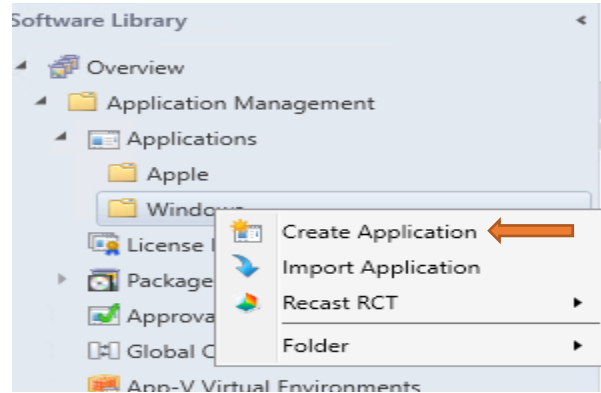


How to deploy KB4467684 as an application through CB1810

In this post, I am going to deploy KB4467684 (November 2018 CU) to all systems running Server 2016. This deployment will be an application using PowerShell and the detection will be PowerShell Script.



Create Application Wizard



General

General

General Information

Application Catalog

Deployment Types

Summary

Progress

Completion

Specify settings for this application

Applications contain software that you can deploy to users and devices in your Configuration Manager environment. Applications can contain multiple deployment types that customize the installation behavior of the application.

☐ Automatically detect information about this application from installation files:

Type: Windows Installer (*.msi file) ▼

Location:

Browse...

Example: \\Server\Share\File

☒ Manually specify the application information

< Previous

Next >

Summary

Cancel



General Information

General

General Information

Application Catalog

Deployment Types

Summary

Progress

Completion

Specify information about this application

Name:

Administrator comments:

Publisher: Software version:

Optional reference:

Administrative categories:

☐ Date published:

Specify the administrative users who are responsible for this application.

Owners:

Support contacts:

< Previous

Next >

Summary

Cancel



Application Catalog

General

General Information

Application Catalog

Deployment Types

Summary

Progress

Completion

Specify the Configuration Manager Application Catalog entry

Specify information about how you want to display this application to users when they browse the Application Catalog. To provide information in a specific language, select the language before you enter a description.

Selected language:

Localized application name:

User categories:

User documentation:

Link text:

Privacy URL:

Localized description:

Keywords:

Icon:

☐ Display this as a featured app and highlight it in the company portal

< Previous

Next >

Summary

Cancel



Deployment Types

General

General Information

Application Catalog

Deployment Types

Summary

Progress

Completion

Configure deployment types and the priority in which they will be applied for this application

Deployment types include information about the installation method and the source files for this application.

Deployment types:

Increase Priority

Decrease Priority

Filter...

Priority	Name	Type	Languages
There are no items to show in this view.			

Add...

Edit...

Copy

Delete

< Previous

Next >

Summary

Cancel



General

General

General Information

Content

Detection Method

User Experience

Requirements

Dependencies

Summary

Progress

Completion

Specify settings for this deployment type

Deployment types include information about the installation method and source files for this application.

Type:

Script Installer

☐ Automatically identify information about this deployment type from installation files

Location:

Example: \\Server\Share\File

Browse...

☒ Manually specify the deployment type information

< Previous

Next >

Summary

Cancel



General Information

General

General Information

Content

Detection Method

User Experience

Requirements

Dependencies

Summary

Progress

Completion

Specify general information for this deployment type

Applications can have any number of deployment types. Deployment types include links to content and settings that specify how the content is delivered.

Name: KB4467684

Administrator comments: Cumulative Update Nov 2018

Languages:

Select...

< Previous

Next >

Summary

Cancel

wusa.exe "windows10.0-kb4467684-x64_14ee0bda136c7be4d8e51689c3c11d3896819f33.msu" /quiet /norestart



Content

General

General Information

Content

Detection Method

User Experience

Requirements

Dependencies

Summary

Progress

Completion

Specify information about the content to be delivered to target devices

Specify the location of the deployment type's content and other settings that control how content is delivered to target devices. All the contents in the path specified will be delivered.

Content location: \\vcn1\sources\Update\Server 2016\KB4467684

Browse...

☐ Persist content in the client cache

Specify the command used to install this content.

Installation program: e51689c3c11d3896819f33.msu" /quiet /norestart

Browse...

Installation start in:

Configuration Manager can remove installations of this content if an uninstall program is specified below.

Uninstall program:

Browse...

Uninstall start in:

☐ Run installation and uninstall program as 32-bit process on 64-bit clients.

< Previous

Next >

Summary

Cancel

Create Deployment Type Wizard

Detection Method

General
General Information
Content
Detection Method
User Experience
Requirements
Dependencies
Summary
Progress
Completion

Specify how this deployment type is detected

Specify how Configuration Manager determines whether this deployment type is already present on a device. This detection occurs before the content is installed or when software inventory data is collected.

☐ Configure rules to detect the presence of this deployment type:

Connector	Clause

Add Clause...
Edit Clause...
Delete Clause

Group
Ungroup
Edit...

☒ Use a custom script to detect the presence of this deployment type:

Script type:
Script length:

< Previous Next > Summary Cancel

```
$UpdatesInstalled = Get-Hotfix 'KB4467684' -ErrorAction SilentlyContinue
If ($UpdatesInstalled) {
Write-Host "Installed"
}
```

Script Editor

Specify the script that will be used to detect this application

To view the contents of an existing script as a starting point, click the Open button. Opening a script will clear any previously entered script data.

Script type: PowerShell Open... Clear

☐ Run script as 32-bit process on 64-bit clients


Script contents:

```
$UpdatesInstalled = Get-Hotfix "KB4467684" -ErrorAction SilentlyContinue
if ($UpdatesInstalled) {
Write-Host "Installed"
}
```

OK Cancel

Create Deployment Type Wizard

>

 Detection Method

General

General Information

Content

Detection Method

User Experience

Requirements

Dependencies

Summary

Progress

Completion

Specify how this deployment type is detected

Specify how Configuration Manager determines whether this deployment type is already present on a device. This detection occurs before the content is installed or when software inventory data is collected.

☐ Configure rules to detect the presence of this deployment type:

	Connector	(Clause)


☒ Use a custom script to detect the presence of this deployment type:

Script type:

Script length:

Create Deployment Type Wizard

×

 User Experience

General

General Information

Content

Detection Method

User Experience

Requirements

Dependencies

Summary

Progress

Completion

Specify user experience settings for the application

Installation behavior:

Logon requirement:

Installation program visibility:

☐ Allow users to view and interact with the program installation

Specify the maximum run time and estimated installation time of the deployment program for this application. The estimated installation time displays to the user when the application installs.

Maximum allowed run time (minutes):

Estimated installation time (minutes):



Requirements

General

- General Information
- Content
- Detection Method
- User Experience
- Requirements**
- Dependencies
- Summary
- Progress
- Completion

Specify installation requirements for this deployment type

Specify any requirements, such as hardware features or the operating system version, that devices must have before they can install this deployment type. Configuration Manager verifies that these requirements are met before content is deployed to the device.

Requirements:

Filter...		
Requirement Type	Operator	Values
There are no items to show in this view.		



Add...

Edit...

Delete

< Previous

Next >

Summary

Cancel

Create Requirement

Category:

Device

Condition:

Operating system

Create...

Rule type:

Value

Operator:

One of

☒ Select all

- ☐ Windows 8.1
- ☐ Windows 10
- ☐ Windows 2003
- ☐ Windows 2008
- ☐ Windows Server 2012
- ☐ Windows Server 2012 R2
- ☒ Windows Server 2016
- ☒ All Windows Server 2016 and higher (64-bit)
- ☐ Windows Embedded

OK

Cancel



Requirements

General

General Information

Content

Detection Method

User Experience

Requirements

Dependencies

Summary

Progress

Completion

Specify installation requirements for this deployment type

Specify any requirements, such as hardware features or the operating system version, that devices must have before they can install this deployment type. Configuration Manager verifies that these requirements are met before content is deployed to the device.

Requirements:

Filter...		
Requirement Type	Operator	Values
Operating system	One of	{All Windows Server 2016 and higher (64-bit)}

Add...

Edit...

Delete

< Previous

Next >

Summary

Cancel



Dependencies

General

General Information

Content

Detection Method

User Experience

Requirements

Dependencies

Summary

Progress

Completion

Specify software dependencies for this deployment type

Software dependencies are deployment types that must be installed before this deployment type can be installed.

Software dependencies:

	Name	Application	Deployment Type	Automatically Install	
--	------	-------------	-----------------	-----------------------	--

Add...

Edit...

Delete

< Previous

Next >

Summary

Cancel



Summary

General

General Information

Content

Detection Method

User Experience

Requirements

Dependencies

Summary

Progress

Completion

Confirm the settings for this deployment type

Details:

General Information:

- Name: KB4467684
- Technology: Script Installer
- Administrator comments: Cumulative Update Nov 2018
- Languages:

Content:

- Content location: \\cm1\\sources\\Update\\Server 2016\\KB4467684
- Persist in client cache: No
- Installation program: wusa.exe "windows10.0-kb4467684-x64_14ee0bda136c7be4d8e51689c3c11d3896819f33.msu" /quiet /norestart
- Installation start in:

Detection Method:

User Experience:

- Installation behavior: Install for system
- Login requirement: Whether or not a user is logged on
- Installation priority: Normal
- Allow users to interact with this program: No
- Maximum allowed run time (minutes): 120
- Estimated install time (minutes): 35

Requirements:

- Operating system One of {All Windows Server 2016 and higher (64-bit)}

Dependencies:

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

< Previous

Next >

Summary

Cancel



Completion

General

General Information

Content

Detection Method

User Experience

Requirements

Dependencies

Summary

Progress

Completion



The Create Deployment Type Wizard completed successfully

Details:



Success: General Information:

- Name: KB4467684
- Technology: Script Installer
- Administrator comments: Cumulative Update Nov 2018
- Languages:



Success: Content:

- Content location: \\cm1\\sources\\Update\\Server 2016\\KB4467684
- Persist in client cache: No
- Installation program: wusa.exe "windows10.0-kb4467684-x64_14ee0bda136c7be4d8e51689c3c11d3896819f33.msu" /quiet /norestart
- Installation start in:



Success: Detection Method:



Success: User Experience:

- Installation behavior: Install for system
- Login requirement: Whether or not a user is logged on
- Installation priority: Normal
- Allow users to interact with this program: No
- Maximum allowed run time (minutes): 120
- Estimated install time (minutes): 35



Success: Requirements:

- Operating system One of {All Windows Server 2016 and higher (64-bit)}

To exit the wizard, click Close.

< Previous

Next >

Summary

Close



Deployment Types

General

General Information

Application Catalog

Deployment Types

Summary

Progress

Completion

Configure deployment types and the priority in which they will be applied for this application

Deployment types include information about the installation method and the source files for this application.

Deployment types:

Increase Priority

Decrease Priority

Filter...

Priority	Name	Type	Languages
1	KB4467684	Script	

Add...

Edit...

Copy

Delete

< Previous

Next >

Summary

Cancel



Summary

General

General Information

Application Catalog

Deployment Types

Summary

Progress

Completion

Confirm the settings for this application

Details:

General Information:

- Application name: KB4467684
- Administrator comments:
- Publisher:
- Software version:
- Optional reference:

Categories:

Owners:

- ADMINISTRATOR

Support contacts:

- ADMINISTRATOR

Application Catalog entries specified for the following languages:

- en-CA

Deployment type names:

- KB4467684

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

< Previous

Next >

Summary

Cancel



Completion

General

General Information
Application Catalog
Deployment Types
Summary
Progress
Completion



The Create Application Wizard completed successfully

Details:

- ✓ Success: General Information:
 - Application name: KB4467684
 - Administrator comments:
 - Publisher:
 - Software version:
 - Optional reference:
- ✓ Success: Categories:
- ✓ Success: Owners:
 - ADMINISTRATOR
- ✓ Success: Support contacts:
 - ADMINISTRATOR
- ✓ Success: Application Catalog entries specified for the following languages:
 - en-CA
- ✓ Success: Deployment type names:
 - KB4467684

To exit the wizard, click Close.

< Previous

Next >

Summary

Close

Overview ► Application Management ► Applications ► Windows

< Windows 6 items

Search

Icon	Name	Deployment Types	Deployments	Status
	App-V 5.0 Client UI	1	1	Active
	APPV Client 5.1 SP1	1	1	Active
	Drivers As A Service	1	1	Active
	KB4467684	1	0	Active
	Office 2019 x64	1	1	Active
	VLC Player MSI Installer	1	3	Active

Now deploy the application to Server 2016 collection.

Overview ► Application Management ► Applications ► Windows

< Windows 6 items

Search

Icon	Name
	App-V 5.0 Client UI
	APPV Client 5.1 SP1
	Drivers As A Service
	KB4467684
	Office 2019 x64
	VLC Player MSI Installer

- Manage Access Accounts
- Create Prestaged Content File
- Revision History
- Update Statistics
- Create Deployment Type
- Convert to .MSIX
- Reinstate
- Retire
- Export
- Copy
- Refresh F5
- Delete Delete
- Simulate Deployment
- Deploy
- Create Phased Deployment
- Distribute Content

Deploy Software Wizard



General

General

- Content
- Deployment Settings
- Scheduling
- User Experience
- Alerts
- 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

Deploy Software Wizard



Content

General

- Content
- Deployment Settings
- Scheduling
- User Experience
- Alerts
- Summary
- Progress
- Completion

Specify the content destination

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

Name	Type
There are no items to show in this view.	

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	
All DP in Lab	Distribution point group	0	

Add

Remove

< Previous

Next >

Summary

Cancel



Deployment Settings

General

Content

Deployment Settings

Scheduling

User Experience

Alerts

Summary

Progress

Completion

Specify settings to control how this software is deployed

Action: Purpose:

- ☐ Allow end users to attempt to repair this application
- ☐ Pre-deploy software to the user's primary device
- ☐ Send wake-up packets
- ☐ Allow clients on a metered Internet connection to download content after the installation deadline, which might incur additional costs

< Previous

Next >

Summary

Cancel



Scheduling

General

Content

Deployment Settings

Scheduling

User Experience

Alerts

Summary

Progress

Completion

Specify the schedule for this deployment

This application will be available as soon as it has been distributed to the content server(s) unless it is scheduled for a later time below. Specify the installation deadline if this is a required application. This deadline is when the application must be installed on the device, including a system restart if necessary.

Time based on: ☐ Schedule the application to be available at:

Installation deadline:

☒ As soon as possible after the available time☐ Schedule at: ☐ Delay enforcement of this deployment according to user preferences, up to the grace period defined in client settings.

< Previous

Next >

Summary

Cancel



User Experience

General

- Content
- Deployment Settings
- Scheduling
- User Experience**
- Alerts
- Summary
- Progress
- Completion

Specify the user experience for the installation of this software on the selected devices

Specify user experience setting for this deployment

User notifications: Display in Software Center, and only show notifications for computer restarts ▾

When the installation deadline is reached, allow the following activities to be performed outside the maintenance window:

- ☐ Software Installation
- ☐ System restart (if required to complete the installation)

Write filter handling for Windows Embedded devices

- ☒ Commit changes at deadline or during a maintenance window (requires restarts)

If this option is not selected, content will be applied on the overlay and committed later.

< Previous

Next >

Summary

Cancel



Alerts

General

- Content
- Deployment Settings
- Scheduling
- User Experience
- Alerts**
- Summary
- Progress
- Completion

Specify Configuration Manager and Operations Manager alert options

Configuration Manager generates alerts when this application is deployed.

Threshold for successful deployment

☐ Create a deployment alert when the threshold is lower than the following:

Percent success: 1 ▾
After: 05-Dec-2018 ▾ 5:05 PM ▾

Threshold for failed deployment

☐ Create a deployment alert when the threshold is higher than the following:

Percent failure: 0 ▾

Enable System Center Operations Manager maintenance mode if you want Operations Manager to generate alerts when this application is deployed.

- ☐ Enable System Center Operations Manager maintenance mode
- ☒ Generate System Center Operations Manager alert when a software installation fails

< Previous

Next >

Summary

Cancel

Deploy Software Wizard



Summary

General

- Content
- Deployment Settings
- Scheduling
- User Experience
- Alerts
- Summary**
- Progress
- Completion

Confirm the settings for this new deployment

Details:

General

- Software: KB4467684
- Collection: Win 2016 x64 (Member Count: 11)
- Use default distribution point groups associated to this collection: Disabled
- Automatically distribute content for dependencies: Enabled

Deployment Settings

- Action: Install
- Purpose: Required
- Allow end users to attempt to repair this application: Disabled
- Pre-deploy software to the user's primary device: Disabled
- Send wake-up packets: Disabled
- Allow clients to use a metered Internet connection to download content: Disabled

Application Settings (retrieved from application in software library)

- Application Name: KB4467684
- Application Version:
- Application Deployment Types: Script Installer

Scheduling

- Time based on: UTC
- Available Time: As soon as possible
- Deadline Time: Disabled
- Delayed enforcement on deployment: Disabled

User Experience

- User notifications: Display in Software Center, and only show notifications for computer restarts
- Ignore Maintenance Windows: Disabled
- System restart (if required to complete the installation): Disabled
- Commit changes at deadline or during a maintenance window (requires restarts): Enabled

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

< Previous

Next >

Summary

Cancel

Deploy Software Wizard



Completion

General

- Content
- Deployment Settings
- Scheduling
- User Experience
- Alerts
- Summary
- Progress
- Completion**



The Deploy Software Wizard completed successfully

Details:



Success: General

- Software: KB4467684
- Collection: Win 2016 x64 (Member Count: 11)
- Use default distribution point groups associated to this collection: Disabled
- Automatically distribute content for dependencies: Enabled



Success: Deployment Settings

- Action: Install
- Purpose: Required
- Allow end users to attempt to repair this application: Disabled
- Pre-deploy software to the user's primary device: Disabled
- Send wake-up packets: Disabled
- Allow clients to use a metered Internet connection to download content: Disabled



Success: Application Settings (retrieved from application in software library)

- Application Name: KB4467684
- Application Version:
- Application Deployment Types: Script Installer



Success: Scheduling

- Time based on: UTC
- Available Time: As soon as possible
- Deadline Time: Disabled
- Delayed enforcement on deployment: Disabled

To exit the wizard, click Close.

< Previous

Next >

Summary

Close

Now sit back relax and wait for the cumulative update to install for all systems running Server 2016.

This concludes the whole process of deploying cumulative update as an application.

Thanks

Ram Lan

28th Nov 2018