

Create a Package using an MSI

In this lecture we will create a package using XmlNotepad,

First we will need to find and test our Install and uninstall Commands.

Because the program is an .msi we will use msiexec for the install command.

- And here is the Install Command - **MsiExec.exe /I XmlNotepad.msi /qn**

/I for install and /qn for quiet install. I found the install command on this website. Let's go out and check it out.

<https://silentinstallhq.com/xml-notepad-silent-install-how-to-guide/>

- For the install command, I just had to change XmlNotepadSetup.msi to XmlNotepad.msi to match my installer.

For the uninstall command

- You will need to have the product installed to find the uninstall command.
- For the uninstall string it looks like **the author** is using the **product code**. So I will have to use regedit to locate an updated product code that will work with my version of the program.

There are two places in the registry I can check for the uninstall string for my program.

Considering this is a 32 bit application running on a 64 bit O/S I will check in the WOW6432 for the uninstall string.

I'll go ahead and open regedit now and browse through

\HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Microsoft\Windows\CurrentVersion\Uninstall\{FC7BACF0-1FFA-4605-B3B4-A66AB382752D}

And there is a whole list of product codes. I had to click through each of these until I found the correct Uninstall String. So here is our uninstall command. From the website mentioned above I added the following parameters /x (for uninstall and qn for quiet or silent uninstall

- **Uninstall Command** - MsiExec.exe /x {FC7BACF0-1FFA-4605-B3B4-A66AB382752D} /qn
- Now copy both of these commands to Notepad.

{B175520C-86A2-35A7-8619-86DC379688B9}	Comments	REG_SZ	
{BD95A8CD-1D9F-35AD-981A-3E7925026EBB}	Contact	REG_SZ	
{ca67548a-5ebe-413a-b50c-4b9ceb6d66c6}	DisplayName	REG_SZ	XML Notepad 2007
{E30D8B21-D82D-3211-82CC-0F0A5D1495E8}	DisplayVersion	REG_SZ	2.3.0.0
{ef6b00ec-13e1-4c25-9064-b2f383cb8412}	EstimatedSize	REG_DWORD	0x00000832 (2098)
{F0C3E5D1-1ADE-321E-8167-68EF0DE699A5}	HelpLink	REG_SZ	
{F0C3E5D1-1ADE-321E-8167-68EF0DE699A5}.KB2151757	HelpTelephone	REG_SZ	
{F0C3E5D1-1ADE-321E-8167-68EF0DE699A5}.KB2467173	InstallDate	REG_SZ	20200524
{F0C3E5D1-1ADE-321E-8167-68EF0DE699A5}.KB2524860	InstallLocation	REG_SZ	
{F0C3E5D1-1ADE-321E-8167-68EF0DE699A5}.KB2544655	InstallSource	REG_SZ	C:\
{F0C3E5D1-1ADE-321E-8167-68EF0DE699A5}.KB2549743	Language	REG_DWORD	0x00000409 (1033)
{F0C3E5D1-1ADE-321E-8167-68EF0DE699A5}.KB2565063	ModifyPath	REG_EXPAND_SZ	MsiExec.exe /I{FC7BACF0-1FFA-4605-B3B4-A66AB382752D}
{F0C3E5D1-1ADE-321E-8167-68EF0DE699A5}.KB982573	Publisher	REG_SZ	Microsoft Corporation
{F132AF7F-7BCA-4EDE-8A7C-958108FE7DBC}	Readme	REG_SZ	
{F389DB8F-0716-4FC6-82B2-02B2FA2B4F24}	Size	REG_SZ	
{f65db027-aff3-4070-886a-0d87064aabb1}	UninstallString	REG_EXPAND_SZ	MsiExec.exe /I{FC7BACF0-1FFA-4605-B3B4-A66AB382752D}
{FC7BACF0-1FFA-4605-B3B4-A66AB382752D}	URLInfoAbout	REG_SZ	
{FD036A57-F81D-4865-AAF0-811558EA76AE}	URLUpdateInfo	REG_SZ	
ACR_12_1_32	Version	REG_DWORD	0x02030000 (33751040)
AddressBook	VersionMajor	REG_DWORD	0x00000002 (2)
Adobe Creative Cloud	VersionMinor	REG_DWORD	0x00000003 (3)
AME_13_1_5	WindowsInstaller	REG_DWORD	0x00000001 (1)
AME_14_0_1			

You should test your install and uninstall command lines from an admin level command prompt before you deploy them out to your infrastructure.

Let's go ahead and open an Admin level command prompt and test our command lines.

- Change to the source folder where the program resides.
- Now copy and paste the install command - MsiExec.exe /I XmlNotepad.msi /qn **Press return 3:21**
- After a minute if you **click start** and **check the program** you will see XML notepad 2007
- Now let's check the uninstall command.
Paste the uninstall command into your command prompt. MsiExec.exe /x {FC7BACF0-1FFA-4605-B3B4-A66AB382752D} /qn. And press return 3:46
- After a minute if you click start and check the programs you will see XML notepad 2007 is no longer there

Now let's go ahead and create our package

- From the Software Library, Application Management, right click Packages, then click create package.
- From **Package**, Name, type XmlNotepad
- Check this **package contains source files**, then click browse
- Then enter the UNC path for the XmlNotepad.msi program, then click browse, then click select folder, then click ok, then click next.
- From **Program Type**, choose **Standard Program**, then click next
From **Standard Program**, Name type XmlNotepad-Install
- **From Command Line**, paste the install command - MsiExec.exe /I XmlNotepad.msi /qn
- From **Run** select **Hidden**

- From **Program can run** – Whether or not user is logged on, then click next
- From **Requirements** Platform requirements – You could choose to run on Windows 10 only, but in this case we will choose **This program can run on any platform**.
- Estimated disk space – **10 MB**
- Maximum runtime – 15 minutes, click next, then click next again
- Click close

Now right click on the XmlNotepad **package** and click **distribute content**, then click next

- From Content Destination, click Add, click distribution point, then choose your distribution point, click ok, click next, then click next again, then click close
- Now right click on the program and click **deploy**, click browse then select software to deploy, select **XmlNotepad-Install** then click ok
- From **Collection** click Browse and choose **Windows 10 Laptops**, then click ok, then click next, then next again.
- **For Purpose** – We will choose **Required** – This will automatically install the program, then click next
- From **Scheduling**, then click **New, assign immediately after this event** (you could schedule a time for install) but in this case we want to install the software as soon as possible.
- **From Rerun behavior** – You can choose if you want to the rerun the deployment. Choose rerun if failed previous attempt, then click next.
- **From User Experience** – Click Software installation, then click next
- **From Distribution Points** – Choose download content from distribution point and run locally.
- **From Deployment Options** – If the network is really slow you can choose to **not run the program, then click next, then** next again, then click close.

Now from the software center of the Windows 10 computer because I chose required, the program should automatically install.

- You can force the installation from the configuration manager client. Lets go ahead and open the client, then click actions, then select machine policy Retrieval & Evaluation Cycle, and click Run Now. By default, this policy is runs every 60 minutes. By running this evaluation cycle, you can force the server to download the policy so the deployment will run much sooner.
- Click the start button and you should see XML notepad in the list.

Please note:

There is also a log file that you can look at called `execmgr.log`. This log records details about packages and task sequences that run on the client. The log is located on the client in `C:\Windows\CCM\logs` you can watch the install using `cmtrace`.

Click the start button and you should see `XmlNotepad` in the list.