

Creating an Application that Requires Approval

In this lecture, we will create an application that requires administrative approval. We will deploy Notepad ++ and create an EXE installer.

From the Console click software Library, then click Application Management, then right-click on Applications and click create Application.

- From the Create Application Wizard, the **General** screen, click **Manually specify the application** information, then click next.
- From **General Information**, fill out the Meta Data You can go ahead and stop the video while you fill out the name, publisher, and software version. Now click next
- From **Application Catalog**, click **edit**, and let's choose a User Category. You can click create and add your own categories if you like. These categories will appear in the clients Software Center and will help you organize your applications.
- I'll go ahead and choose **editor** then click OK.
- Now I can fill in some of the details. Let's go ahead and browse out to the Icon for Notepad++, then click open, then click next.
- Now let's create our **Deployment Type**, click **Add**, from the **General Screen**, click the down arrow and choose a **script installer**. A script Installer specifies a script or a program that runs on Windows clients to install content or to do an action. Use this deployment type for setup.exe installers or script wrappers. Then click next.
- From **General Information**, **Now type** the Deployment Type **Name – NPP 7.8.6 exe -x32**, **now click next**.
- **From Content**, content location, click browse, then browse out to the application location, then click select folder. Then type in the Server name.
- **From specify the installation command**, click browse, then browse to the install program and double click the exe. So, the **installation command is “npp.7.8.6.installer.exe”**
- Now for an EXE, we will need to find out what the **silent install command line is**.
- From google if you search Note++ silent install command line. We will find that /S will work for the silent install. Go ahead and **add /S after exe**.
- The uninstall command can be found in the registry in one of two places, and because the Notepad++ is a 32-bit installer, the uninstall command can be found in the wow6432 Node.

Now let's Open Regedit

- right-click the **Start** button, then click **Run**. Now type **regedit**, and press return.

- From regedit Browse to:
HKEY_LOCAL_MACHINE\Software\Wow6432Node\Microsoft\Windows\CurrentVersion\Uninstall\Notepad++,
- Then double click the uninstall string, copy and paste that string into Notepad. Then ok.
- **"C:\Program Files (x86)\Notepad++\uninstall.exe" /S**
- **I'll go ahead and Paste in the uninstall string**
Again you will need to add the /S (Capital S) for the silent uninstall, then click next.
- **From Detection Method** – This is what CM uses to detect if Application is already installed on this system – **Click Add Clause**
- **From Detection Rule, Setting Type – Choose Registry**
- **From the Hive – Now, I'll show you where the information for Notepad++ is.**
- From
HKEY_LOCAL_MACHINE\Software\Wow6432Node\Microsoft\Windows\CurrentVersion\Uninstall\Notepad++ -
To the right click **DisplayVersion**, which is **7.8.6**, then click ok.
- **And if the Key put the WOW6432 in there**, we are going to want to remove that, and we are going to want to check the box, This registry key is associated with a 32-bit Application on a 64 bit O/S.

Detection Rule – Asks this question. Is Application already installed on this system?
Configuration Manager uses the detection rule to answer that question by going through the registry and finding the display version.

- For **Data Type** Choose **Version**
- Then click – **This registry setting** must satisfy the following rule to indicate the presence of Application.
- Then for Operator, we want to select **Greater than or equal to**
- **Value** – In this case, should be 7.8.6 – This is the version that will get installed, ok, **then click next.**
- **For User Experience** – Verify the following:

Installation behavior – Install for System

Logon requirement – Whether or not a user is logged on

Installation program visibility – Normal

Max allowed run time – 15 minutes

Estimated Installation time – 2 minutes

Then Click next

- **Requirements** – We want this to install on 32 or 64-bit Operating Systems. We can leave this blank, or if you wanted to, you setup a rule to just install to certain Operating Systems. But in this case, we will click next.
- **Dependencies** – None
- **Click next, then next again**, then click close. Click Next, then next again, then close.
- **Now right click on the Application, then click properties**
From the General tab – Click Allow Application to be installed from a task sequence. Now click through all the tabs to verify that everything is setup correctly. Then ok

Now let's deploy the Application to the Windows 10 Users Collection

- From the Console, **right-click** on the **Application** and choose **deploy**. Then for Collection click Browse, then select **Windows 10 Users**, **ok**, then click **next**
- From **Content**, click Add and click Distribution Point, then deploy to your distribution point **in this case, choose SASCCM01.ServerAcademy.com**. Then ok, then click next.
- From **Deployment Settings**, choose **Available**.
- Here we want to **check the box** that says an **Administrator must approve a request for Application on the device**. The user would have to request the approval for the deployment, and you would get a request in the console, or you could set it so that you could receive an email and you could approve the installation from that email. Then click **next**.
- **Scheduling** – Leave the defaults there. Click **Next**
- **User Experience** select Display in Software center – Select Display in Software Center, and only show notifications for computer restarts. Click **Next**
- Defaults for Alerts, then **click next, click next again, then click close**.

- From the Client, computer open the software center, and after a few minutes, if you click Notepad++, you should see “Application requires administrator approval to be installed.
- So you write a note to the admin saying something like I need Application, please approve this. Click **request, now you can see that the request was submitted.**
- **Now from the console** – From Approval Requests -Right-click the users request and then select approve.
- **From the Application Requests, in the Approver’s Comments, I’ll type “I approve” Then ok.**
- **From the client-side** – Once that’s approved, you should be able to click on Application and install Notepad++.
- Application should then install.