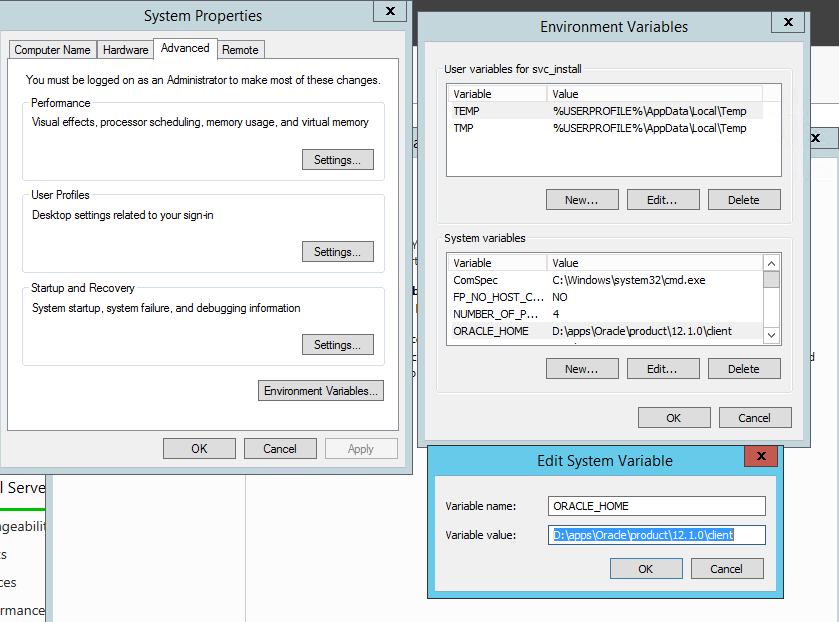




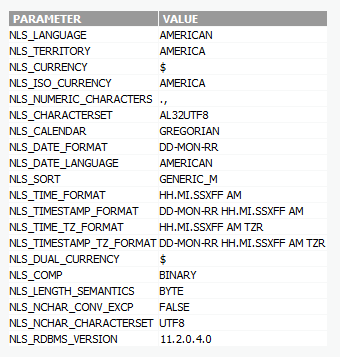
  
  




* Set up the oracle environment variable as below ORA\_HOME=”D:\apps\Oracle\product\12.1.0\client”



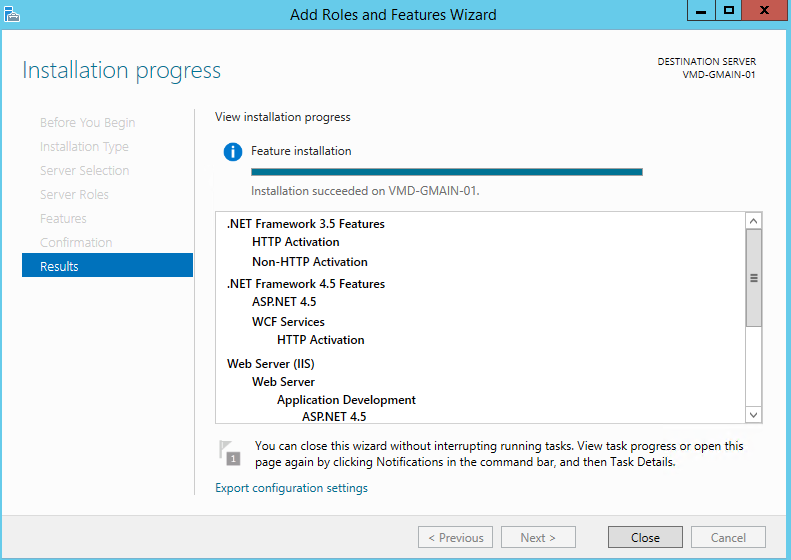
* Access the registry “HKEY\_LOCAL\_MACHINE\SOFTWARE\ORACLE\KEY\_OraClient12Home1” and set up the oracle client NLS parameter as below:

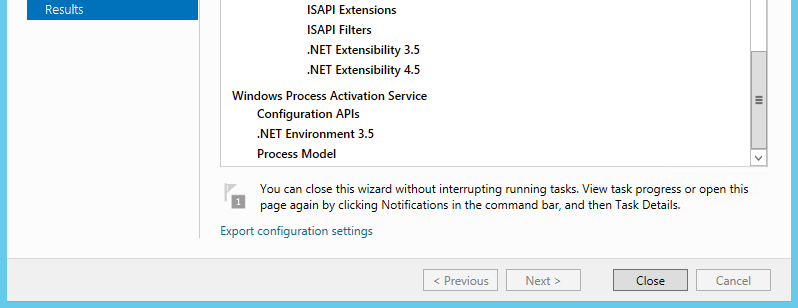


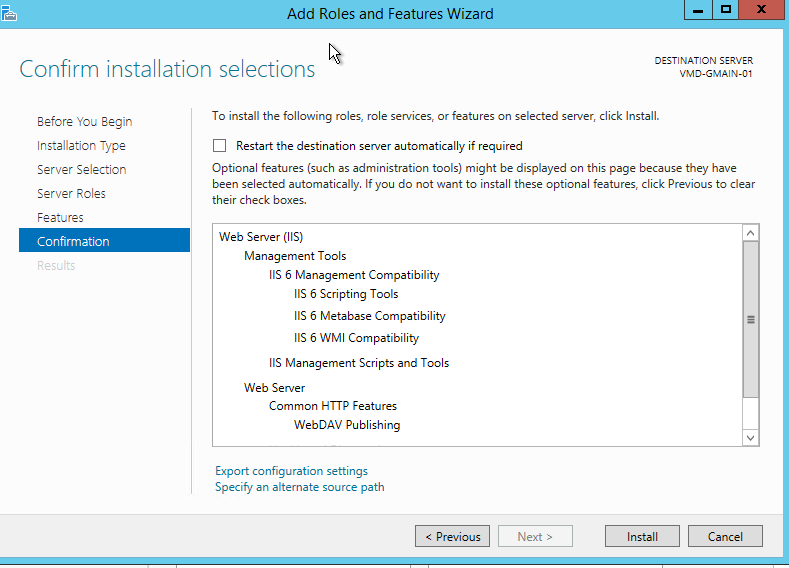
* Add the designated TNS port (see ORA\_ADMIN\tnsname.ora) to the OTCS\_Inbound and OTCS\_Outbound firewall rules

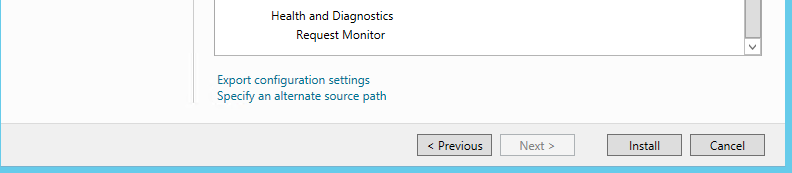
## IIS 8.5 Installation

* Raise a CR with the Wintel team to install the IIS with .net 3.5 and 4.5
* DISM /Online /Enable-Feature /FeatureName:NetFx3 /All /LimitAccess /Source:\\beilux.eib.org\dsl\Windows Client Server Management\Servers\OS\W2K12-R2-Dct&Std-X64\W2K12R2\sources\sxs
* Configure IIS to Opentext Standard using the document “Case Study - Deploying Content Server 10.5 on Windows 2012 and SQL Server 2012.pdf” page 9 (Setup IIS 8.xx)



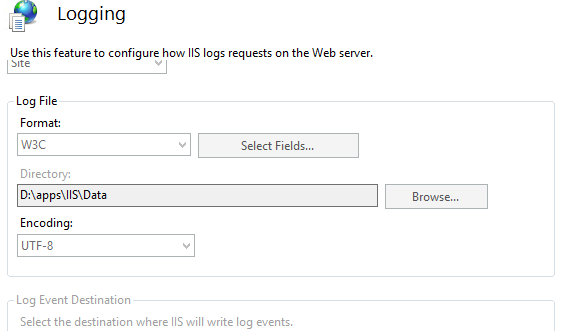






* Set the IIS logs to be located below

D:\apps\IIS\data



* Add the port 80 to the OTCS\_Inbound and OTCS\_Outbound firewall rules

## Java Installation

* Create the following folder structure

D:\apps\Java\8u92

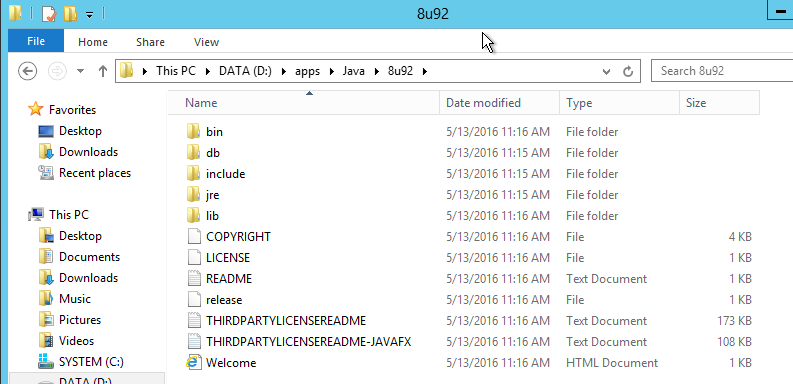
* Copy the java installer from the source location

Path need to be confirmed

To the newly created structure: “D:\apps\Java\8u92”

* Run the java installer and insure that the application is installing on “D:\apps\Java\8u92”





## Tomcat Installation

* Create the following folder structure

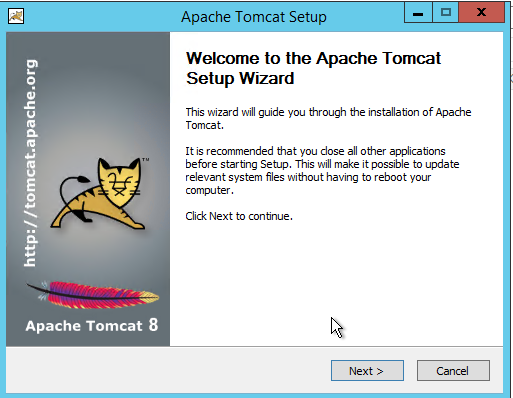
D:\apps\Tomcat\

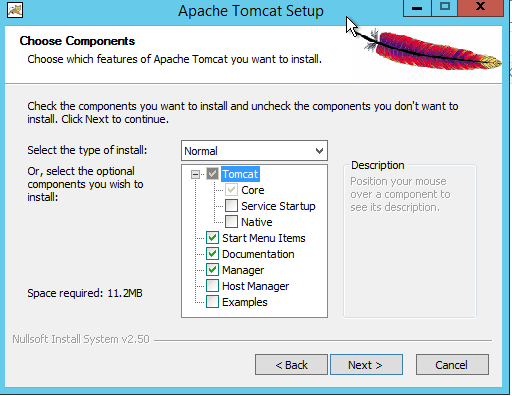
* Copy the Apache tomcat installer “apache-tomcat-8.0.33.exe” from the source location

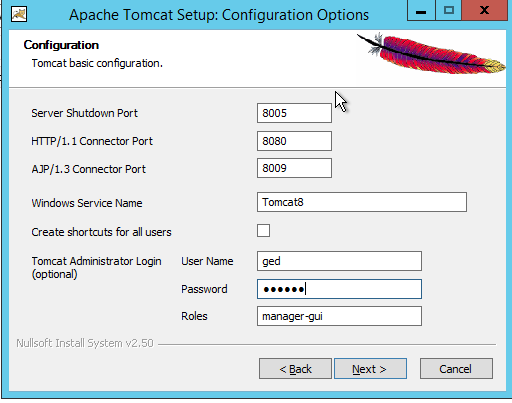
[\\vmp-fs-09.beilux.eib.org\v\_disk\_01$\programs\EA\_admin\OpenText\Admin\Upgrade\Software\Apache](file:///\\vmp-fs-09.beilux.eib.org\v_disk_01$\programs\EA_admin\OpenText\Admin\Upgrade\Software\Apache)

To the newly created structure: D:\apps\Tomcat\

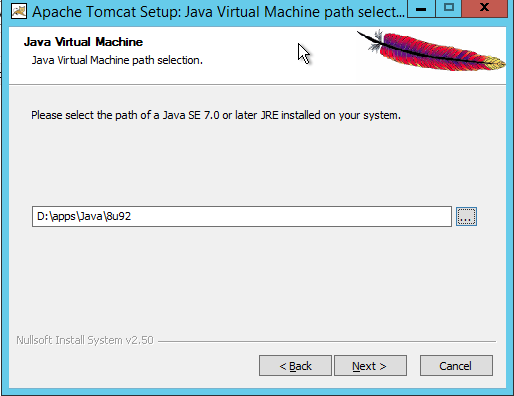
* Run the installer, insure that the applications is install in “D:\apps\Tomcat\”

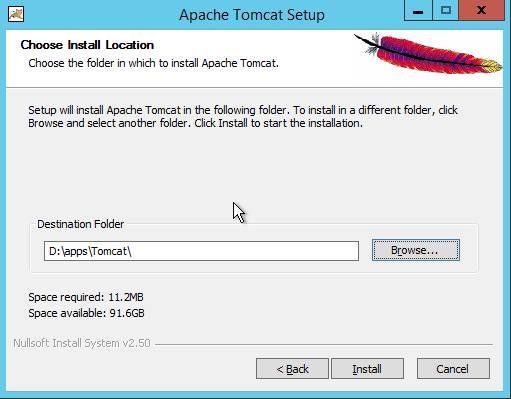


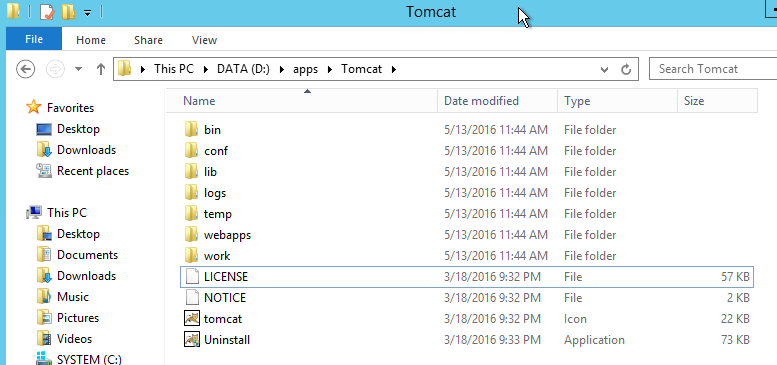




Set tomcat admin user to “ged”, password “ged105” and role “manager-gui”







* Add the port 8080 to the CWS Inbound and CWS Outbound firewall rules

# CS 16.2.7 Installation

## CS 16.2.7 Installation

* Insure the followings:

-Tomcat service is down

-Oracle client is installed and configure.

* Create the following folder structure

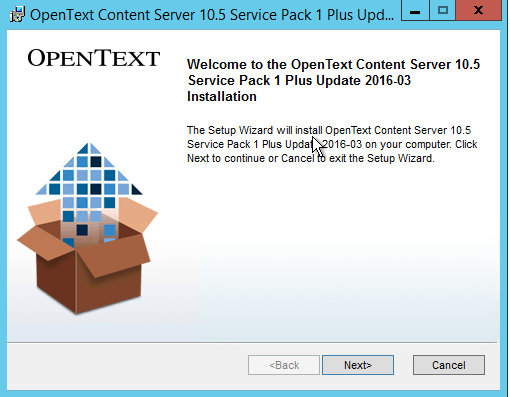
D:\apps\OTCS

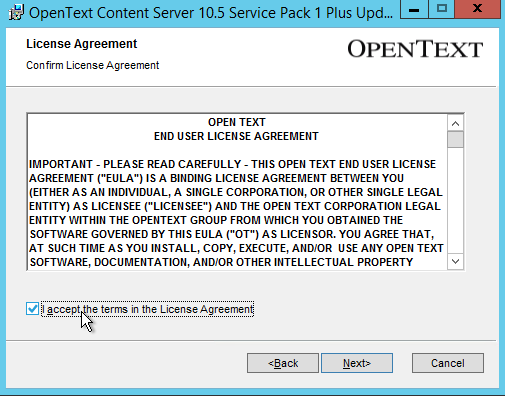
* Copy the CS installer “16.2.7\_cs64\_win.exe” from the source location

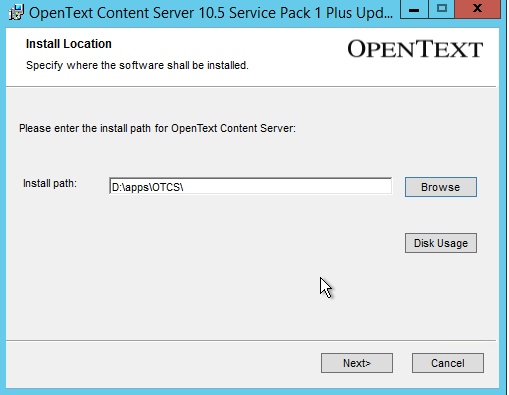
[Path](file:///\\vmp-fs-09.beilux.eib.org\v_disk_01$\programs\EA_admin\OpenText\Admin\Upgrade\Software\OT\10.5) need to be confirmed

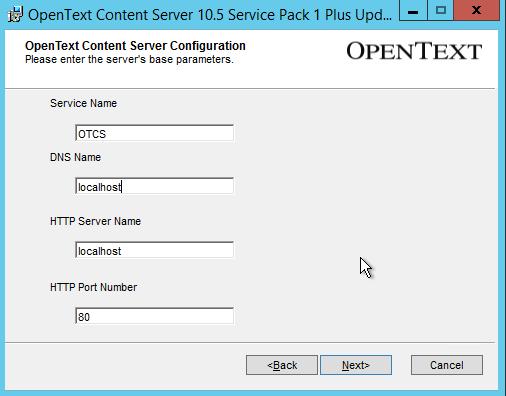
To the newly created structure: D:\apps\OTCS

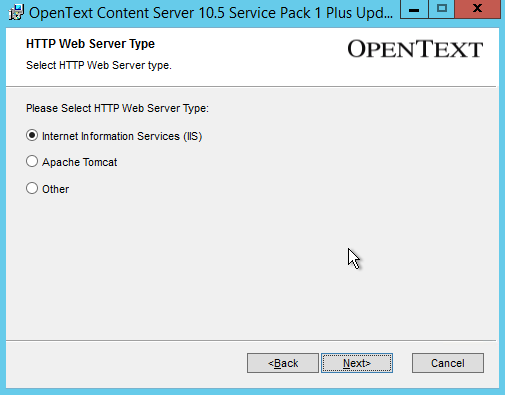
* Run the installer, insure that the applications is installed in “D:\apps\OTCS\”

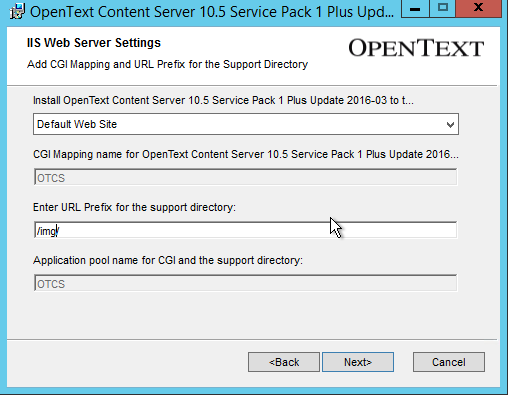


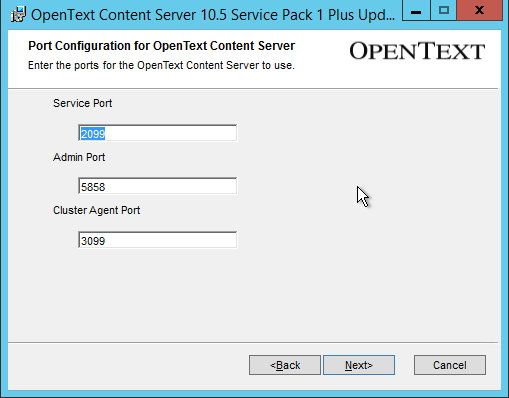


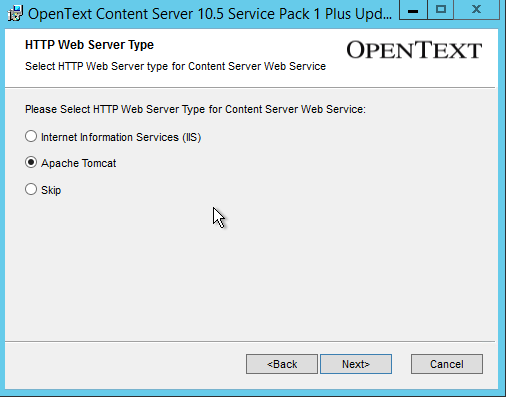


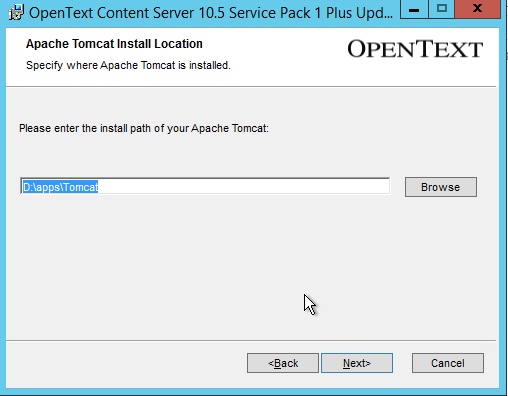


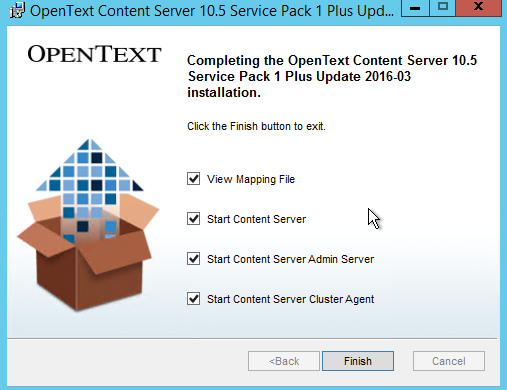






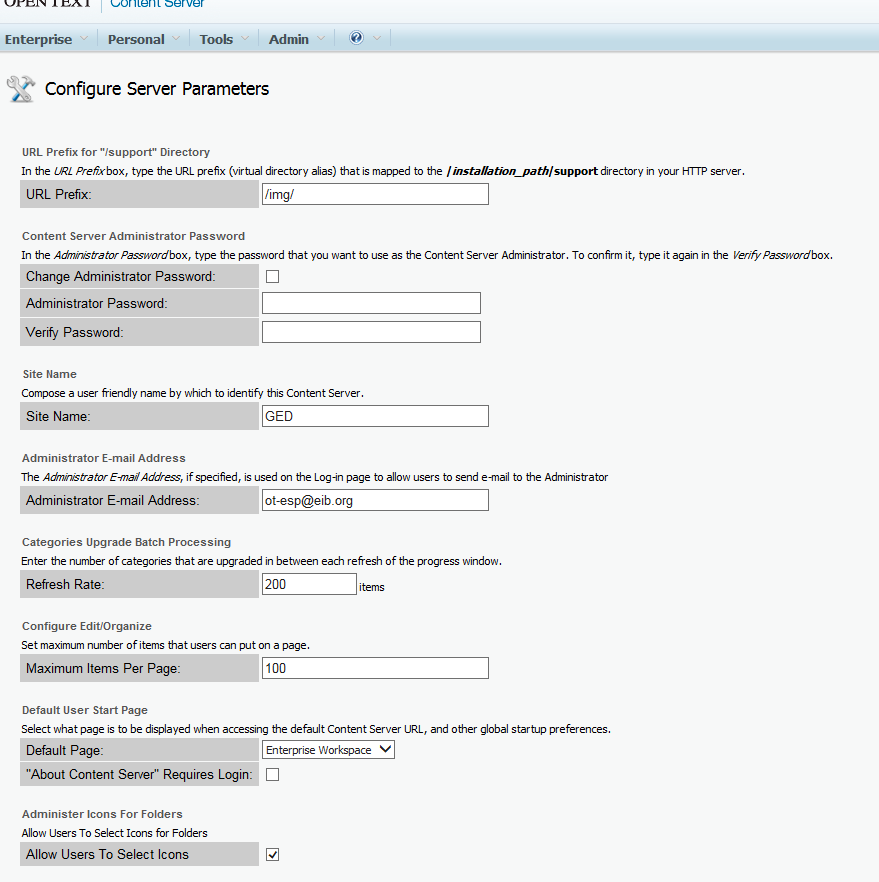


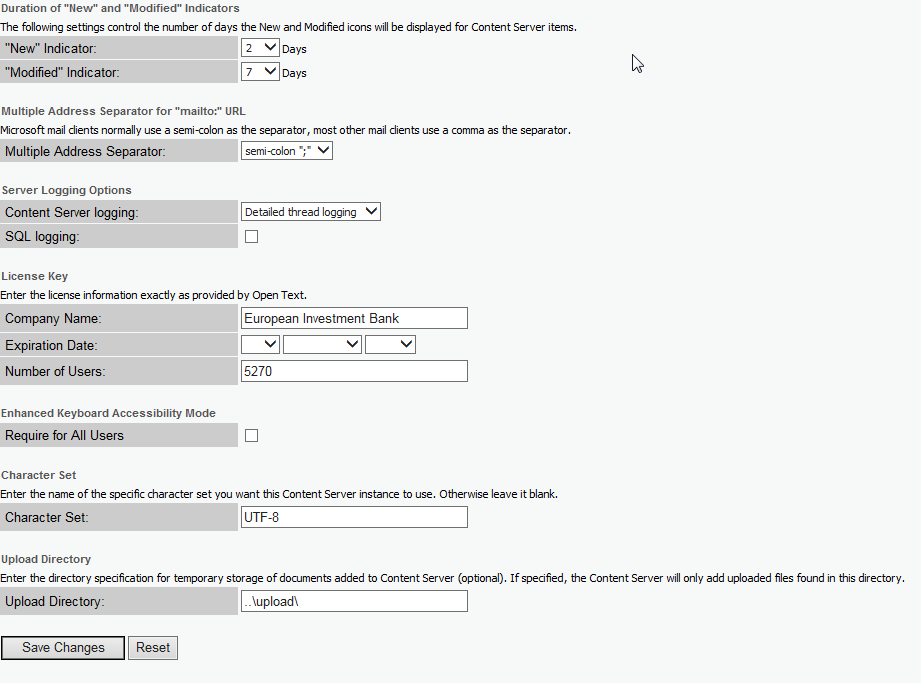




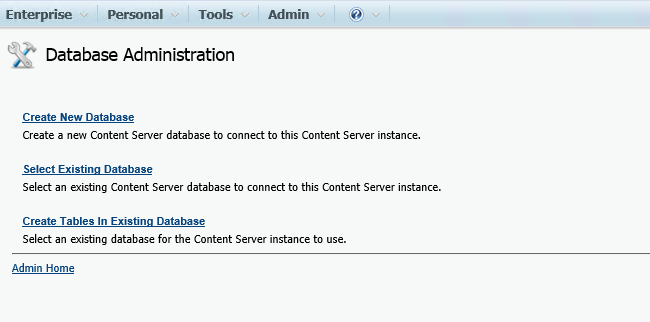
## CS 16.2.7 Configuration with IIS

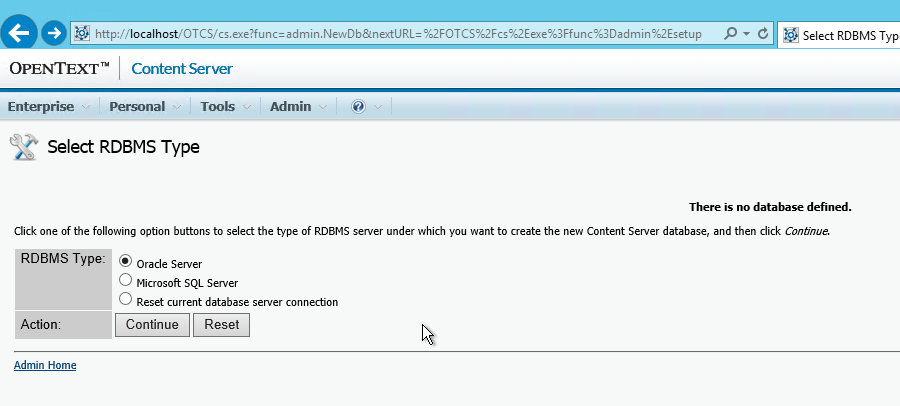
* Configure the OpenText virtual directories in IIS 8 for OTCS 16.2.7 using the document “Case Study - Deploying Content Server 16.2.7 on Windows 2012 and SQL Server 2012.pdf” page 31 ( Phase Three: Configure IIS 8.xx)
* Configure Content Server to EIB Standard

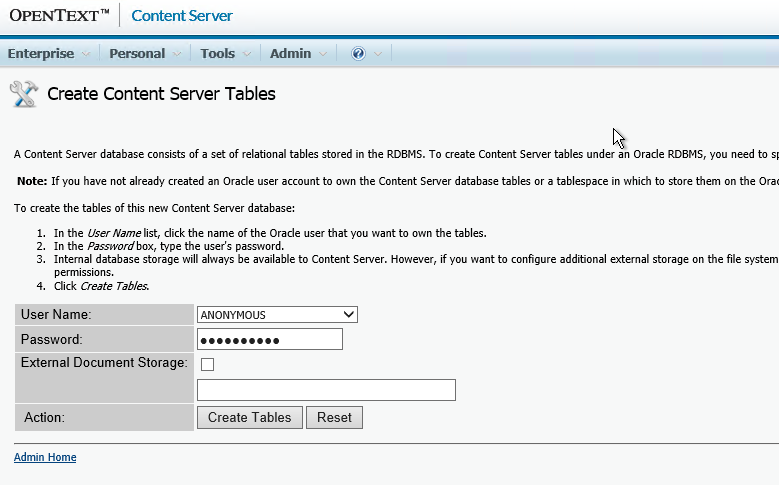




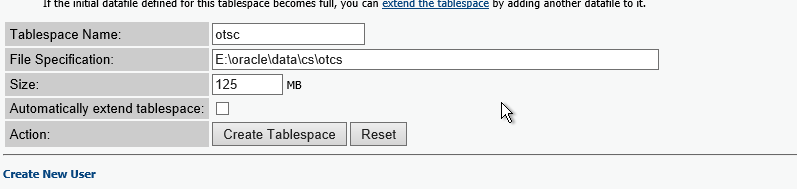
* Create a New database connection (you need to have the oracle system user connection details



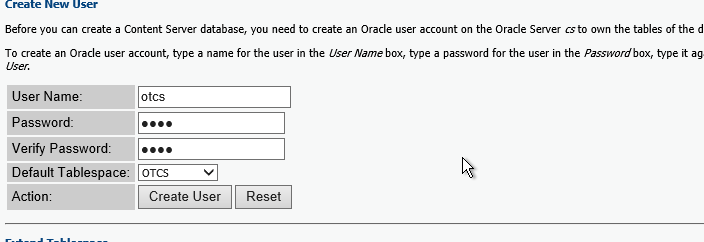




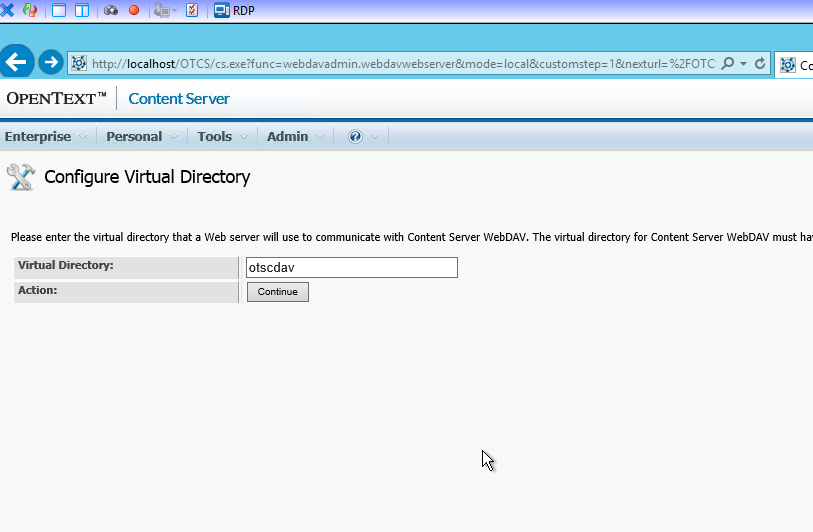
* Create a table space



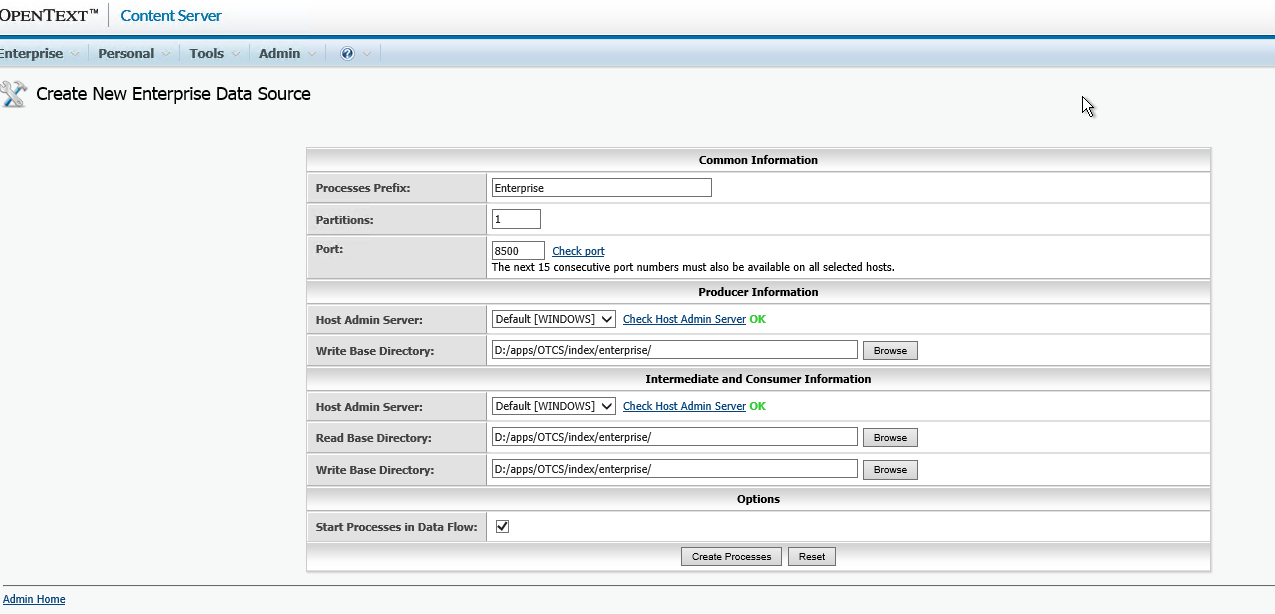
* Create a New schema user

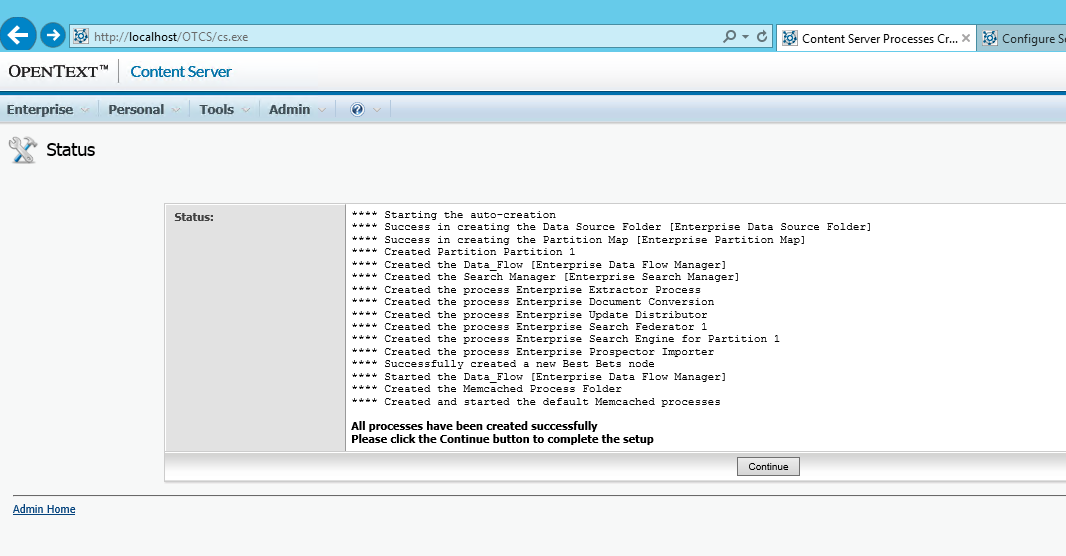


* Set up WebDav



* Create a New Enterprise Data Source

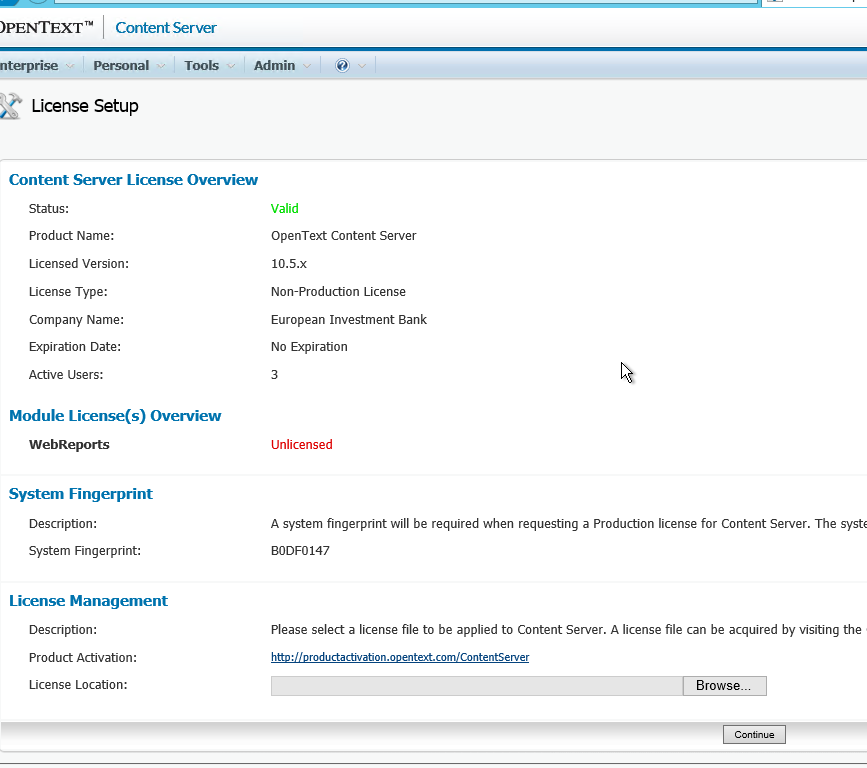




* Set up the license.

Access the following url to get create and download a license

<https://support.opentext.com/portal/site/css?_ga=1.3993523.2082142244.1461655686>



Et Voila



* Add the port, 80, 2099, 5858, 8080, 3099, 8000-9000 to the OTCS\_Inbound and OTCS\_Outbound firewall rules

## Install Optional Module

* Install the optional module located in the following location

[\\vmp-fs-09.beilux.eib.org\v\_disk\_01$\programs\EA\_admin\OpenText\Admin\Upgrade\Software\OT\10.5\Module](file:///\\vmp-fs-09.beilux.eib.org\v_disk_01$\programs\EA_admin\OpenText\Admin\Upgrade\Software\OT\10.5\Module)

## HotFixes and Latest Patches

* Stop the CS services
* Back up the OTCS\_HOME
* Apply the hotfix Assemble located below

[\\vmp-fs-09.beilux.eib.org\v\_disk\_01$\programs\EA\_admin\OpenText\Admin\Upgrade\Software\OT\10.5\Hotfixes\Staging](file:///\\vmp-fs-09.beilux.eib.org\v_disk_01$\programs\EA_admin\OpenText\Admin\Upgrade\Software\OT\10.5\Hotfixes\Staging)

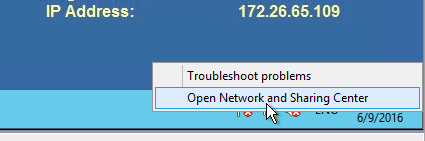
* Start the CS services
* R-Extract the Admin Help data source

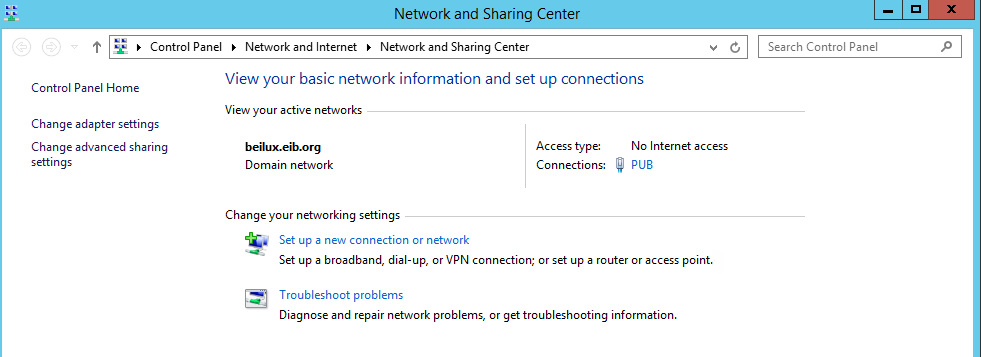
## Align the opentext.ini to EIB standard

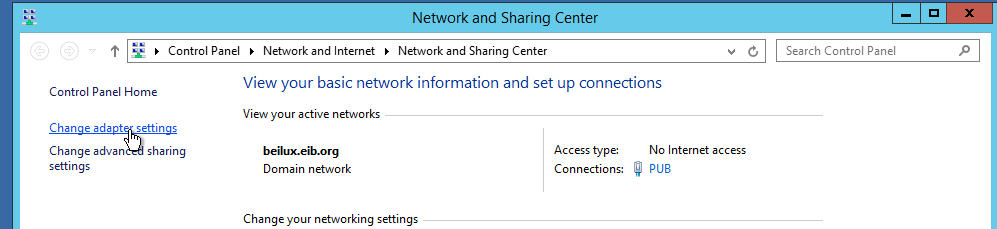
* Update the opentext.ini located in the otcs\_home\config based on the entries from the current back end production environment.

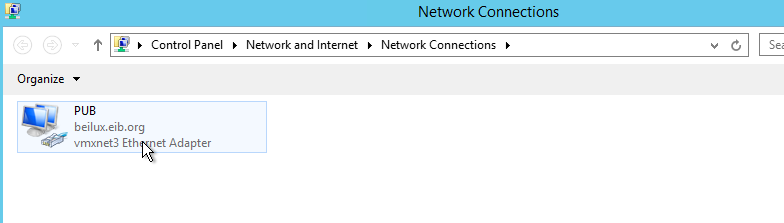
# VM Ethernet Configuration.

## Disable Recv Segment Coalescing (IPv4)

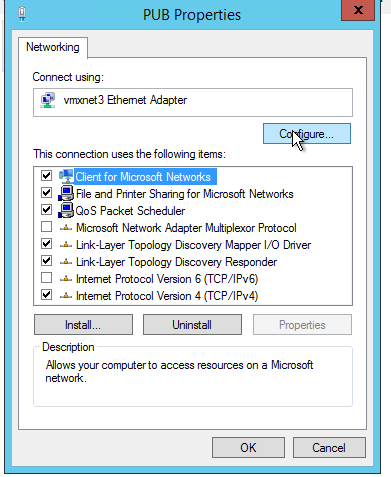


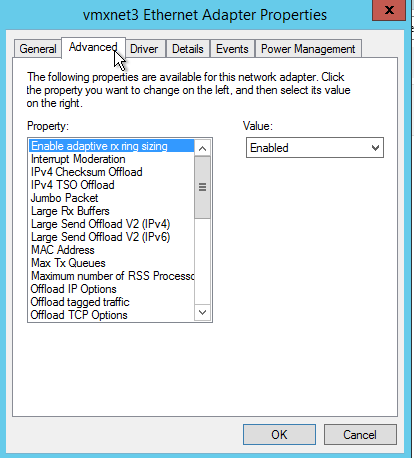




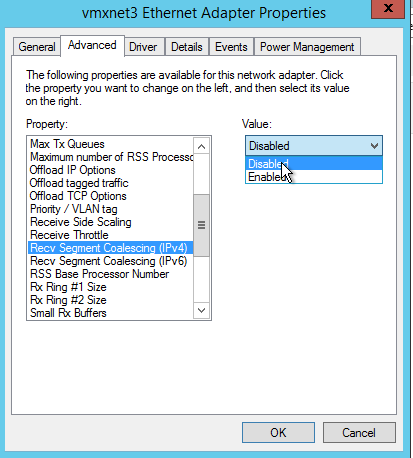


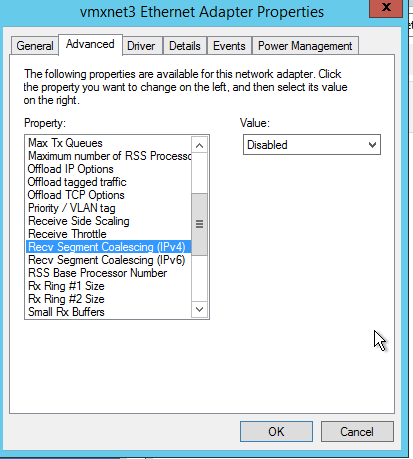






Set Recv Segment Coalescing (IPV4) to disable.





# Apache 2.4.x

## Installation

* Create the following folder structure

D:\apps\Apache\

* Copy the Apache tomcat installer “apache-tomcat-8.0.33.exe” from the source location

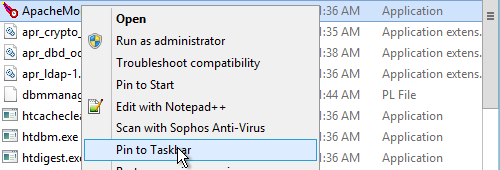
[\\vmp-fs-09.beilux.eib.org\v\_disk\_01$\programs\EA\_admin\OpenText\Admin\Upgrade\Software\Apache](file:///\\vmp-fs-09.beilux.eib.org\v_disk_01$\programs\EA_admin\OpenText\Admin\Upgrade\Software\Apache)

To the newly created structure: D:\apps\Tomcat\

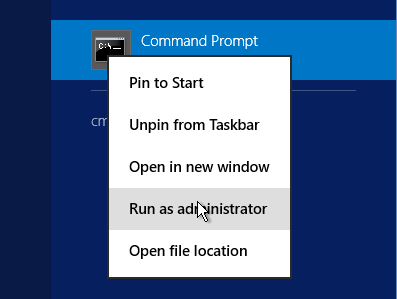
* Run the vc\_redist\_x64/86.exe installer
* Extract the httpd-2.4.23-win64-VC14.zip in “D:\apps\Apache\”
* Edit the Apache configuration file “httpd.conf” as below

1. ServerRoot "D:/apps/Apache"
2. Listen 28088
3. DocumentRoot "D:/apps/Apache/htdocs"
4. <Directory "D:/apps/Apache/htdocs">

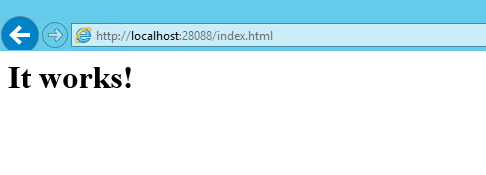
* Access the D:\apps\Apache\bin and pin the **ApacheMonitor.exe** on the pin Taskbar



* Restart the server
* RDP to the server and run cmd as administrator



* Cd to D:\apps\Apache\bin
* Run “httpd.exe -k install”
* Run “httpd.exe -k runservice”
* Test access internally and externally to the server IE and past <http://localhost:28088/index.html> / http://<hostname>:28088/index.html



* Cd to D:\apps\Apache\bin
* Run “httpd.exe -k install”
* Run “httpd.exe -k runservice”
* Test access internally and externally to the server IE and past <http://localhost:28088/index.html> / http://<hostname>:28088/index.html

## Ged Set up

* Cd to D:\apps\Apache\conf
* Update the httpd.conf as below <https://ged.beilux.eib.org/ged/ged.dll/open/74960115>
* Save the httpd.conf
* Restart the apache services

# NSSM - the Non-Sucking Service Manager Installation.

* You can find more information about NSSM on the following link <https://nssm.cc/usage>

* Create the following folder structure

D:\apps\ nssm-2.24

* Copy the content of the folder name “nssm-2.24” from the source location

[\\vmp-fs-09.beilux.eib.org\v\_disk\_01$\programs\EA\_admin\OpenText\Admin\Upgrade\Software\nssm-2.24](file:///\\vmp-fs-09.beilux.eib.org\v_disk_01$\programs\EA_admin\OpenText\Admin\Upgrade\Software\nssm-2.24)

To the newly created structure: D:\apps\ nssm-2.24

* Update the window path as below

From: **C:\ProgramData\Oracle\Java\javapath;D:\apps\Oracle\product\12.1.0\client\bin;%SystemRoot%\system32;%SystemRoot%;%SystemRoot%\System32\Wbem;%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\**

To : **C:\ProgramData\Oracle\Java\javapath;D:\apps\Oracle\product\12.1.0\client\bin;%SystemRoot%\system32;%SystemRoot%;%SystemRoot%\System32\Wbem;%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\;D:\apps\Java\8u102-i586;D:\apps\nssm-2.24\win64;D:\apps\nssm-2.24\win32**

# Content Server Agent Set up with NSSM

<https://nssm.cc/usage>

* Create the following folder structure

D:\apps\serverAgent

* Copy the content of the folder name “nssm-2.24” from the source location

[\\vmp-fs-09.beilux.eib.org\v\_disk\_01$\programs\EA\_admin\OpenText\Admin\Upgrade\Software\serverAgent](file:///\\vmp-fs-09.beilux.eib.org\v_disk_01$\programs\EA_admin\OpenText\Admin\Upgrade\Software\serverAgent)

To the newly created structure: D:\apps\serverAgent

* Edit the file D:\apps\serverAgent\startAgent.bat as below

java -jar D:\apps\serverAgent\ServerAgent1.jar <server ip address> 2099 <server ip address> 8884

eg: java -jar D:\apps\serverAgent\ServerAgent1.jar 172.26.65.119 2099 172.26.65.119 8884

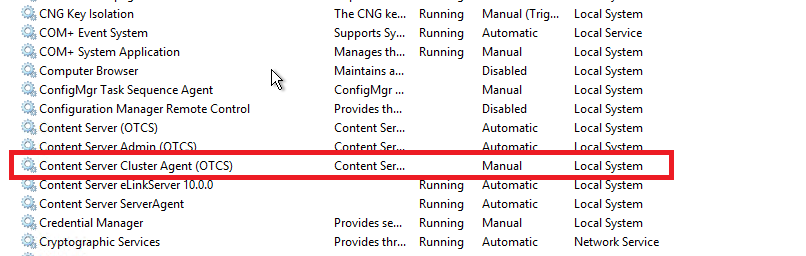
* Launch the CMD as an Administrator
* CD to D:\apps\ nssm-2.24,
* Run the command below

**nssm install "Content Server ServerAgent" D:\apps\serverAgent\startAgent.bat**

**nssm set "Content Server ServerAgent" AppDirectory D:\apps\serverAgent**

****

* The result should be a newly created services as below



* Useful Command

nssm remove <servicename>

eg: **nssm remove "Content Server ServerAgent"**

# Open Text Monitoring Agent Set up with NSSM

<https://nssm.cc/usage>

* Create the following folder structure

E:\apps\OTMonitoringAgent

* Copy the content of the folder name “nssm-2.24” from the source location

[\\vmp-fs-09.beilux.eib.org\v\_disk\_01$\programs\EA\_admin\OpenText\Admin\Upgrade\Software\OTMonitoringAgent](file:///\\vmp-fs-09.beilux.eib.org\v_disk_01$\programs\EA_admin\OpenText\Admin\Upgrade\Software\OTMonitoringAgent)

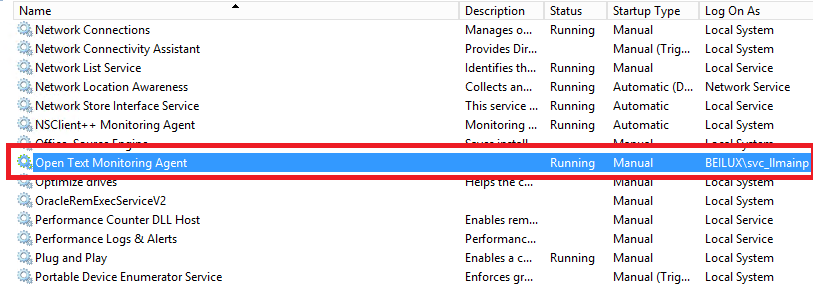
To the newly created structure: E:\apps\OTMonitoringAgent

* Launch the CMD as an Administrator
* CD to D:\apps\ nssm-2.24,
* Run the command below

**nssm install "Open Text Monitoring Agent" E:\apps\OTMonitoringAgent\run.bat**

**nssm set "Open Text Monitoring Agent" AppDirectory E:\apps\OTMonitoringAgent**

* The result should be a newly created services as below



* Useful Command

nssm remove <servicename>

nssm edit <servicename>

eg: **nssm remove "Open Text Monitoring Agent"**

**nssm edit "Open Text Monitoring Agent"**