Optum Computational Engineering

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Version 2018.04.04

Optum CE

Distributor Install Guide

1 Introduction

This document will describe the steps necessary to install the OptumCE Distributor Service and subsequently register the OputmCE application with an office license.

1.1 What is the OptumCE Distributor Service?

The OptumCE Distributor Service is a local key repository/key pool, which allows users in a company to utilize any OptumCE application from anywhere on the local area network (LAN), as long as the number of concurrent users are less or equal to the number of purchased licenses.

On top of that the service also contains a checkout/checkin functionality which allows the users to borrow a license from the key pool, and thereby still having access to the application without having contact to the LAN.

The OptumCE Distributor Service can be installed on either a standard desktop/laptop PC or on a dedicated Windows server. Either way the laptop or server must be on a network, accessible to all relevant users.

1.2 Prerequisites

Please note that to install the service you must be logged on as administrator.

The licensed application (e.g. OptumG2) communicates with the Distributor on port 8731 so this port must be accessible (see later how to open a port in Windows). The so-called **Distributor Dashboard** is accessed through a browser on port 2468 so this should also be accessible. The **Distributor Dashboard** is used for activating the Office license (granting access to x number of users/seats) but also for monitoring the current state of the key pool. Thus, on the **Distributor Dashboard** any user on the network can login and see number of available seats, which users are occupying the seats, time remaining on checked out licenses, etc.

The service requires one of the following operating systems: Win10, Win8x64 Win7x64 or Windows Server.

2 Installation

2.1 General installation notes

Upon purchase of an Office license the distributor installation file **Distributor_setup_v1.xx.xx.20xx.exe** can be downloaded via a distributed download link.

Download the setup file, and double click after completed download.

After accepting the program execution, the dialog shown below should be displayed.



Click next, and select the install directory. The default directory will most likely be adequate.



During the installation the below command window should appear indicating the progress of the service installation:



Next the you need to resgister ASP.NET which is done by clicking Yes when the dialog below appears



Next you can open for selected ports to allow Optum applications on other computers in your network to access the Distributor service. If you select yes, a rule to allow TCP ports 2468 and 8731 will be added your local Windows Firewall with name "OptumDistributor_endpoint" under Inbound rules. If you select no, or if adding the rule fails for some reason, you must manually configure your firewall as needed (see later). The firewall rule, if selected, will be removed again during a later uninstall of the Distributor.



After successful installation, the Distributor Dashboard should open in your default browser.

3 Verifying the service is running

You can easily verify that the service is running by viewing it in the "Services dialog". This dialog is invoked by opening the command line in the start menu (or by pressing "Windows key" + "R") and typing in the field:

services.msc

and pressing enter. The dialog shown below should appear. Find the "Software Potential Distributor" and make sure the status is "Running"



4 Activating the distributor – establishing key pool

The distributor has now been installed. You can view the Distributor as a pool for collecting license key and before the Distributor has been activated the pool is empty.

Thus, the next step is to activate the Distributor, i.e. make the acquired seats available for the OptumCE application for users on the network.

All communication with the distributor is done via a standard web browser (e.g. I.E, Chrome, Firefox, etc.) and to gain access to the service the IP address of the machine or server where the Distributor/service is installed must be acquired.

To get the IP address press the windows key + R and type "cmd.exe" and press enter. In the resulting command windows type "ipconfig" and press enter. The following picture shown below should appear:

Command Promp	t – 🗆	×
Ethernet adapter Ethernet:		^
Connection-specific DNS Suffix : compose Link-local IPv6 Address	local d:4287.7717:8ee0%12 .139 55.0 .1	
Tunnel adapter Local Area Connection* 14:		
Media State Media disc Connection-specific DNS Suffix . :	connected	
Tunnel adapter isatap.corporate.local:		
Media State Media dis Connection-specific DNS Suffix . : corporate	connected .local	
Tunnel adapter Teredo Tunneling Pseudo-Interface		
Media State Media disc Connection-specific DNS Suffix . :	connected	
C:\Users\HenrikRune>		\sim

The relevant IP address is given under "IPv4 Address" as shown with the red circle in the above scree shot.

To activate the **Distributor** you need to open the **Distributor Dashboard**. First open a browser and enter the following address <u>http://127.0.0.1:2468/web/</u>, where 127.0.0.1 is replaced by the actual IP address of the server.

NOTE:

If you are installing the Distributor on a local machine you can always use 127.0.0.1 as the local machine IP address. For other external users to enter the Dashboard you need to provide them the "IPv4 Address" of the host machine

NOTE:

If you cannot reach the Distributor via your web browser the reason is most likely that the port 2468 is blocked by a fire wall. Open the port and try again. To open ports you might need help from you local IT department

If you are installing the **Distributor** on a local machine you can always use **127.0.0.1** as the local machine IP address. For other external users to enter the **Dashboard** of the **Distributor** installed on your local machine, you need to provide them the "IPv4 Address".

In the resulting webpage click the "Activation" tab and you should see the following:

					_ □	×
Add	×					
← → C	127.0.0.1:2468/V	Veb/Activatio	n/Add		☆ 👌	Ξ
👖 Apps 🕹 Get	ting Started 🛛 🗎 Import	ted From Firef	🐥 Indlæs dine kana	aler 🛛 🖸 light se	ensor making	»
(→) ⊂	optumCE Distri	butor Serv	ice			
		Home	Activation	Products	Usage	
Add						
To activate	a new license, pleas	e enter an acti	ivation code.			
To delivate	a new license, pieds					
Activation K	ey		Sub	omit		
History Ma	nual Activation					
						_

Enter the provided license key, and click submit.

The format of the license key follows the structure of five groups of alphanumeric characters separated by dashes. E.g.: **"29M47-NTDH7-EJZFL-9H35X-XTDSU"**

The license should now be activated.

NOTE:

A distributor license MUST be activated via the distributor dashboard. Make sure you NEVER try to activate a distributor license directly in any of the Optum products as the license will then become unusable. Should this happen anyway then you can contact support@optumce.com with your activation key in order to resolve the issue.

NOTE:

If you cannot activate the license the reason is most likely that the distributor is behind a proxy. Try talking to your local it department.

NOTE:

In some case it might be necessary to perform a manual activation. The manual activation dialog is entered py pressing the "Manual Activation" link shown below. By entering the activation key a text string is generated which is copy pasted into a mail and sent to jkr@optumce.com . A license file is returned which can be loaded and the installation is completed

Add

To activate a new license, please enter an activation code.

Activation Key	Submit	
History Manual Activation		

NOTE:

Once a license has been activated the license will be bound to the server in question and it will not be possible to activate the license on any other server. If you later need to move the license to a different

server, please see the later chapter on moving licenses.

5 Activating the application

Now that the **Distributor** service have been successfully installed, you have established your pool of keys, and it is time to activate your application (e.g. OptumG2) by providing it with a key from the pool.



In OptumG2 you can enter the license dialog by clicking File and selecting Activate Product

The dialog shown below will be displayed:

	OptumG2 License	×
Machine	Network Log	
Enter the	e License Server Address:	
http://1	27.0.0.1:8731	
The add mylicens	ress must have one of the following formats: http://127.0.0.1:8731 or http:// seserver:8731	
Don't kn	now the address? Please contact your IT Department.	
Avaliable	e licenses:	
08/14/2	2014 T5 Checkout	
The pro	re has been an issue contacting your distributor server. Please try again. If the blem persists, please contact your system administrator.	
	Activate Close	2

Enter the address of the **Distributor** in the format <u>http://127.0.0.1:8731</u>. Once again the 127.0.0.1 is a placeholder for the actual IP address. It is important to remember the protocol specification http:// and the port specification :8731, as the license dialog uses the entered string verbatim.

When the activate button is clicked the dialog shown below should shortly thereafter be displayed



Now you should be ready to run your OptumCE application. Please enjoy!

NOTE:

If you cannot reach the Distributor, port 8731 is most likely blocked by a fire wall. Open the port and try again. To open ports you might need help from your local IT department

6 Opening ports manually

If you choose to not open for ports 8731 and 2468 during installation you can always do it later manually. Here is the procedure:

🔄 🌛 👻 🛧 🍻 > Control Pa	anel > All Control Panel Items > Windows Firewall	✓ C Search Control P	anel
Control Panel Home	Help protect your PC with Windows F	irewall	
Allow an app or feature through Windows Firewall	Windows Firewall can help prevent hackers or ma Internet or a network.	licious software from gaining access to your PC through the	
Change notification settings	Private networks	Connected 🕥	
Turn Windows Firewall on or off	Networks at home or work where you know and	trust the people and devices on the network	
Restore defaults	Windows Firewall state:	On	
Advanced settings Troubleshoot my network	Incoming connections:	Block all connections to apps that are not on the list of allowed apps	
	Active private networks:	💇 Corporate.local	
	Notification state:	Notify me when Windows Firewall blocks a new app	
	Guest or public networks	Not connected 📀	
See also			
Action Center			
record conten			

Go to the "Control Panel" and click "Windows Firewall". Then select "Advanced Settings".

A new window named "Windows Firewall with Advanced Security" opens.

• • • • • • • • • • • • • • • • • • • •					_
Windows Firewall with Advance	Inbound Rules			Actions	
Cutheward Pulse	Name	Group	Profile ^	Inbound Rules	
Connection Security Puler	🕑 Brütal Legend		All	2 New Rule	_
Monitoring	🕑 Brütal Legend		All	V Filter by Brofile	
	🕑 CyberLink PowerDVD 10.0		All	a mile by Prome	
	🕑 CyberLink PowerDVD 10.0		All	Y Filter by State	
	O Daemonu.exe		Public	Filter by Group	
	O Daemonu.exe		Public	View	
	🔮 Dogs of War Online - Beta		All	Refrech	
	Opps of War Online - Beta		All		
	🔮 Dragon's Prophet (EU)		All	Export List	
	O Dragon's Prophet (EU)		All	P Help	
	Oropbox		Private	Dronbox	
	Dropbox		Private	Diopbox	
	O dropbox.exe		Public	Disable Rule	
	O dropbox.exe		Public	🖌 Cut	
	CTL: Faster Than Light		All	Ba Copy	
	O Misses files		All	X Delete	
	Microsoft Lync		Private	Description (
	Microsoft Lync UcMani		Private	Properties	
	Microsoft Lync UcMapi		Private	P Help	
	Microsoft Office Outlook		Private		
	Neverwinter		All		
	Neverwinter		All		
	🖉 omninames		Private		
	🔇 omninames		Public		
	🔞 omninames		Public		
	🔞 omninames		Private		
	🔇 Path of Exile		All		
	🔇 Path of Exile		All		
	🛿 salome_connectionmanagerserver		Private		
	🛿 🕼 salome_connectionmanagerserver		Private		
	😡 salome_connectionmanagerserver		Public v		

Select "Inbound Rules" on the left and then "New rule ..." on right to start a rule wizard.



Select "port"

@	New Inbound	I Rule Wizard
Protocol and Ports		
Specify the protocols and ports to	which this rule applies.	
Steps: Protocol and Pots Action Profile Name	Does this rule apply to TCP or U	DP? ofs or specific local ports? 8731 Example: 80, 443, 5000-5010
		< Back Next > Cancel

Select "TCP" and enter "8731,2468" in the port range to allow remote access to the Distributor Dashboard (port 2468) and Optum application key management (port 8731).

<i>₽</i>	New Inbound Rule Wizard
Action Specify the action to be taken wh	en a connection matches the conditions specified in the rule.
Steps: Profile Profile Name	What action should be taken when a connection matches the specified conditions? Image: Connection that are protected with IPace as well as those are not. Image: Connection that are protected with IPace as well as those are not. Image: Connection that are protected with IPace as well as those are not. Image: Connection that are protected with IPace as well as those are not. Image: Connection that are protected by using IPace. Connections Security and rules in the Connection Security and the secure during in IPace properties and rules in the Connection Security connection. Image: Connection Image: Connection Image: Connection that are protected by using IPace. Connections Security and rules in the Connection Security and rules in the Connection Security and rules in the Connection Security and rules. Image: Connection Image: Connection

Select the "Allow the connection" radio button

@	New Inbound Rule Wizard
Profile	
Specify the profiles for which this r	ule applies.
Steps:	
 Rule Type 	When does this rule apply?
Protocol and Ports	Demain
 Action Profile 	Applies when a computer is connected to its corporate domain.
Name	Private Applies when a computer is connected to a private network location, such as a home or vork place. Public Applies when a computer is connected to a public network location. Public Applies when a computer is connected to a public network location. Cancel

Select where the rule applies

æ	New Inbound Rule Wizard
Name	
Specify the name and descriptio	n of this rule.
Steps:	
Rule Type	
Protocol and Ports	
Action	
Profile	Name:
Name	Myrue
	Description (optional):
	< <u>B</u> ack <u>Fi</u> nish Cancel

Finally name the rule and click "Finish". If you name the rule exactly "OptumDistributor_endpoint" it will be deleted automatically if the Distributor Service is later uninstalled.

7 Uninstallation

The Distributor can be uninstalled on the server by the administrator via the normal Windows program uninstallation tool when the Distributor or its licenses are no longer needed on the server.

For moving the Distributor service with licenses to a different server or same server with an upgraded Windows version, please refer to the chapter below about moving licenses.

NOTE:

When uninstalling the Distributor ALL LICENSES WILL BE ERASED on the server.

If you just want to upgrade to a newer Distributor version on the same server you can install the new version without uninstalling the old version first. This will allow the Distributor to reuse any already activated licenses.

8 Moving licenses

In case you need to move the Distributor to a new Windows server then the following procedure must be followed to move any valid licenses as well:

- 1. Write down the activation keys for the valid licenses installed on the Distributor. These can be seen in the Distributor dashboard under products.
- 2. As administrator perform uninstallation of the Distributor. This can be done from the normal Windows program management tool. On some Windows versions an uninstall shortcut can also be found in the Start menu under Distributor.
- 3. After uninstallation has completed a new file name Distributor-xxx.bin will be placed on the desktop, with xxx being a list of numbers and letters.
- 4. Send a mail to <u>support@optumce.com</u> with a request for license deactivation, where you include the list of the activation keys in question (step 1) in the mail text and attach the Distributor-xxx.bin file mentioned above (step 3). Do not change the content of this file or rename it. If you have trouble mailing the file as a direct attachment you may try zip the file or similar first.
- 5. Optum support will reply with a mail notification when the licenses have been deactivated. Any deactivated license will now be available for activation on a different Distributor installation.
- 6. Install the Distributor on the new server (if needed) and activate the licenses again via the Distributor dashboard as before.

Please notice, that after uninstallation but before activation you will not be able to use the licenses in question, i.e. it will not be possible to run Optum products that use these licenses in your network. Since it may take a while for Optum support to process your deactivation request you should plan accordingly. To ensure expedient processing it is recommended that you arrange for a time slot with support@optumce.com before starting the move process above.

NOTE:

Optum support can only deactivate licenses obtained from Optum. If you have activated licenses from other software vendors on your Distributor installation (not recommended), then Optum support will not be able to assist you with deactivation of those.