

Deploying CMTrace to a device Collection

So why bother deploying CMTrace to all your clients?

By default CMTrace is not installed as part of the SCCM client installation. If you need to troubleshoot problems on the local client having CMTrace available can be a real time saver. One method to remedy this problem is to create an application deployment that automatically copies CMTrace to a device collection of your choice. This will copy CMTrace.exe to any device that has the SCCM client installed.

Another method is to copy CMTrace using a task sequence. I have provided documentation if you would like to try this method as well. (Copy CMTrace to all computers using a task sequence.)

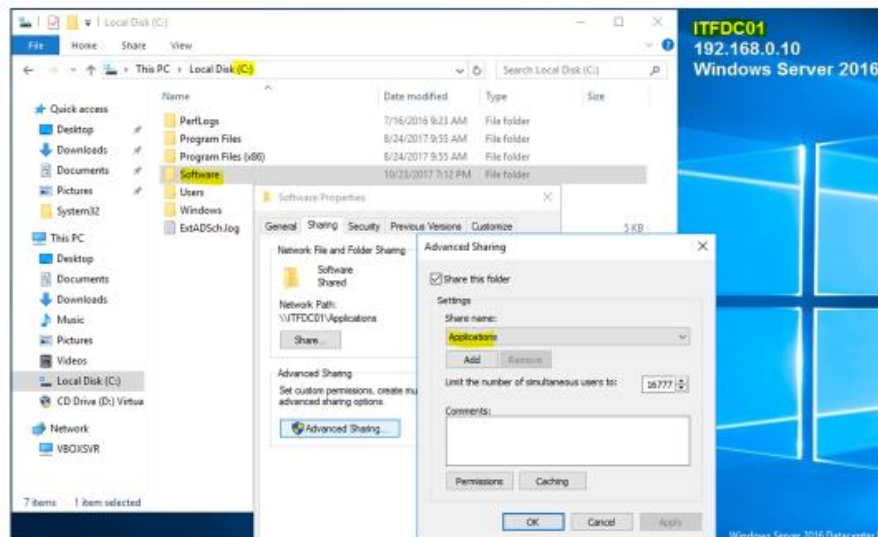
In this lecture we will demonstrate the first method, by completing the following steps.

- Create the folder structure
- Use notepad to create a script
- Create an application in Configuration Manager
- Deploy CMTrace to a device collection

Step 1 Create the Folder

Create and Share the Folder

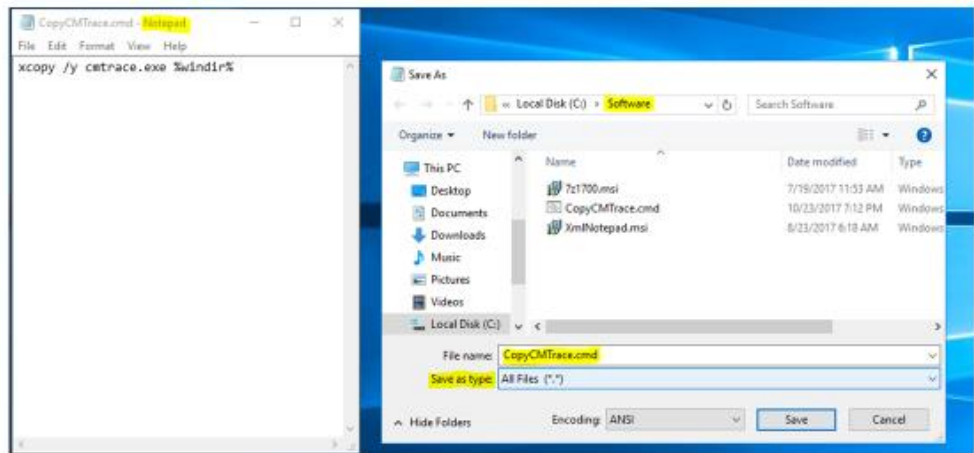
- Create a folder called C:\Software
- Share name = Applications



- From the ITFDC01 server
- Create a folder on the C: drive called C:\Software
- Share the folder and name the share - Applications

Create the Script

- Open Notepad
- Type command
- Save as type = All Files
- Name file
- Save to C:\Software



- **Open Notepad, now let's create the script**
- **Type** `xcopy /y cmtrace.exe %windir%`
- Now save the file.
- Click file, Save AS
- Make sure you change **Save as Type** FROM Text Documents, to **ALL FILES**
- Name the file - **CopyCMTrace.cmd**
- Save the file to the **C:\Software** folder.

Step 2 Creating the Application

- From Configuration Manager, from the workspace open software library, from the Navigation Pane, double click Application Management, then **right click Applications**, select **create Application**.
- From the General tab – Select **manually specify the application information**, click **next**
- From General information – Type a name – **CMTrace**.
Select **Allow this application to be installed from the Install Application Task Sequence action without being deployed**, click **next**.
- From the Application Catalog, click **next**
- From the Deployment Types, click **Add**
- From the Create Deployment Type Wizard, choose **Manually specify the deployment type information**, click **next**.
- From General Information tab, type the name **Cmtrace**, then click **next**.

- From the Content tab, enter the content location of the CMTrace.exe file which is [\\itfscm01\sms_itf\tools](#), click **browse**
- From Installation Program box: type **CopyCMTrace.cmd**, then click **next**
- From the Detection Method tab, click **Add Clause**
From the Detection Rule tab, in the **path: field** enter **%windir%**
From File or folder name: type **cmtrace.exe**, click **ok**, then **next**
- From User Experience, change installation behavior to **Install for System**
Change the Logon requirement to **Whether or not a user is logged on**, click **next 3x**.
- From the Summary review your settings, then click **next**, click **close**, then click **next**.
After the application has been created, click **close**.

Step 3 Deploying the Application to a device Collection

- From the list view, click the application that you have just created, in this case click **CMTrace**,
From the Ribbon click **Deploy**
- From Collection , click **Browse**
- From Select Collection change user collection to **device collection**
- Select the **Chicago OU**, then click **OK**, click **next**.
- From Content, click the down arrow next to **Add**, select **Distribution Point**
- From Add Distribution Points click **ITFSCCM01** as our distribution point, click **ok**, click **next**.
- From the Deployment Settings, Change Purpose from available to **required**, so that cmtrace is deployed automatically across all devices in the device collection. Click **next 5x**, then click **close**.
- From the workspace click Assets and Compliance, from the navigation pane, click Device Collections
- From the list view, double click on the Chicago OU device collection
- Here we see that ITFWS03 and 04 are the computers in the Chicago OU collection.
- Depending on the size of the collection, in a few minutes, CMTrace should be deployed to these two computers in the Chicago OU collection.

Step 4 Verifying the Installation

- For verification open the software center on both machines.
- Here we see CMTrace has been deployed to the ITFWS03 computer
- Now let's switch over to ITFSW04, bring up the software Center and we see that CMTrace has been deployed to this computer as well.

Congratulations you have completed this lecture, thanks for watching and we will see you in the next lecture.