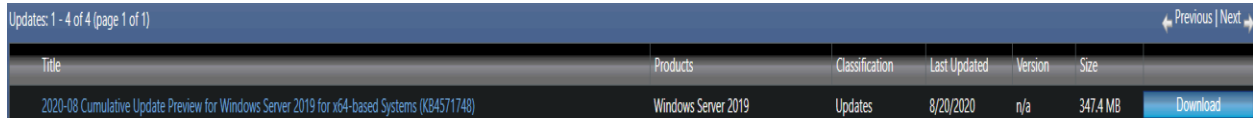


How to install MSU as a Package

In this post, I will show you the steps on how to deploy .msu by creating a package and deploying to a collection. I had to do this for deploying KB4571748. Microsoft released this preview cumulative update for Server 2019 on 21st Aug 2020. So, I had to create a package and deploy to Server 2019 collection.

First download KB4571748 from Microsoft Catalog

<https://www.catalog.update.microsoft.com/Search.aspx?q=KB4571748>

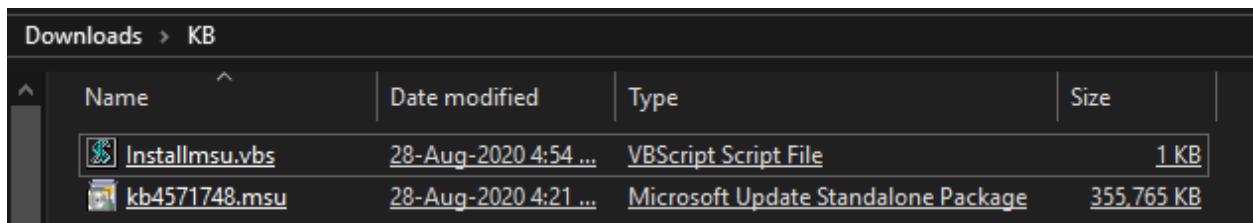


Title	Products	Classification	Last Updated	Version	Size	
2020-08 Cumulative Update Preview for Windows Server 2019 for x64-based Systems (KB4571748)	Windows Server 2019	Updates	8/20/2020	n/a	347.4 MB	Download

Then create a folder and dump it. For this test, I created a folder called KB. Inside the KB we have above msu + vbs script that, I got from here.

<https://ccmexec.com/2012/02/installing-multiple-windows-7-hotfixes-msu-with-sccm/>

So, the folder structure will be as follows:



Name	Date modified	Type	Size
Installmsu.vbs	28-Aug-2020 4:54 ...	VBScript Script File	1 KB
kb4571748.msu	28-Aug-2020 4:21 ...	Microsoft Update Standalone Package	355,765 KB

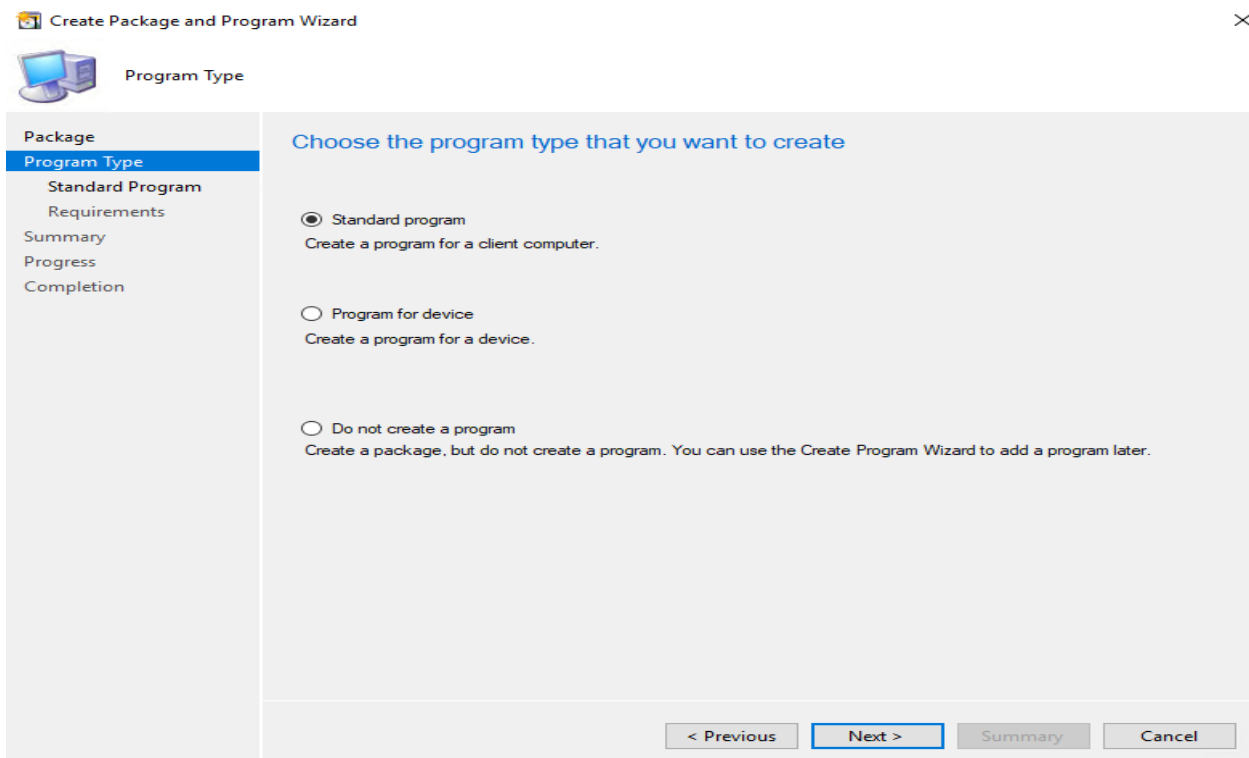
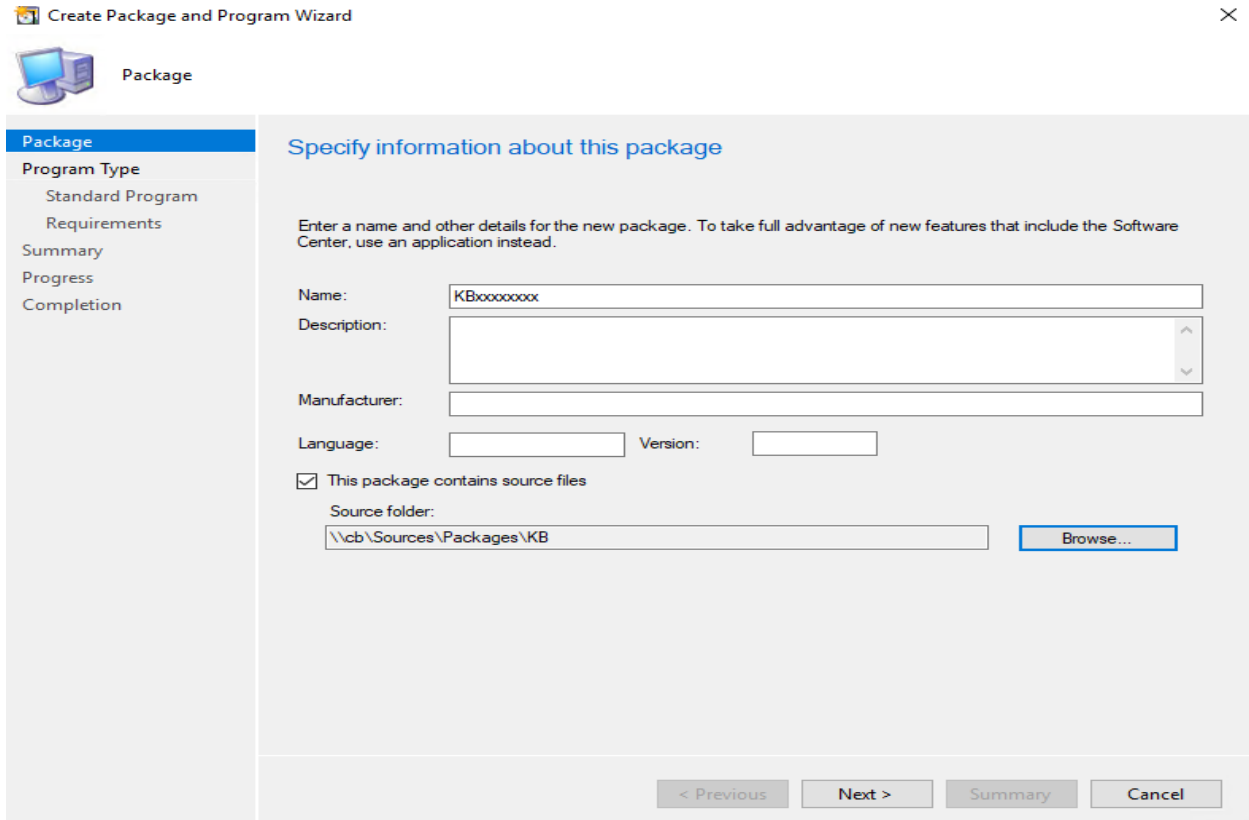
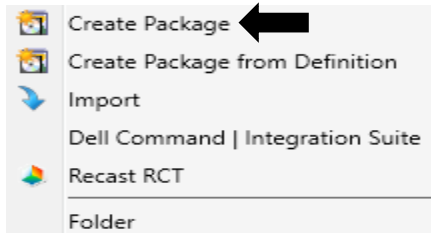
```
Installmsu.vbs - Notepad
File Edit Format View Help
Dim objfso, objShell

Dim folder, files, sFolder, folderidx, iRetVal, return
Set objfso = CreateObject("Scripting.FileSystemObject")
Set objShell = CreateObject("Wscript.Shell")
sFolder = left(WScript.ScriptFullName, (Len(WScript.ScriptFullName)) - (len(WScript.ScriptName)))
Set folder = objfso.GetFolder(sFolder)
Set files = folder.Files
For each folderIdx In files
If Ucase(Right(folderIdx.name,3)) = "MSU" then
wscript.echo "wusa.exe " & sfolder & folderidx.name & " /quiet /norestart"
iretval=objShell.Run ("wusa.exe " & sfolder & folderidx.name & " /quiet /norestart", 1, True)
If (iRetVal = 0) or (iRetVal = 3010) then
wscript.echo folderidx.name & " Success"
Else
wscript.echo folderidx.name & " Failed"
|
wscript.quit(1)
End If
End If

Next

Windows (CRLF) Ln 30, Col 1 100%
```

Now create a package as detailed below





Standard Program

- Package
- Program Type
- Standard Program**
- Requirements
- Summary
- Progress
- Completion

Specify information about this standard program

Name:

Command line:

Startup folder:

Run:

Program can run:

Run mode:

Allow users to view and interact with the program installation

Drive mode:

Reconnect to distribution point at log on

< Previous **Next >** Summary Cancel



Requirements

- Package
- Program Type
- Standard Program
- Requirements**
- Summary
- Progress
- Completion

Specify the requirements for this standard program

Run another program first

Package:

Program:

Always run this program first

Platform requirements

This program can run on any platform

This program can run only on specified platforms

- All Windows Server 2003 (Non-R2) (64-bit)
- All Windows Server 2003 R2 (64-bit)
- All Windows Server 2008 (Non-R2) (64-bit)
- All Windows Server 2008 R2 (64-bit)
- All Windows Server 2012 R2 (64-bit)
- All Windows Server 2016 and higher (64-bit)
- All Windows Server 2019 and higher (64-bit)
- All Windows Server 2012 (64-bit)
- All Windows Vista (64-bit)
- All Windows XP (64-bit)

Estimated disk space:

Maximum allowed run time (minutes):

< Previous **Next >** Summary Cancel



Summary

- Package
- Program Type
- Standard Program
- Requirements
- Summary**
- Progress
- Completion

Confirm the settings

Details:

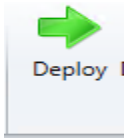
- General:**
- Name: KBxxxxxxxx
 - Description:
 - Version:
 - Publisher:
 - Language:
 - Source files: \\cb\Sources\Packages\KB
 - Always obtain files from the source folder
- Program Type: Standard Program
- Program:**
- Name: kbxxxxxxxx
 - Command line: Installmsu.vbs
 - Start in:
 - Run: Normal
 - Run mode: Run with administrative rights
 - Program can run: Whether or not a user is logged on
 - Drive mode: Runs with UNC name
- Requirements:**
- Platforms supported:
 - All Windows Server 2019 and higher (64-bit)
 - Estimated disk space: 375 MB
 - Maximum allowed runtime(minutes): 160

To change these settings, click Previous. To apply the settings, click Next.

< Previous
Next >
Summary
Cancel

Click Next – Finish

After that deploy the package to Server 2019 collection.



Deploy Software Wizard



General

- General**
- Content
- Deployment Settings
- Scheduling
- User Experience
- Distribution Points
- Summary
- Progress
- Completion

Specify general information for this deployment

Software:

Collection:

- Use default distribution point groups associated to this collection
- Automatically distribute content for dependencies

Comments (optional):

< Previous
Next >
Summary
Cancel



Content

- General
- Content**
- Deployment Settings
- Scheduling
- User Experience
- Distribution Points
- Summary
- Progress
- Completion

Specify the content destination

Distribution points or distribution point groups that the content has been distributed to:

Name	Type
\\CB.RAMLAN.CA	Distribution point

Additional distribution points, distribution point groups, and the distribution point groups that are currently associated with collections to distribute content to:

Filter...	Name	Description	Associations
	WINS.RAMLAN.CA	Distribution point	

Add Remove

< Previous Next > Summary Cancel



Deployment Settings

- General
- Content
- Deployment Settings**
- Scheduling
- User Experience
- Distribution Points
- Summary
- Progress
- Completion

Specify settings to control how this software is deployed

Action: Install Purpose: Available

< Previous Next > Summary Cancel



Summary

- General
- Content
- Deployment Settings
- Scheduling
- User Experience
- Distribution Points
- Summary**
- Progress
- Completion

Confirm the settings for this new deployment

Details:

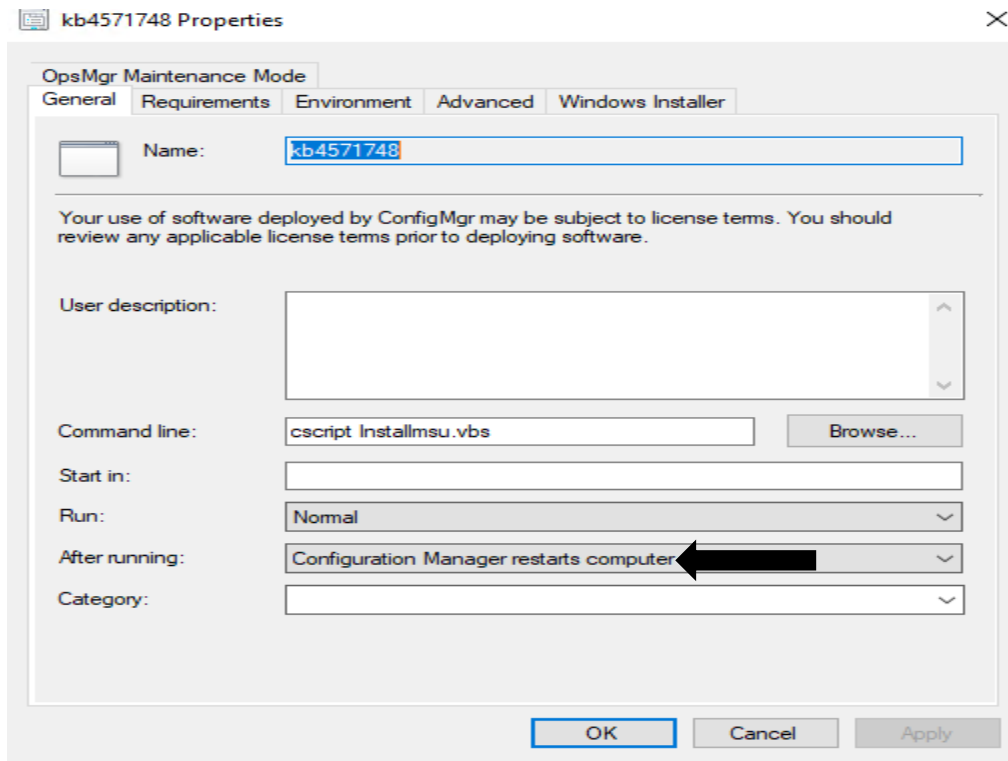
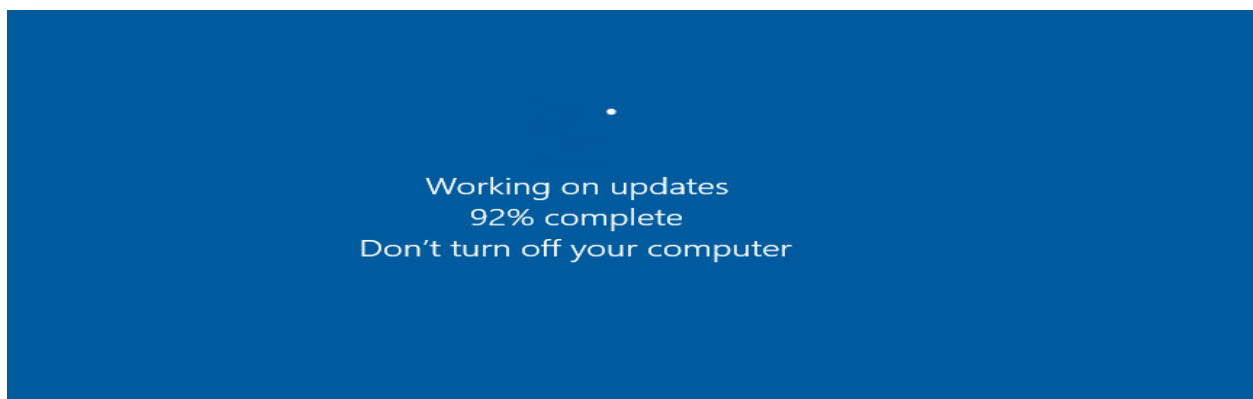
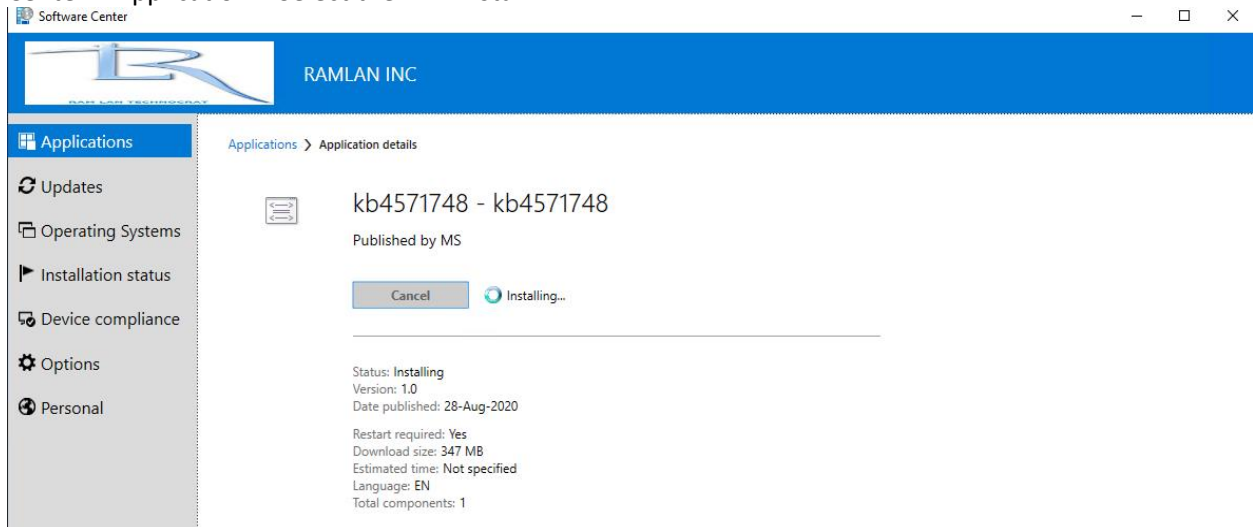
- General**
 - Software: kb4571748 (kb4571748)
 - Collection: KB4571748 (Member Count: 1)
 - Use default distribution point groups associated to this collection: Disabled
 - Automatically distribute content for dependencies: Disabled
- Deployment Settings**
 - Action: Install
 - Purpose: Available
 - Allow clients to use a metered Internet connection to download content: Disabled
- Scheduling**
 - Schedule when this deployment will become available: Disabled
 - Schedule when this deployment will expire: Disabled
 - Rerun behavior: Always rerun program
- User Experience**
 - Allow users to run the program independently of assignments: Enabled
 - Software installation: Disabled
 - System restart (if required to complete the installation): Disabled
 - Allow task sequence to run for client on the Internet: Disabled
 - Commit changes at deadline or during a maintenance window (requires restarts): Enabled
- Distribution Points**
 - Select the deployment option to use when a client uses a distribution point from a current boundary group: Download content from distribution point and run locally

To change these settings, click Previous. To apply the settings, click Next.

< Previous Next > Summary Cancel

Click Next – Finish

Now we should have the package ready for install on any server running Windows 2019. Open Software Center – Application – Select the KB - Install



Thanks

Ram Lan
28th Aug 2020