Security Removable Media Manager

SCCM/MEM Installation Guide

Version 9.11.26.0

(January 2024)

Protect your valuable data

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Squadra Technologies Excel AddIn Administrator Guide
Created - August 2011

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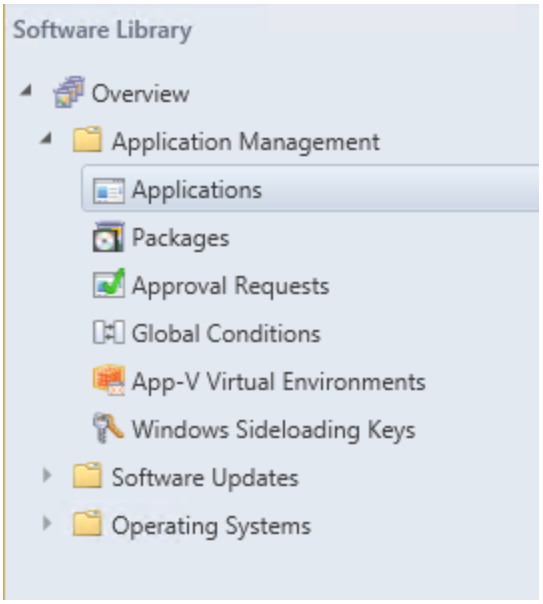
Introduction



Security **R**emovable **M**edia **M**anager (secRMM) can be installed (deployed) in your domain using Microsoft System Center Configuration Manager (SCCM). The easiest way to do this is by using the SCCM Applications deployment feature. The sections below will show you how to use the SCCM Applications deployment feature for secRMM.

There is a YouTube video on this subject at:
https://www.youtube.com/watch?v=xHkOA2o4NGs

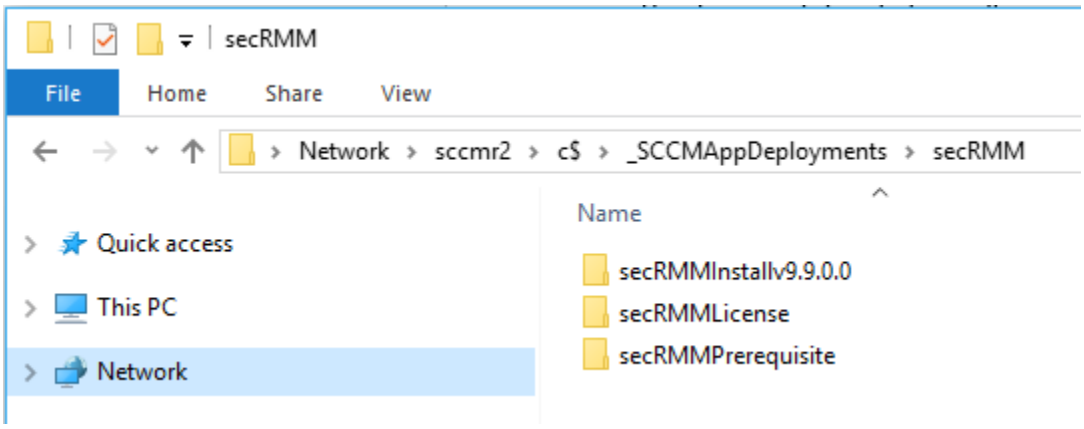
NOTE: This document is 95% screenshots so don't get discouraged with the number of pages! Hopefully you will find that a picture is really worth 1000 words.

Installation of secRMM using SCCM

Prepare the SCCM server

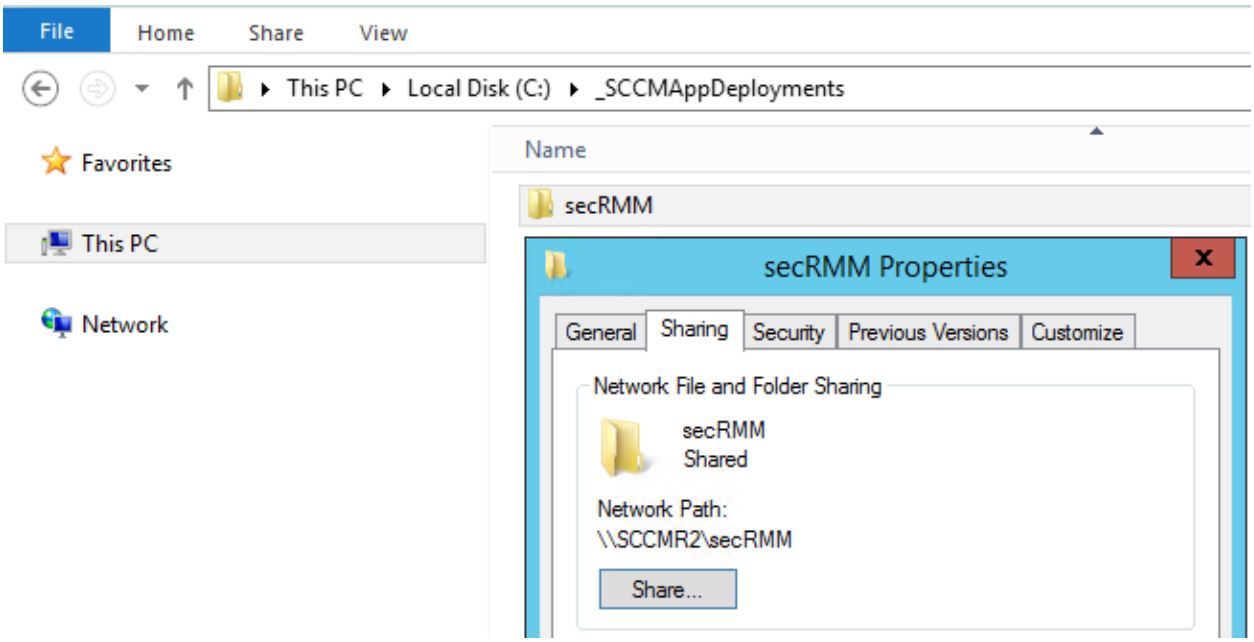
To deploy the secRMM product, the secRMM license file and the secRMM "Microsoft prerequisite software" (which may already be installed on your systems), we will create a network share on a server in your domain that all the computers in your domain can access. We suggest you name the directory secRMM. Under the secRMM directory, you will create 3 subdirectories:

1. secRMMInstallvx.x.x.x where x.x.x.x is the secRMM version number you are installing
2. secRMMLicense
3. secRMMPrerequisite

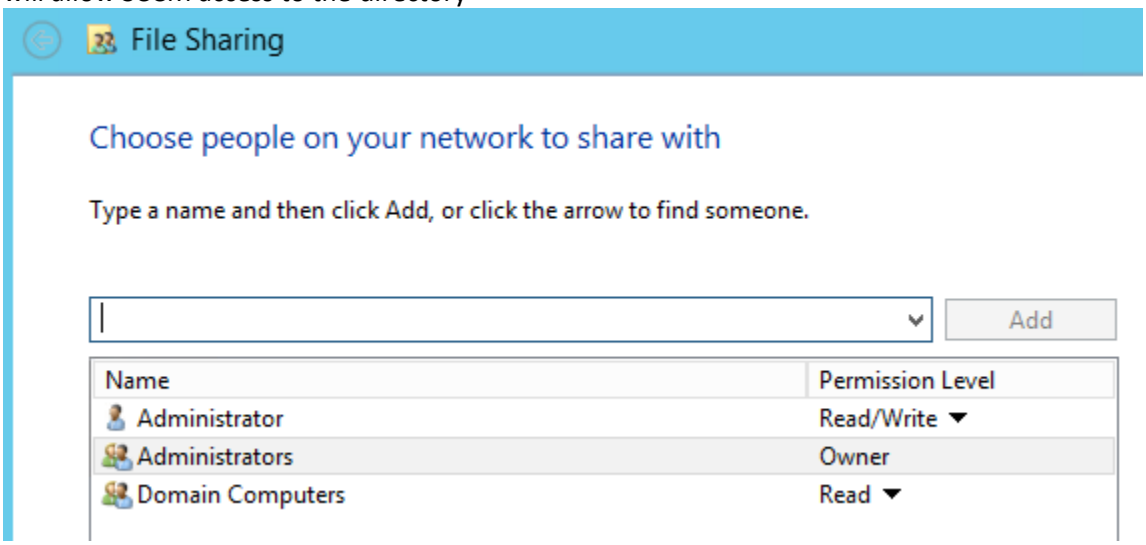


As you can see from the screenshot above, we used the SCCM site server (named sccmr2) and created the secRMM directory under the directory named _SCCMAppDeployments. We will share the directory C:_SCCMAppDeployments\secRMM so SCCM and the SCCM client computers can access it. In the screen shot below, you can see we create the share on the SCCMR2 server and the share for

C:_SCCMAppDeployments\secRMM is named secRMM so other computers can access this share at \\SCCMR2\secRMM.



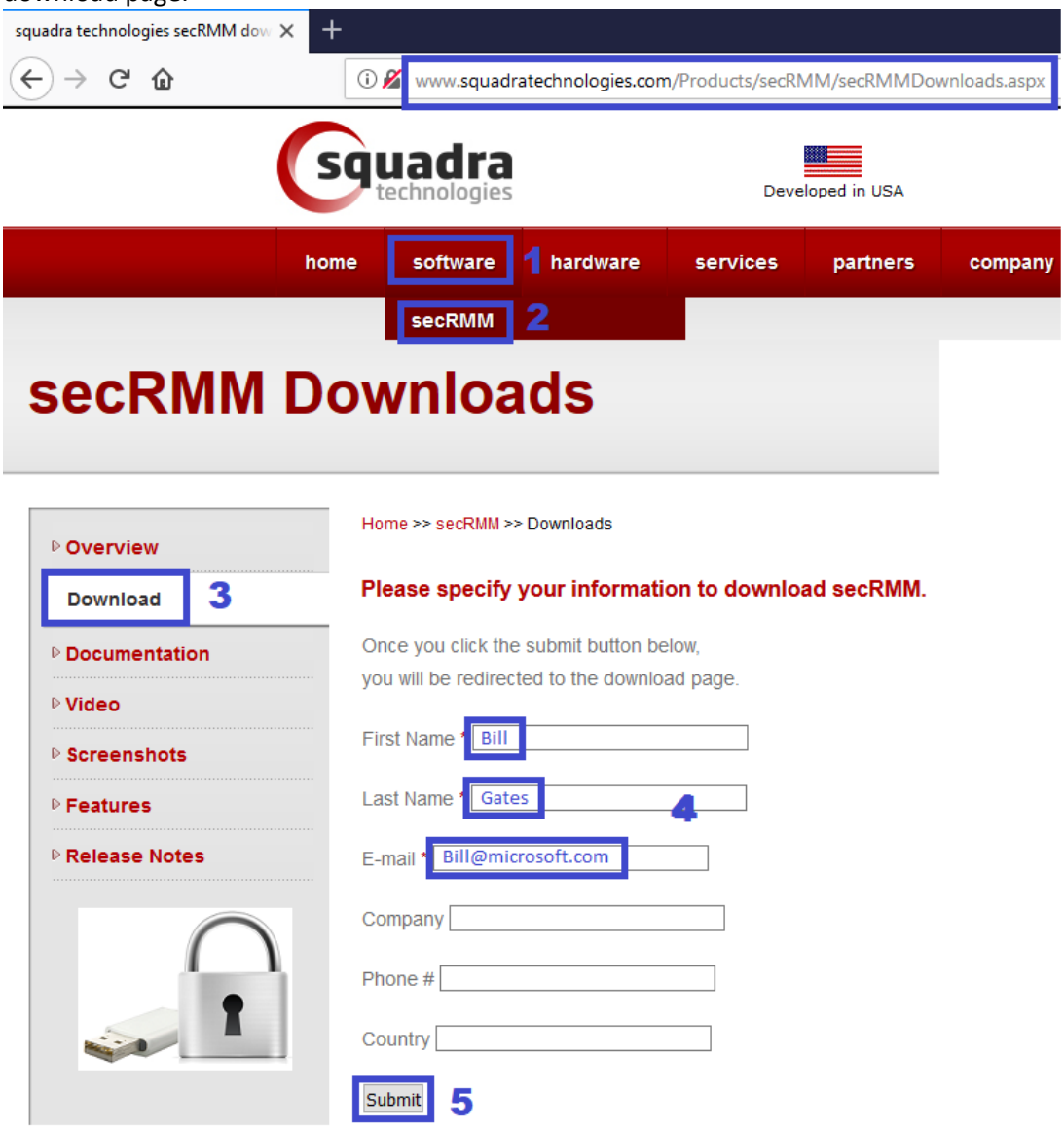
Note the share permission below. We allow the "Domain Computers" read access to this share. This will allow SCCM access to the directory[1]



Download the secRMM software

[1] The security in your environment might be set up differently. If this is the case and you are unsure of how to allow SCCM to access this directory, please contact Squadra Technologies support for assistance in setting this up.

Now that the directory structure has been created, we will download the files to go into the directories. Go to http://www.squadratechnologies.com. Follow the screen shot below to get to the secRMM download page.



If you have 64-bit and 32-bit computers in your environment, make sure to download both of the installation files. Each zip file that you download will contain the Windows installation file (the file will have a file extension of MSI). secRMMInstallx64.zip will contain secRMMInstallx64.msi and

secRMMInstallx86.zip will contain secRMMInstallx86.msi.

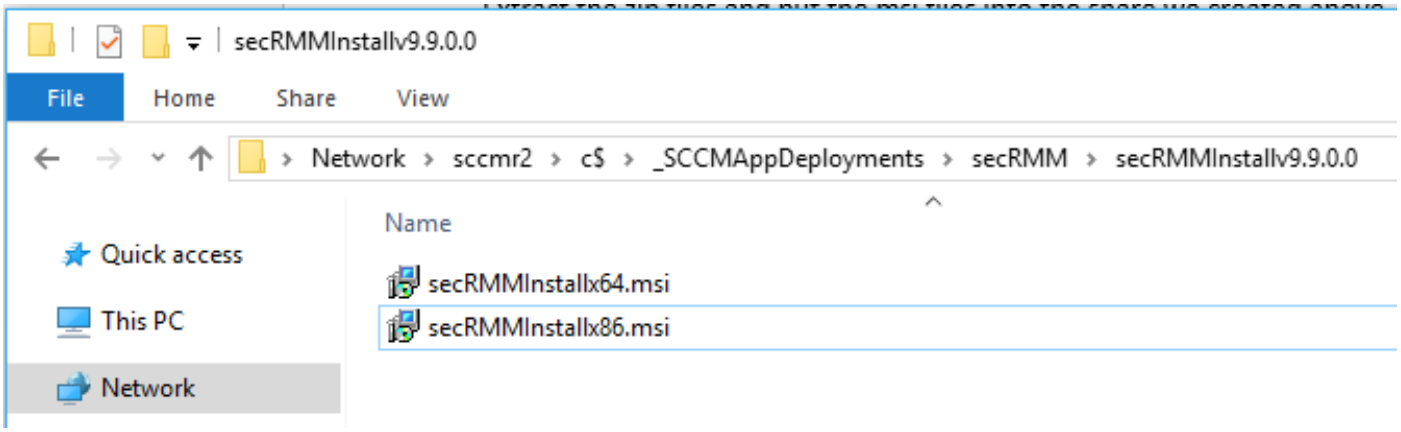
Please select a link(s) from the list below. Fully functional 30 day free trial.

Item	Download link
Prerequiste: Microsoft Universal C Runtime Update 3 (current MS patches contain this)	Microsoft download center
secRMM x64 install	secRMMInstallx64.zip
secRMM x86 install	secRMMInstallx86.zip

At the bottom of the secRMM download page, it will always show you the secRMM version you are downloading. You should write the version number down so that when we perform the SCCM Application steps below we will have the secRMM version number.

Current Version 9.8.11.0 **Posted Date:** 12/22/2017

Extract the zip files and put the msi files into the share we created above.

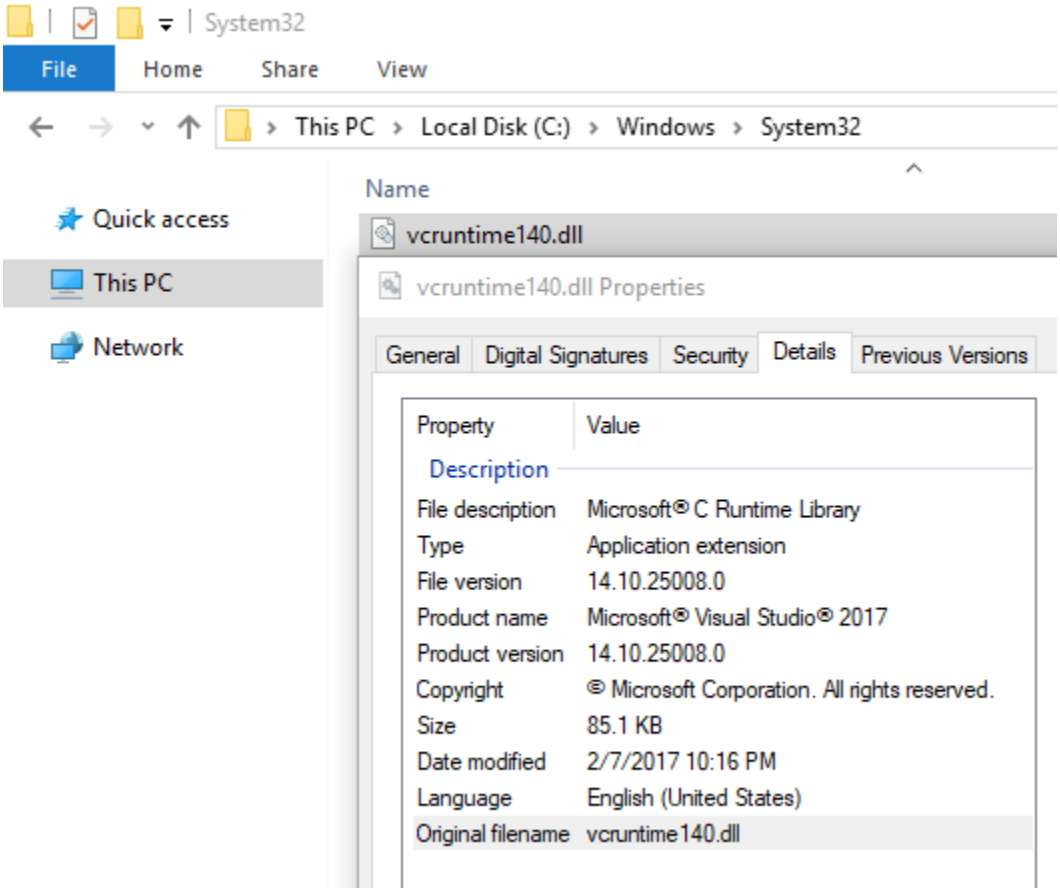


Download the Microsoft Prerequisite software

secRMM relies on the Microsoft Visual C++ Redistributable dlls. Currently, secRMM is using the "Microsoft Visual C++ 2015 Redistributable Update 3". If you are keeping current with Microsoft updates, this should already be installed on your systems. If your systems do not already have "Microsoft Visual C++ 2015 Redistributable Update 3" installed (see below on how to check if you have it already installed), please refer to the "**secRMM Prerequisites Installation Guide**" available from the Squadra Technologies web site (the same page where you received this installation guide).

Checking for the Microsoft Prerequisite software

To see if the "Microsoft Visual C++ 2015 Redistributable Update 3" dlls are already on your systems, you can check in the Windows\system32 directory for a dll named vcruntime140.dll.



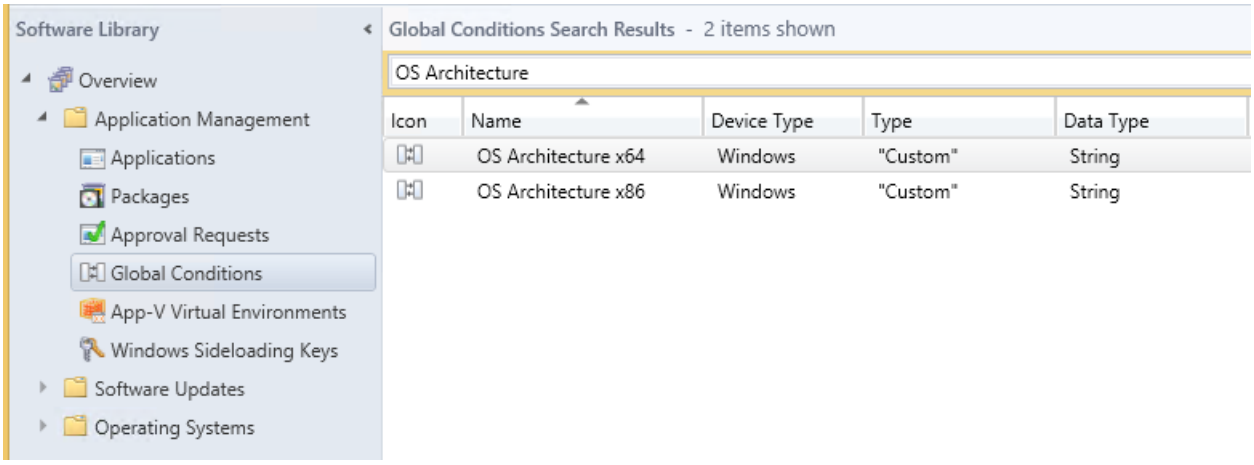
If the "Microsoft Visual C++ 2015 Redistributable Update 3" dlls are not on your systems and you install secRMM, secRMM will generate an error ("Provider load failure") and will not be able to function properly.

Create SCCM Global Conditions

Since secRMM provides a 64-bit (x64) and 32-bit (x86) installation program, we will create two SCCM "Global Conditions" so that SCCM will install the 64-bit secRMM onto x64 Windows computers and the 32-bit secRMM onto x86 Windows computers[2]. If you already have SCCM "Global Conditions" for this, you can reuse what you have already created.

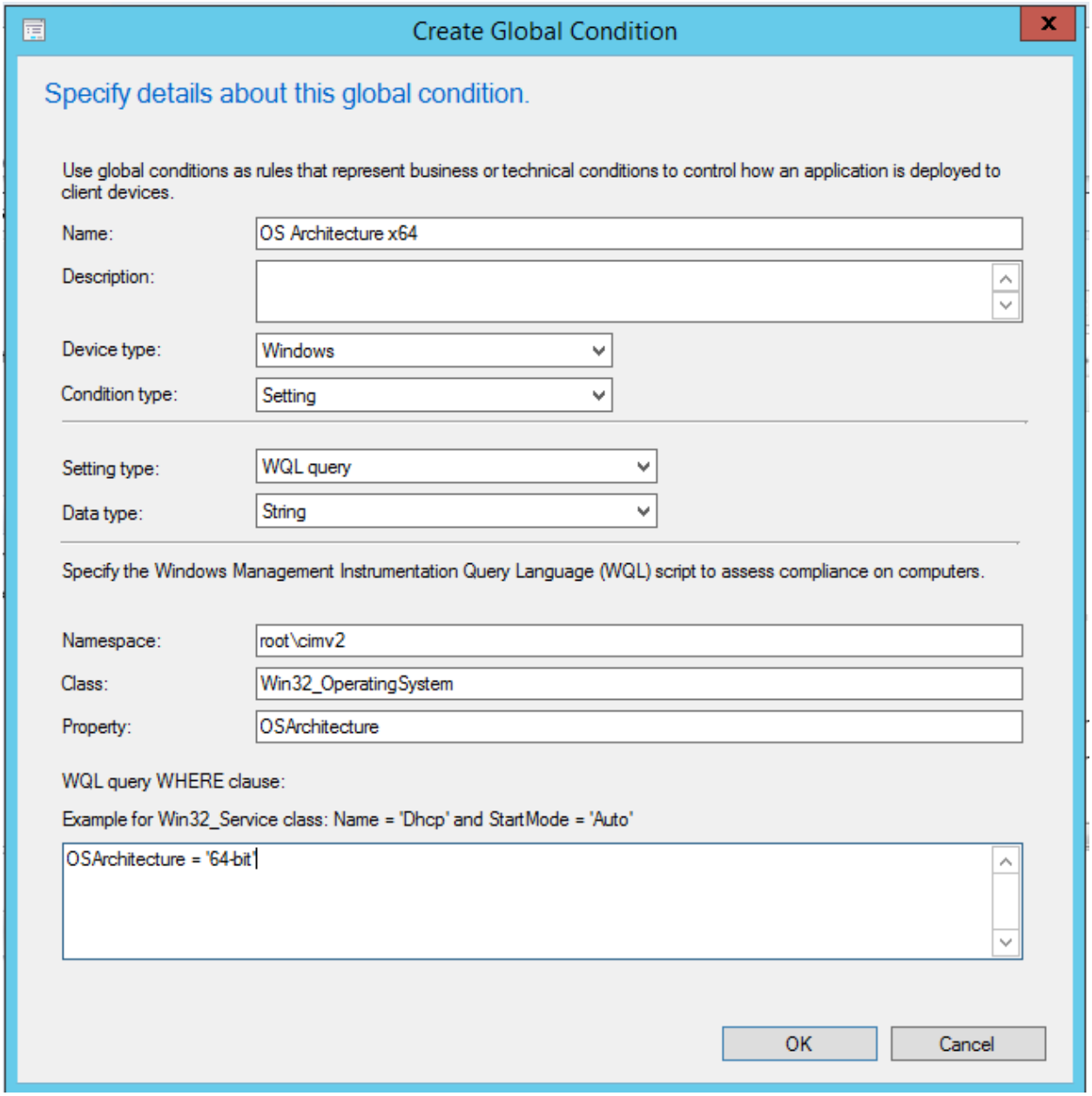
Note that if you have XP computers in your environment, you will need to use Win32_Processor instead of Win32_OperatingSystem and AddressWidth instead of OSArchitecture. The AddressWidth property will either be "64" or "32".

[2] It may seem illogical to use the terms 32-bit and x86 to mean the same thing. The x86 was the name of the Intel processor which at the time was a 32-bit processor. When you see 32-bit or x86, it means the same thing.



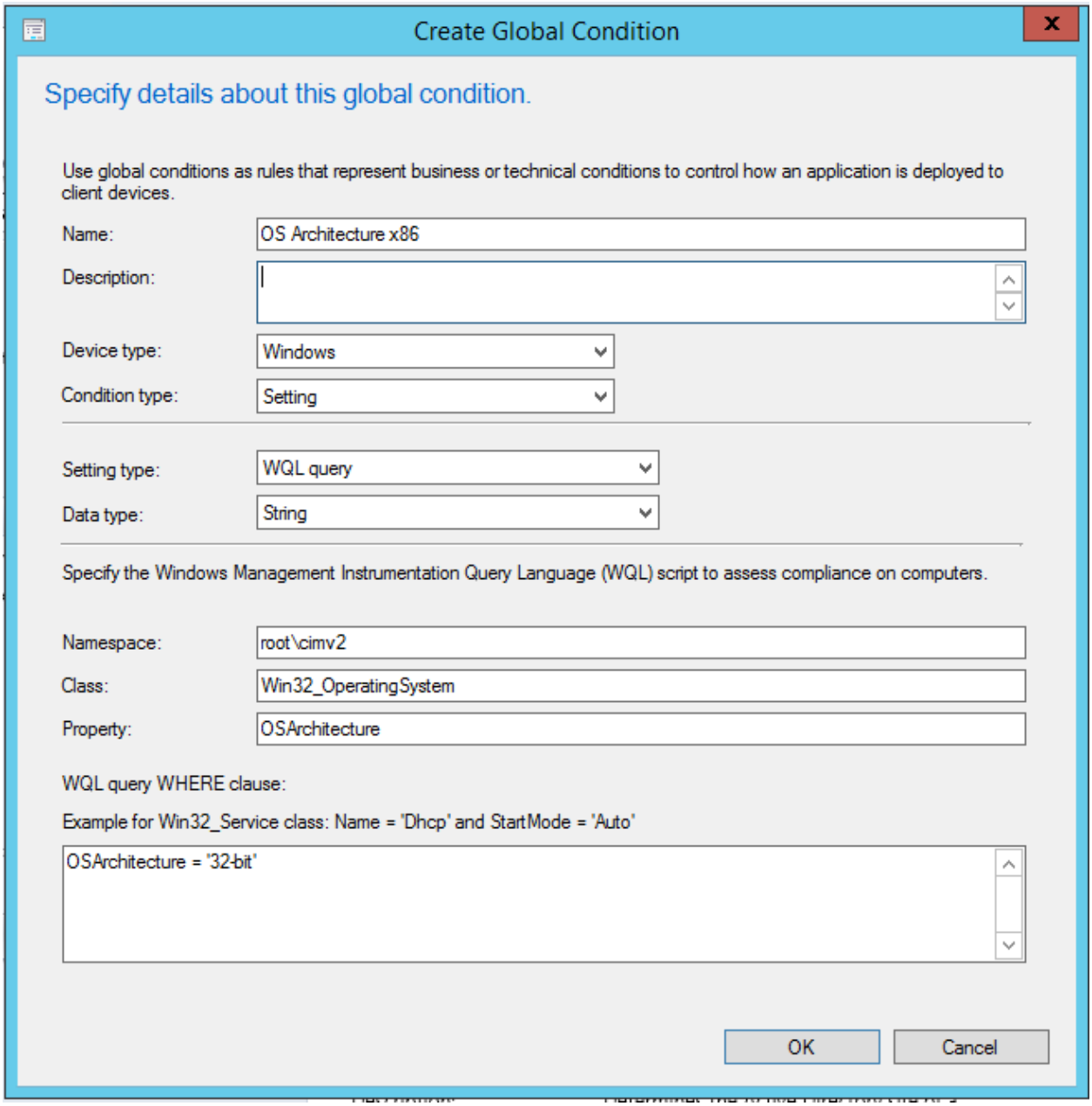
Below is the screen shot for the 64-bit Global Condition.

You can cut and paste the values below:
Name: `OS Architecture x64`
Class: `Win32_OperatingSystem`
Property: `OSArchitecture`
WQL query WHERE clause: `OSArchitecture = '64-bit'`



Below is the screen shot for the 32-bit Global Condition.

You can cut and paste the values below:
Name: `OS Architecture x86`
Class: `Win32_OperatingSystem`
Property: `OSArchitecture`
WQL query WHERE clause: `OSArchitecture = '32-bit'`

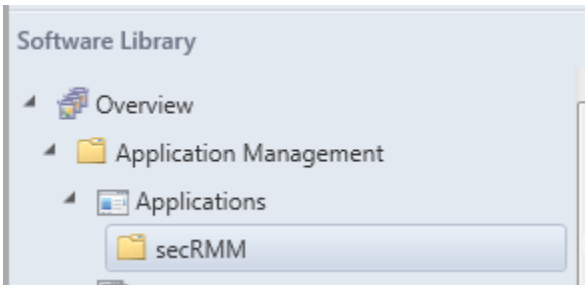

Create Global Condition
Specify details about this global condition.
Use global conditions as rules that represent business or technical conditions to control how an application is deployed to client devices.
Name:
OS Architecture x86
Description:
Device type:
Windows
Condition type:
Setting
Setting type:
WQL query
Data type:
String
Specify the Windows Management Instrumentation Query Language (WQL) script to assess compliance on computers.
Namespace:
root\cimv2
Class:
Win32_OperatingSystem
Property:
OSArchitecture
WQL query WHERE clause:
Example for Win32_Service class: Name = 'Dhcp' and StartMode = 'Auto'
OSArchitecture = '32-bit'
OK
Cancel

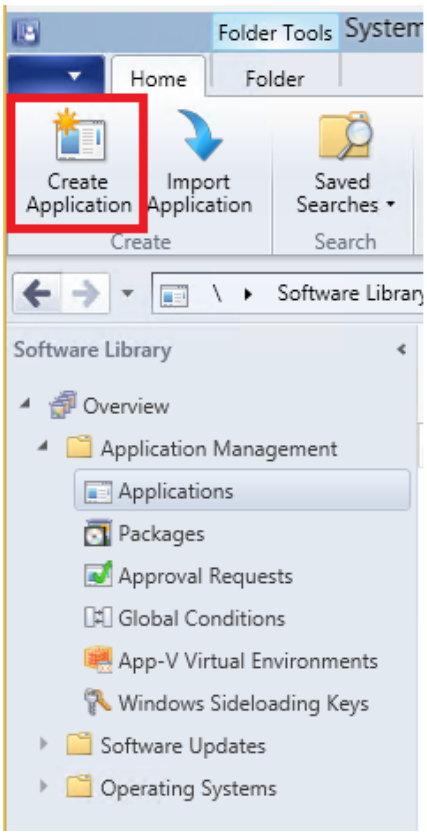
Create SCCM Applications

secRMM installation

Now we will create the SCCM Application for the secRMM installation.

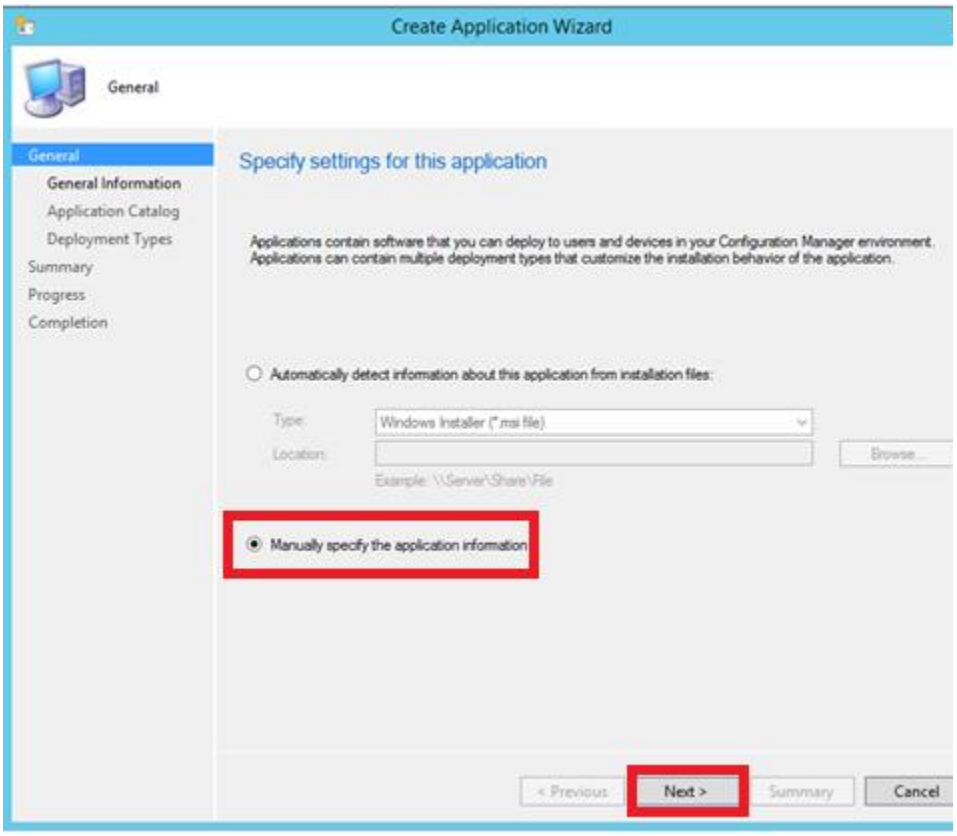
You may want to create a folder for secRMM under the SCCM->"Software Library"->Overview->"Application Management"->Applications tree node as shown below.



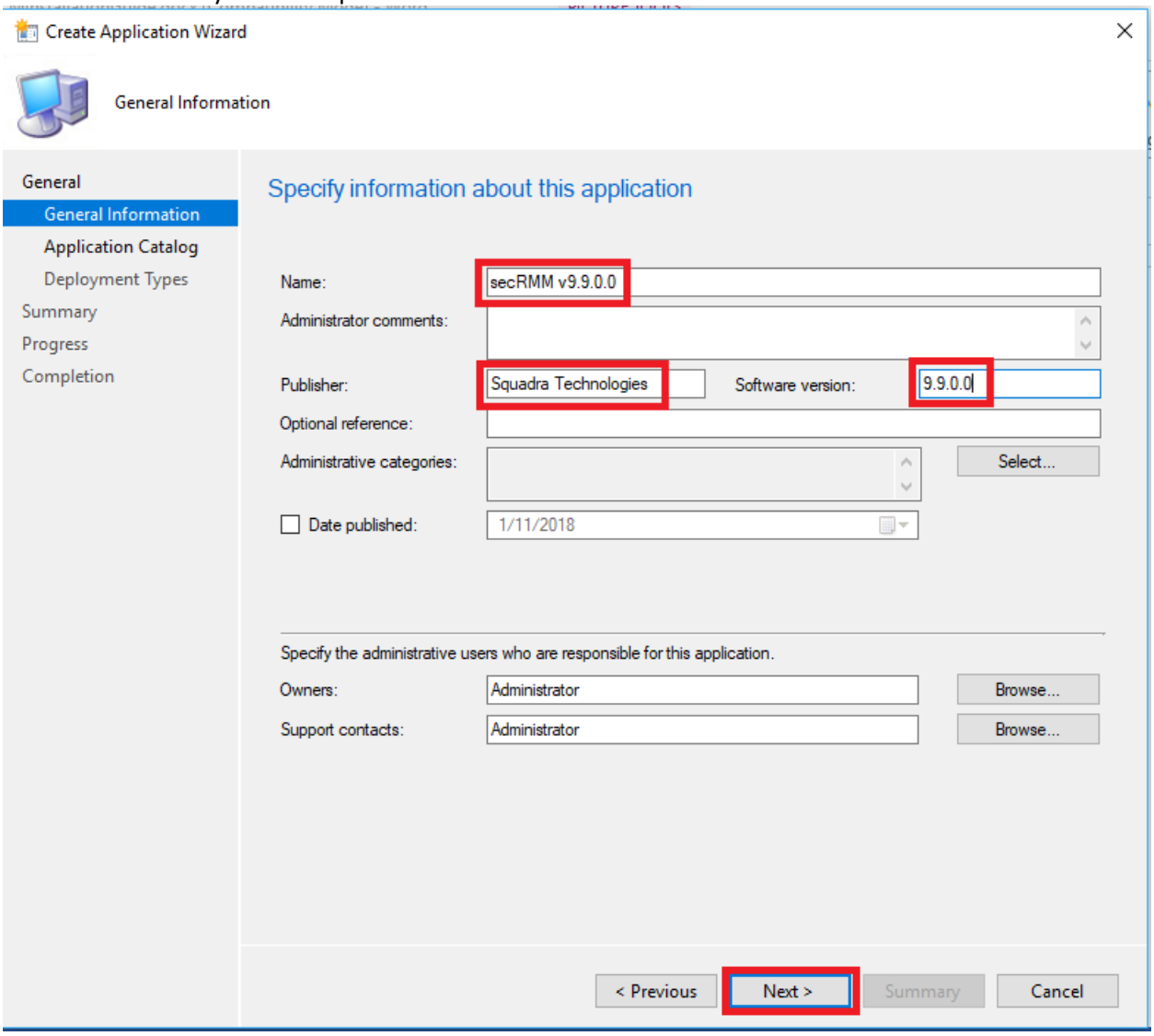


Press the "Create Application" button on the SCCM Console ribbon bar when you have the Software Library->Application Management->Applications clicked.

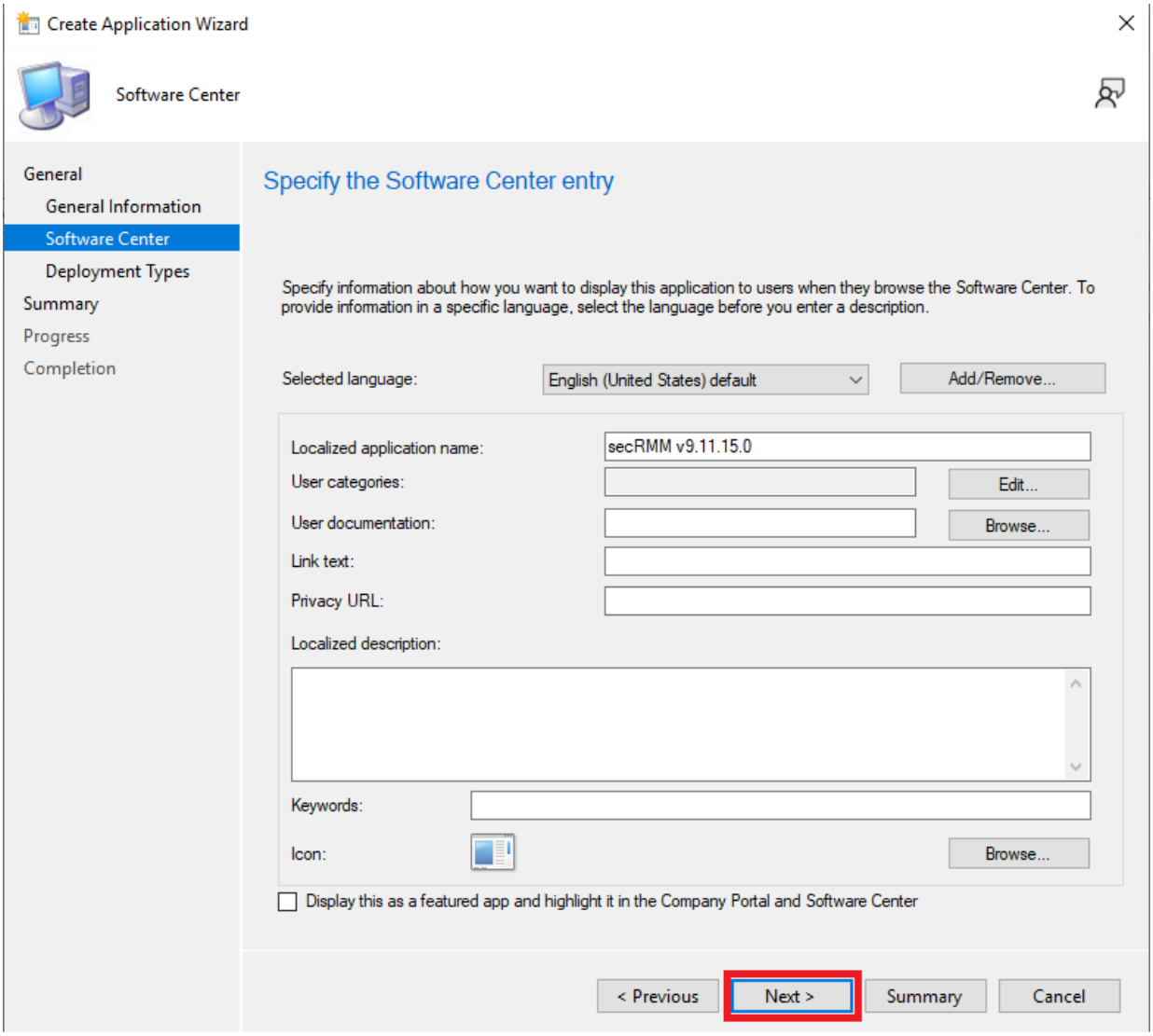
The "Create Application Wizard" will display. Select the "Manually specify the application installation" and click the Next button.



On the “General Information” page, specify the application name. You should include the secRMM version number so that if/when you upgrade secRMM, you can have unique names for the secRMM SCCM application package. There are other optional fields (such as Publisher and Software version) you can fill in based on your SCCM processes.

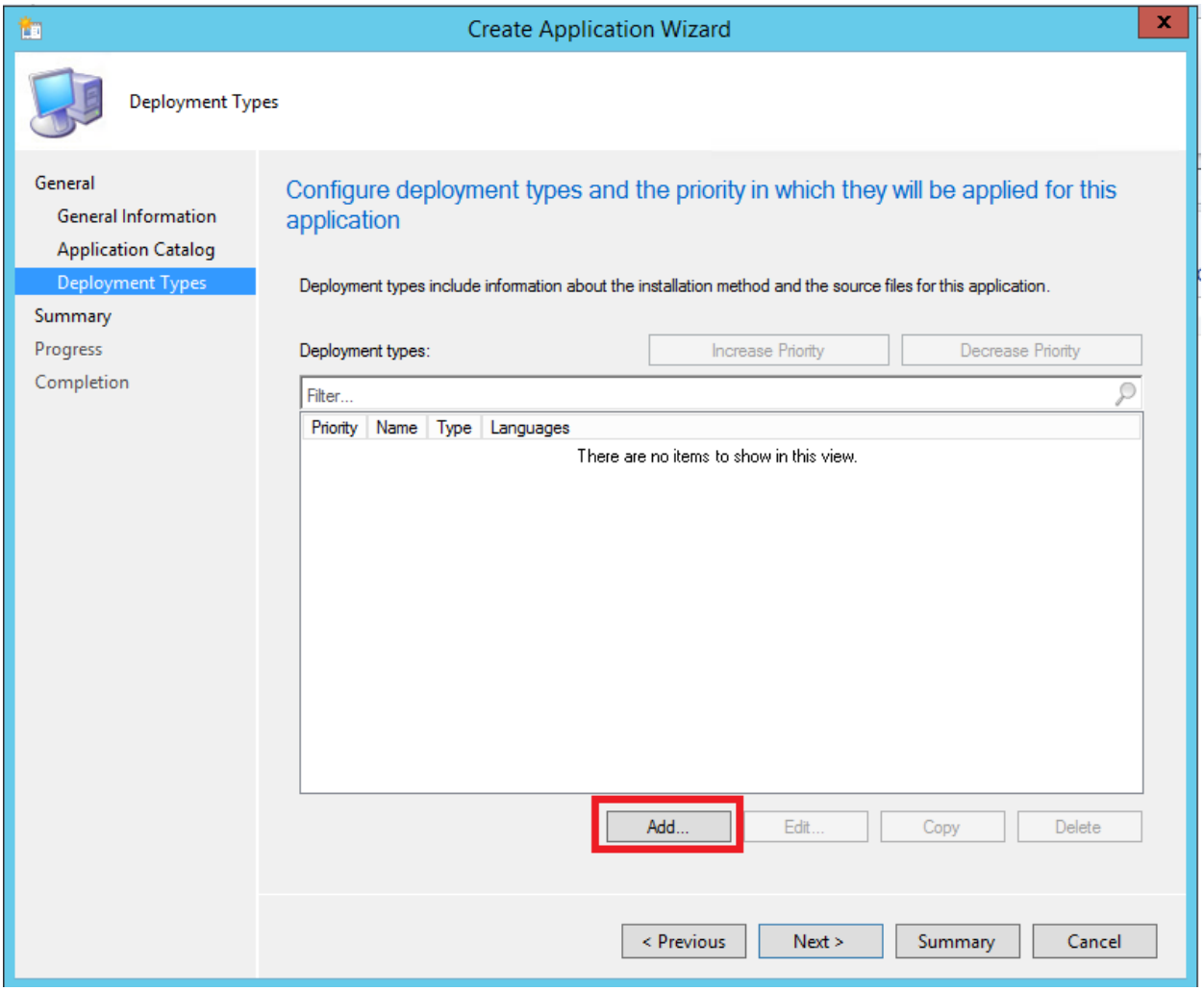


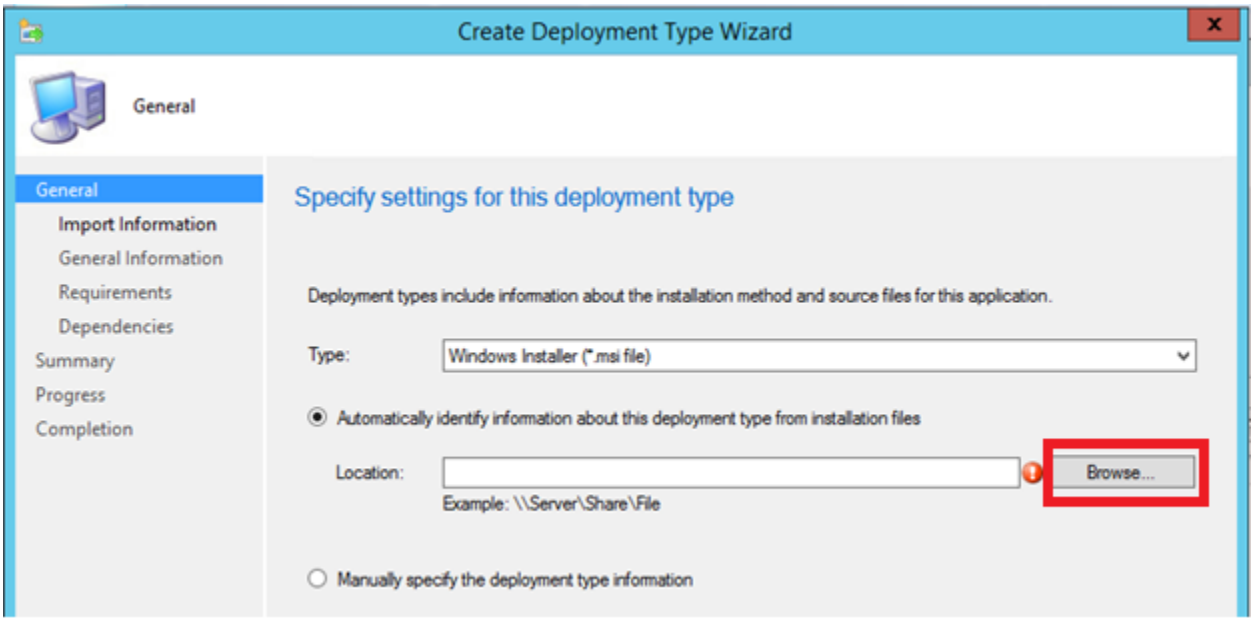
On the “Software Center” (note: used to be called “Application Catalog”) page, there are optional fields you can fill in based on your SCCM processes.



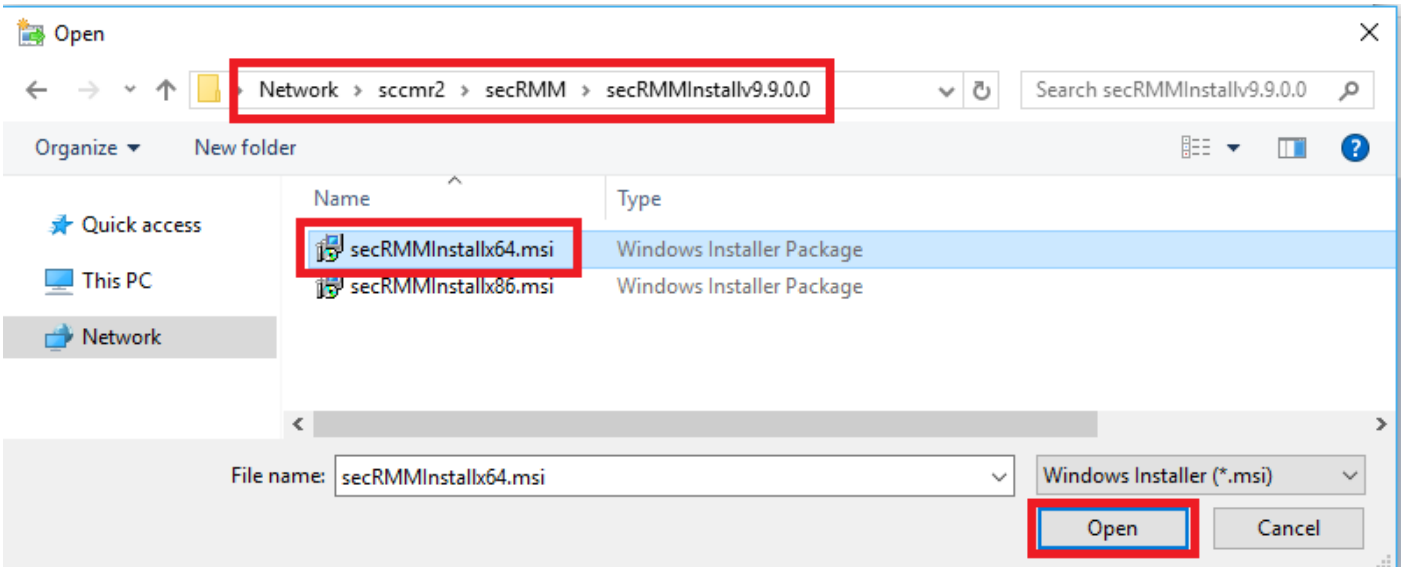
secRMM MSI files

On the "Deployment Types" page, we will add the secRMM msi files (one for x64 and one for x86). To do this, click the "Add" button.

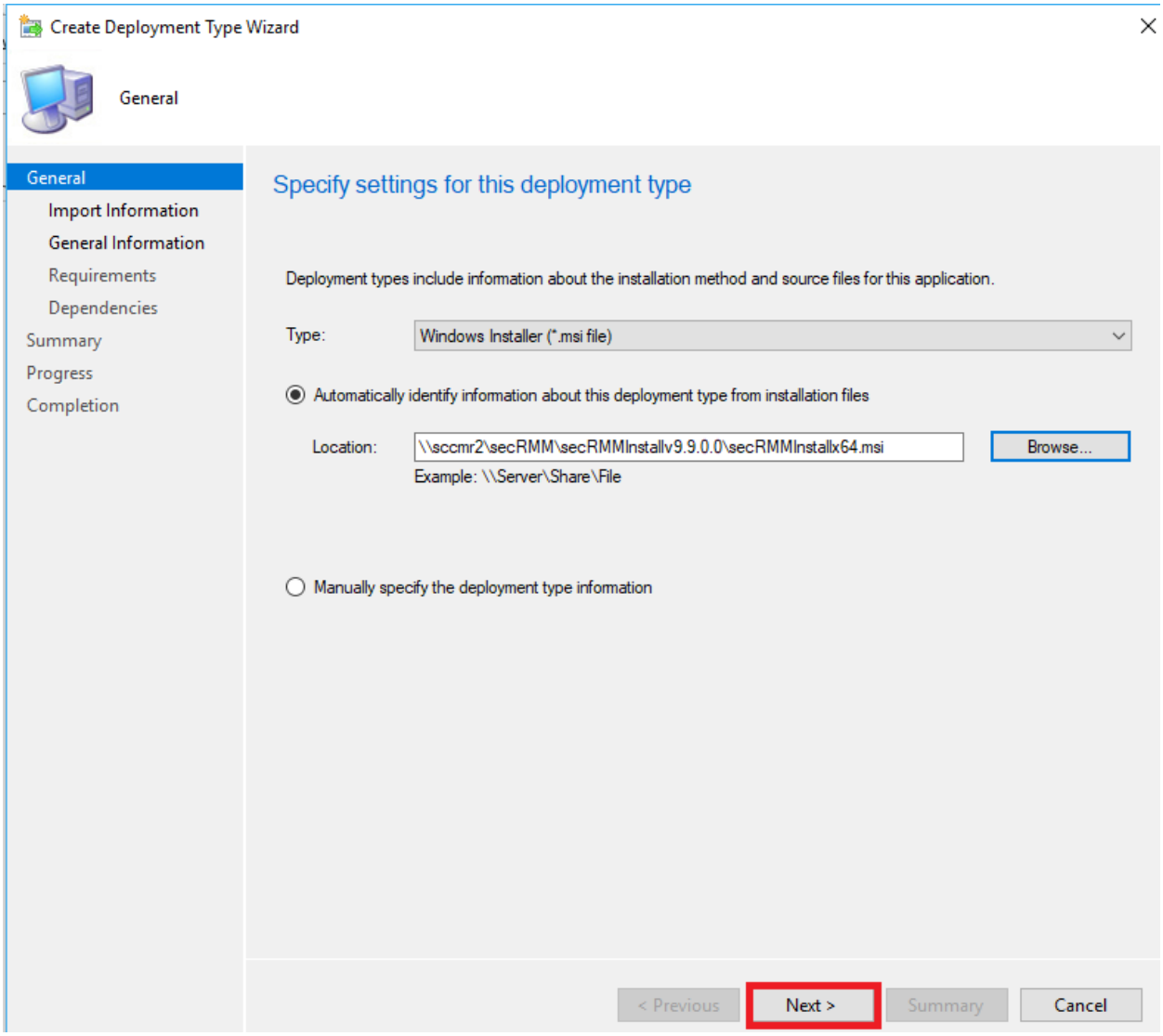

Create Application Wizard
Deployment Types
General
General Information
Application Catalog
Deployment Types
Summary
Progress
Completion
Configure deployment types and the priority in which they will be applied for this application
Deployment types include information about the installation method and 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


Create Deployment Type Wizard
General
General
Import Information
General Information
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:
Windows Installer (*.msi file)
Automatically identify information about this deployment type from installation files
Location:
Browse...
Example: \\Server\Share\File
Manually specify the deployment type information

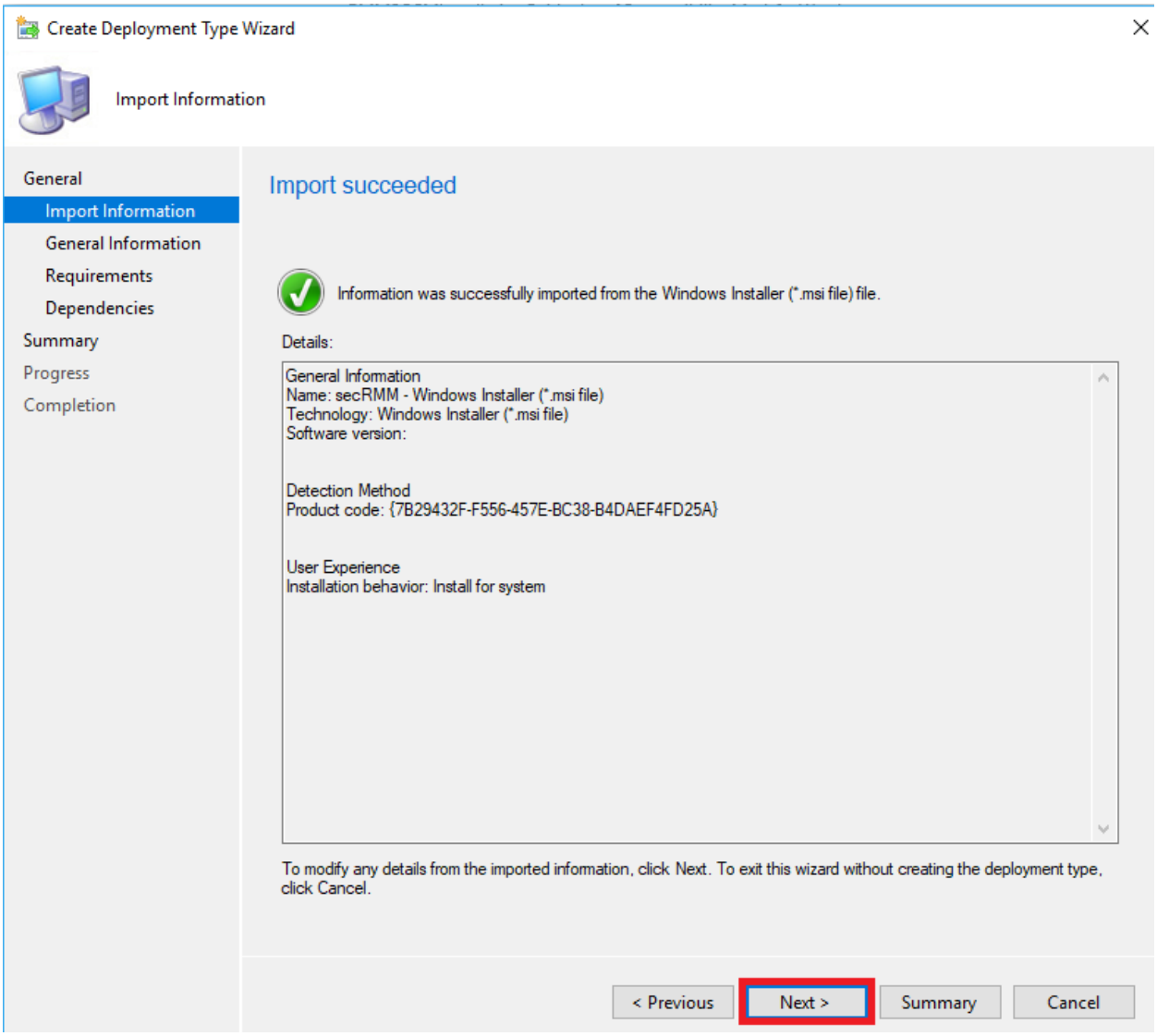
Click the “Browse” button and select the secRMMx64.msi file using the network share name \\sccmr2\secRMM\secRMMInstallvx.x.x.x\secRMMInstallx64.msi. Be sure you do not use the local file name C:_SCCMAppDeployments\secRMM\ on this step.



Click the “Next” button.



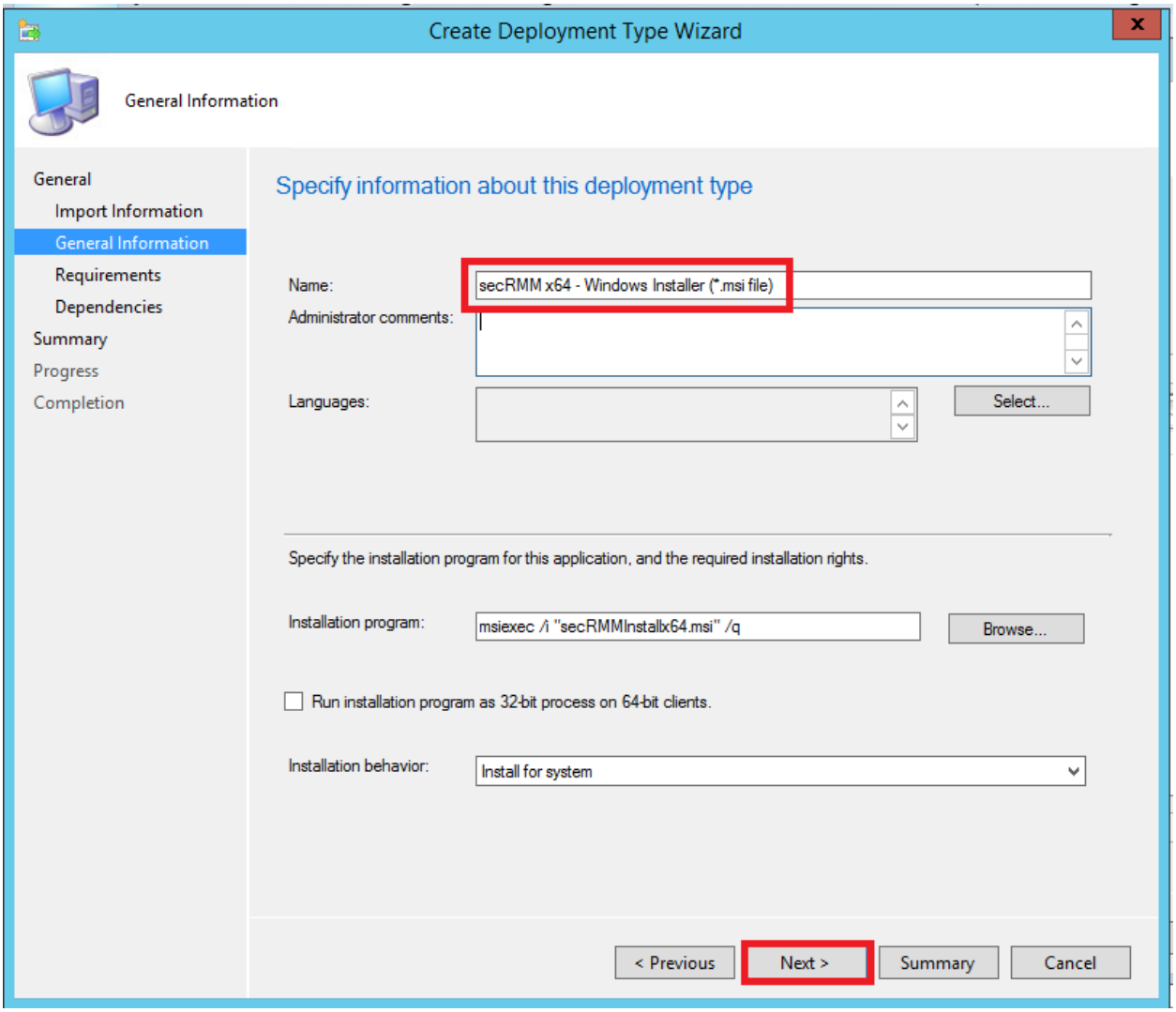
The wizard will import the information from the secRMMInstallx64.msi. Click the “Next” button.



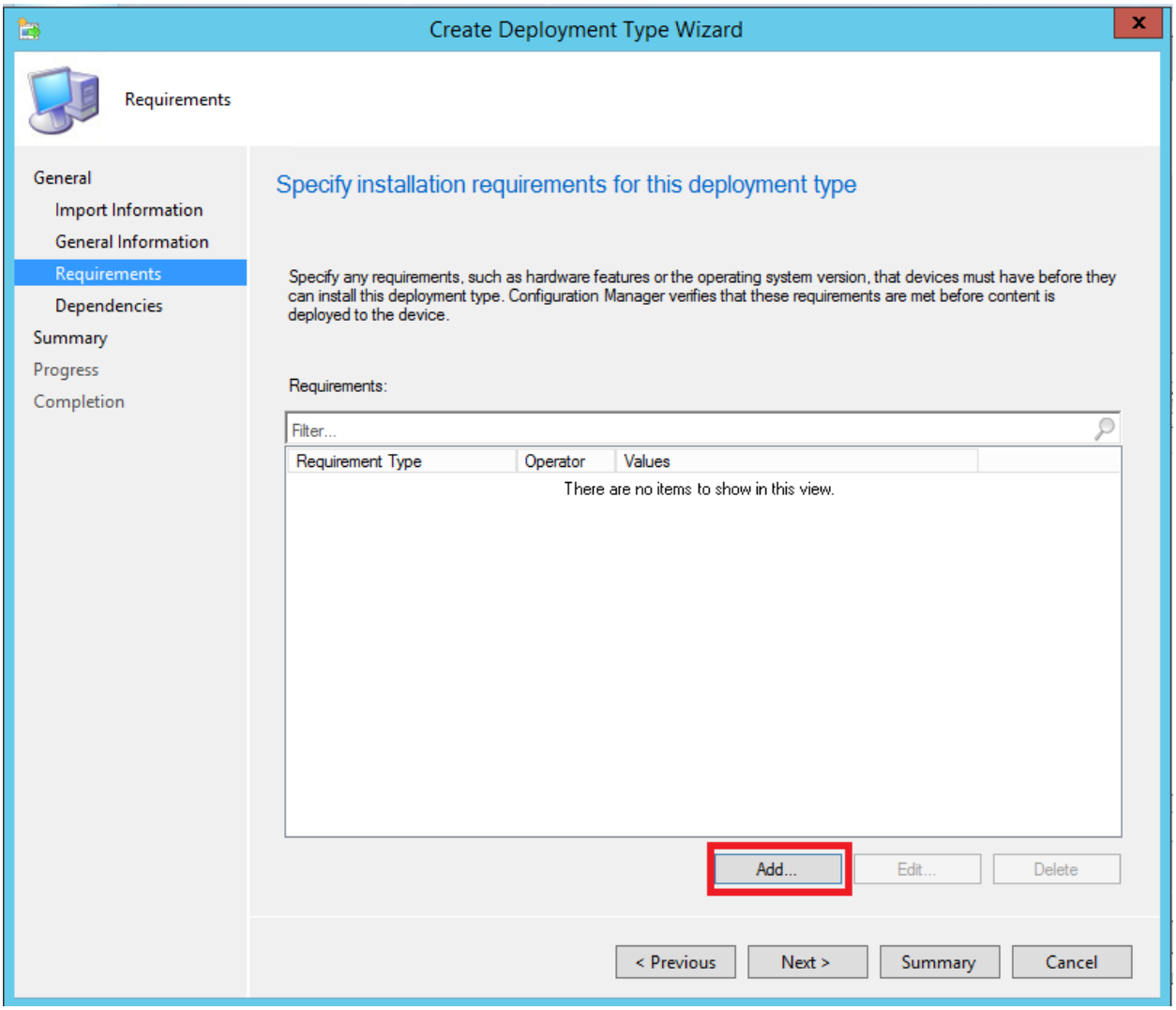
Change the Name by adding x64 after the word secRMM.

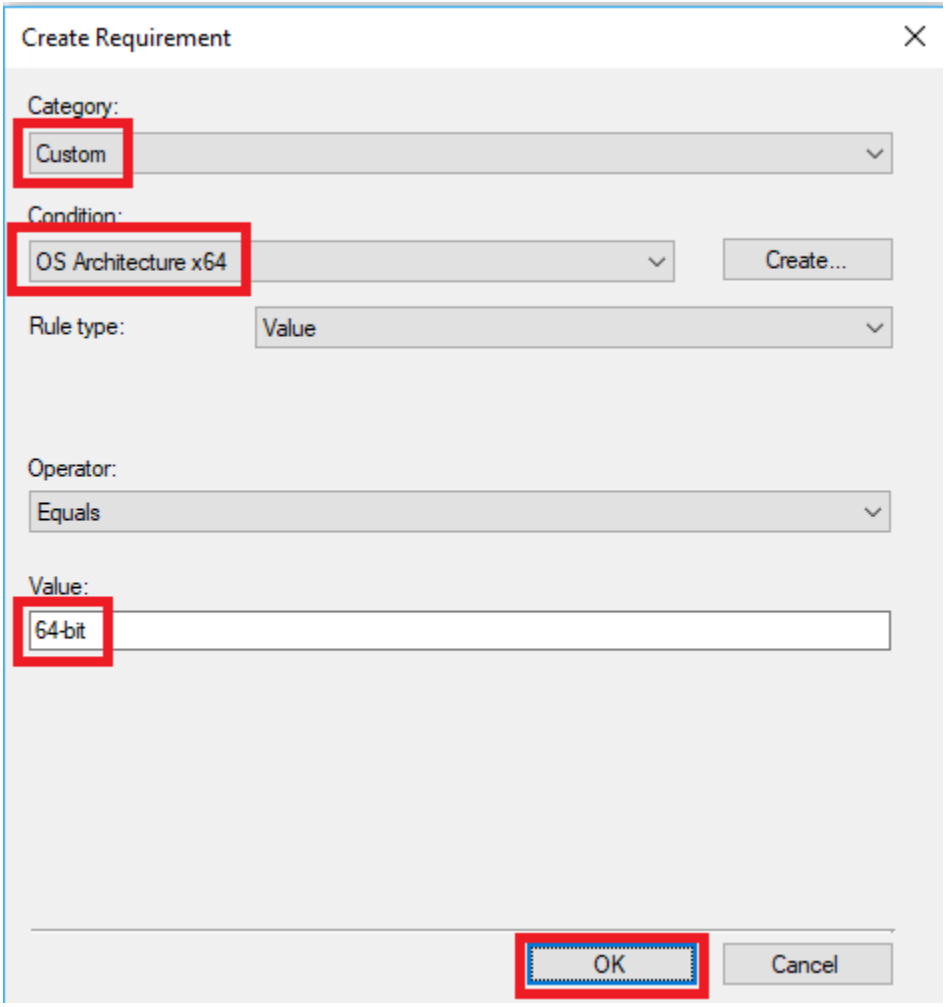
Note that you can also change the “Installation program” (i.e. the command that will be executed on the endpoint computers). Many customers desire suppressing a reboot when upgrading secRMM. To do this, you would change the “Installation program” to:
msiexec /i "secRMMInstallx64.msi" /q REBOOT=ReallySuppress /norestart

Click the “Next” button.

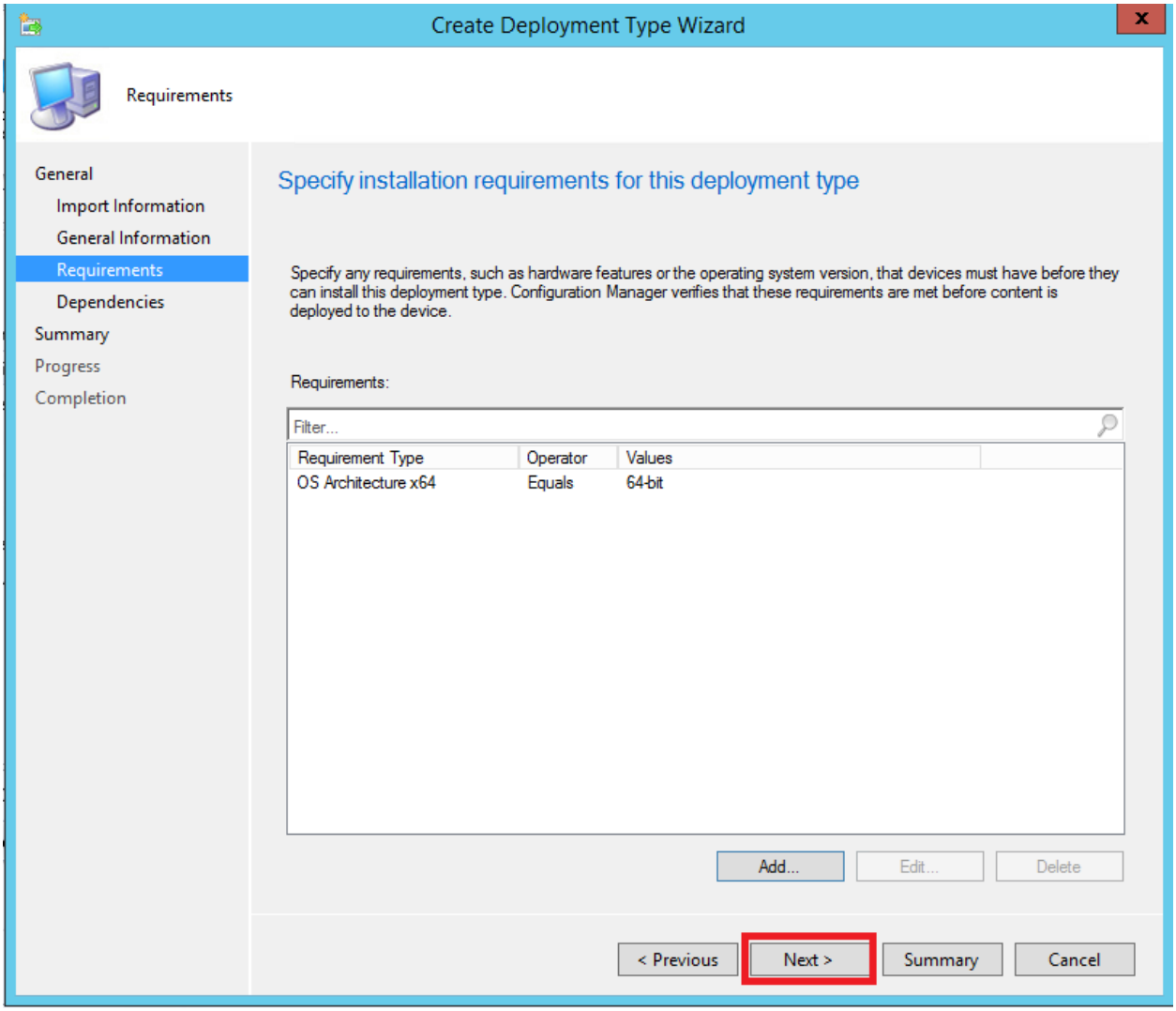


On the “Requirements” page, we will associate the SCCM “Global Condition” named “OS Architecture x64” that we created earlier. This step ensures that SCCM installs the secRMM x64 program only on computers running 64-bit Windows.

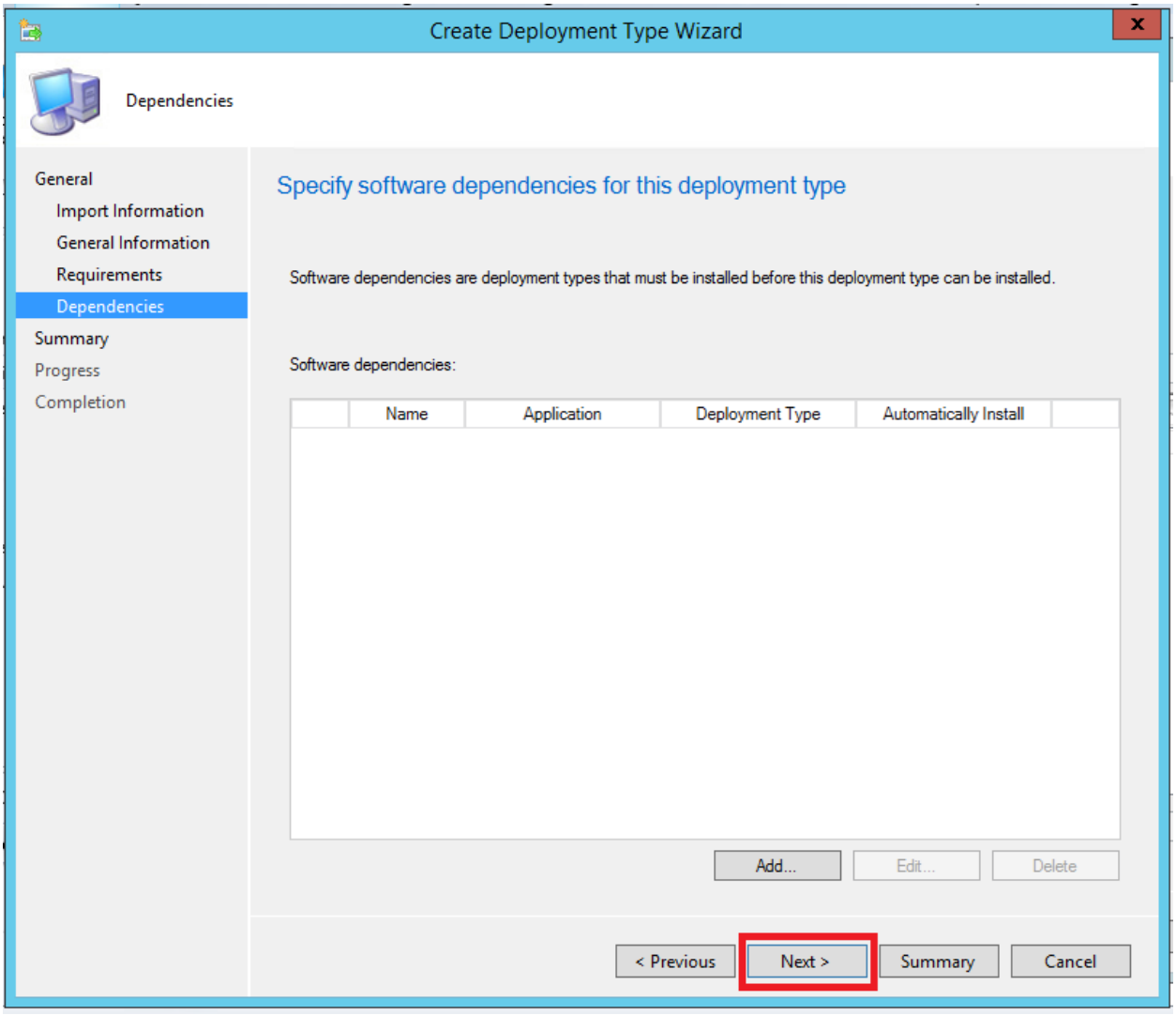

Create Deployment Type Wizard
Requirements
General
Import Information
General Information
Requirements
Dependencies
Summary
Progress
Completion
Specify installation requirements for this deployment type
Specify any requirements, such as hardware features or the operating system version, that devices 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



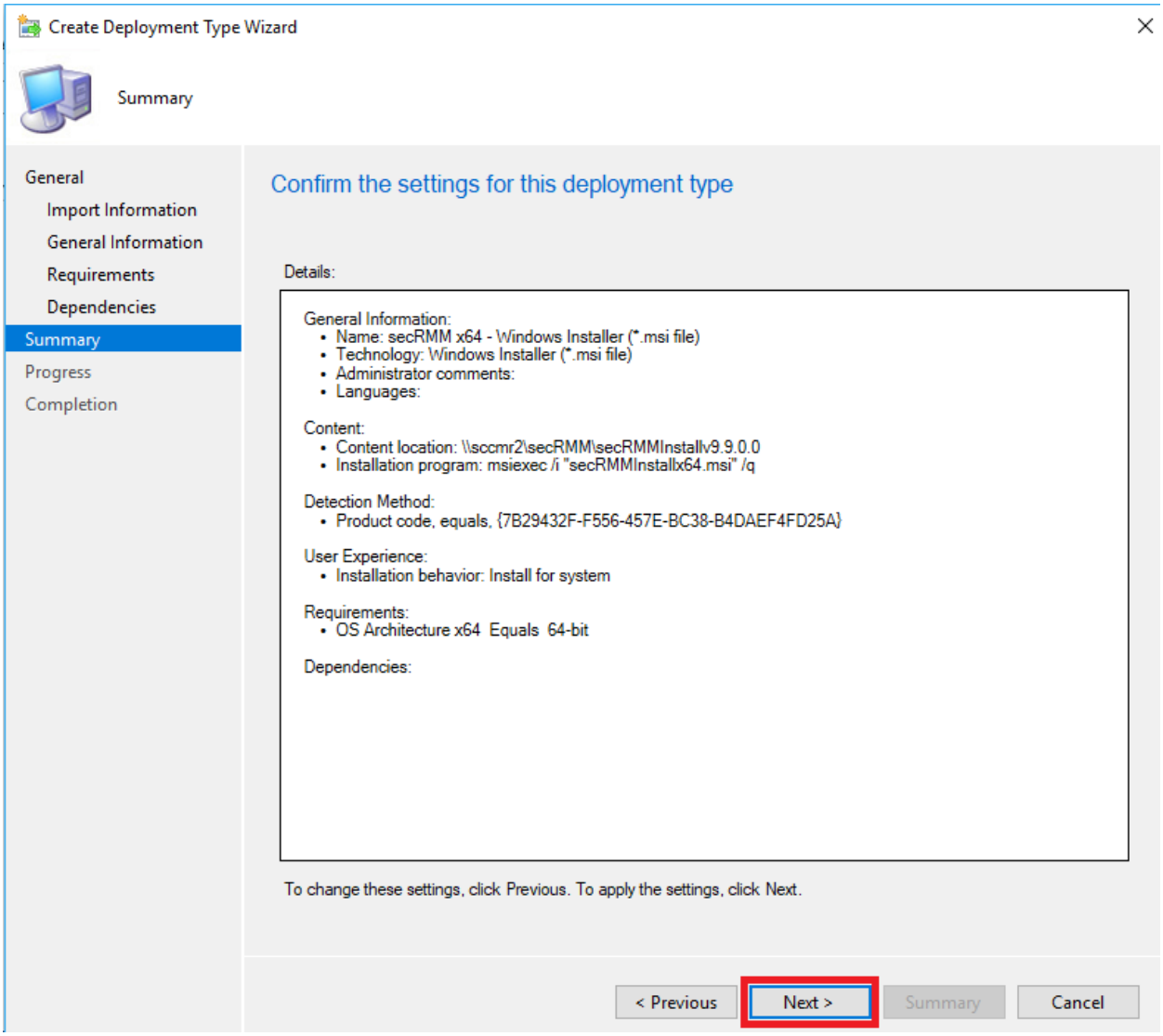
The value is **`64-bit`**



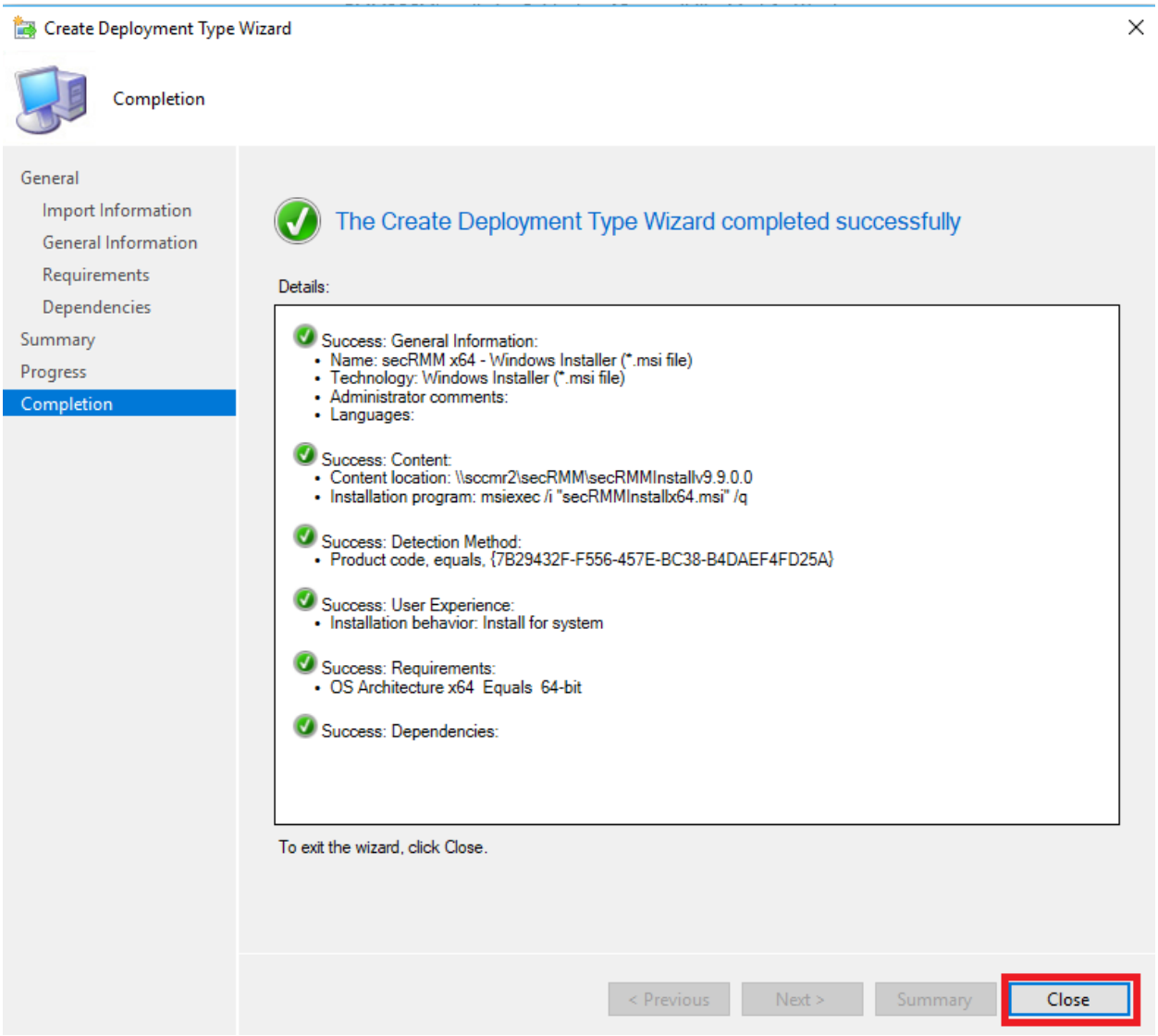
There are no required dependencies, so click the “Next” button.



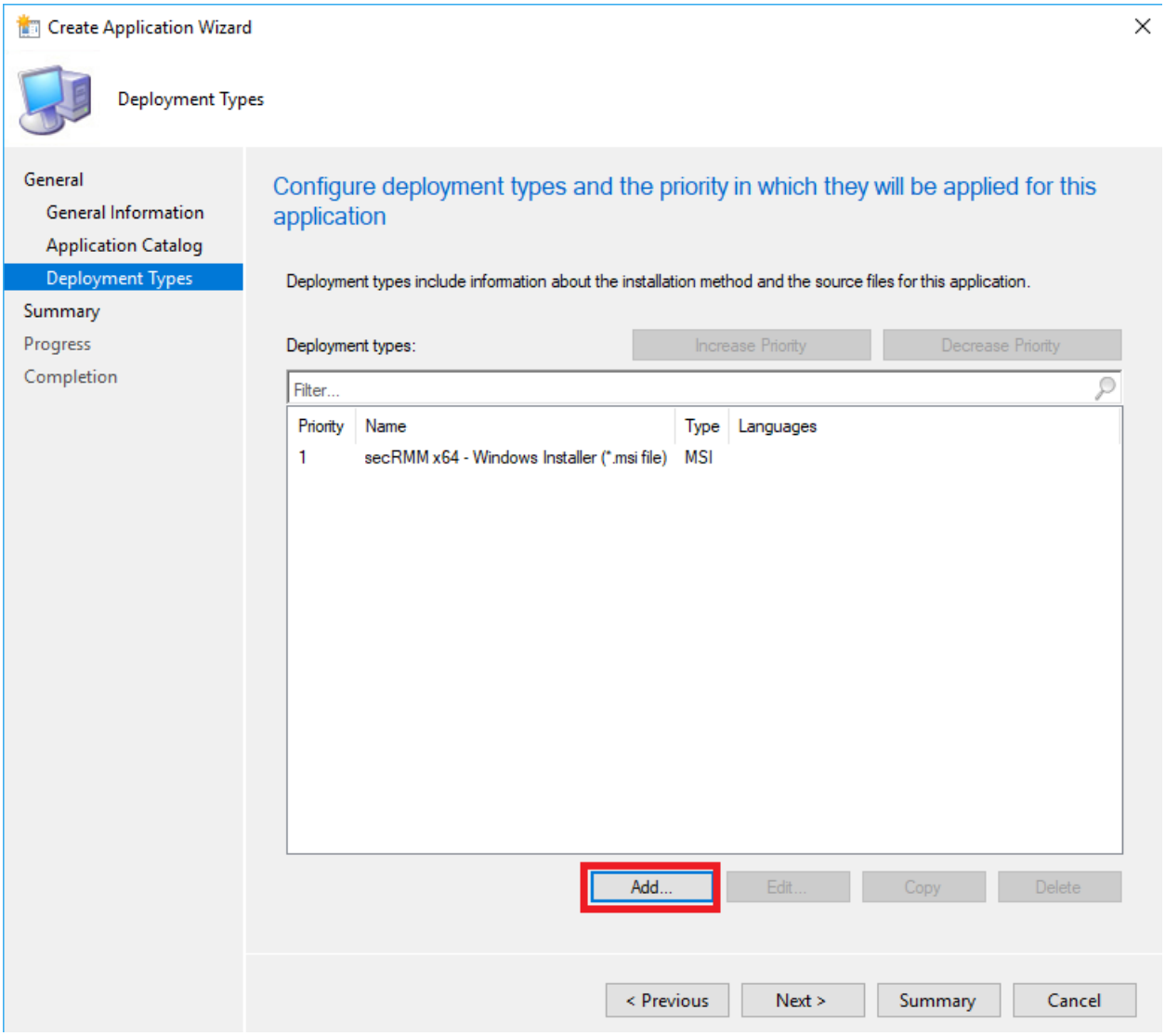
Click the “Next” button on the “Summary” page.

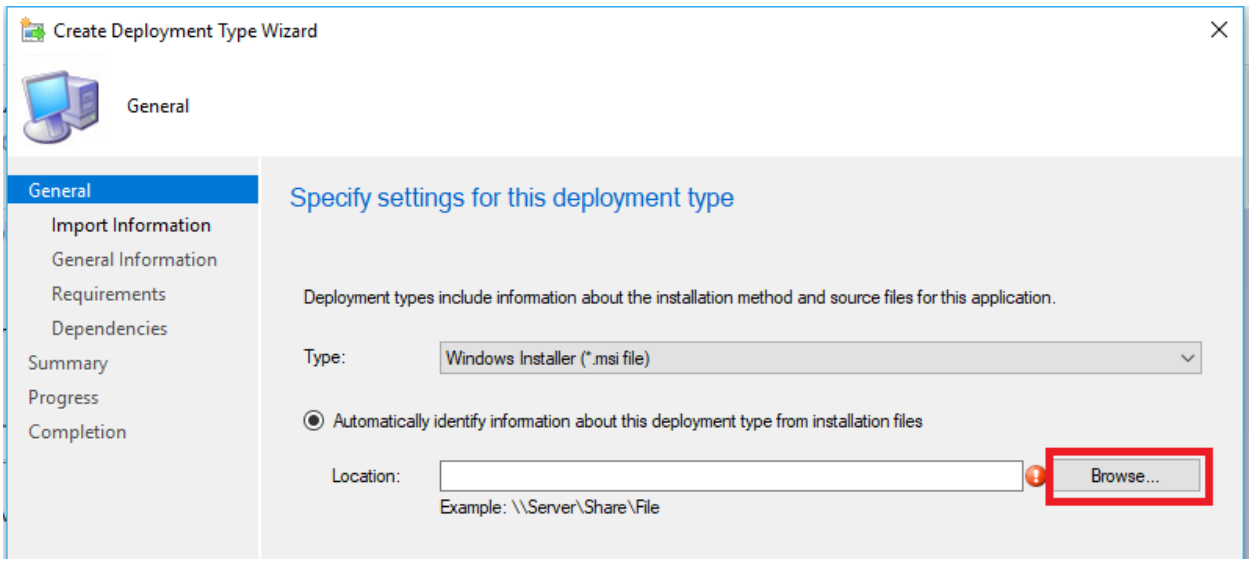


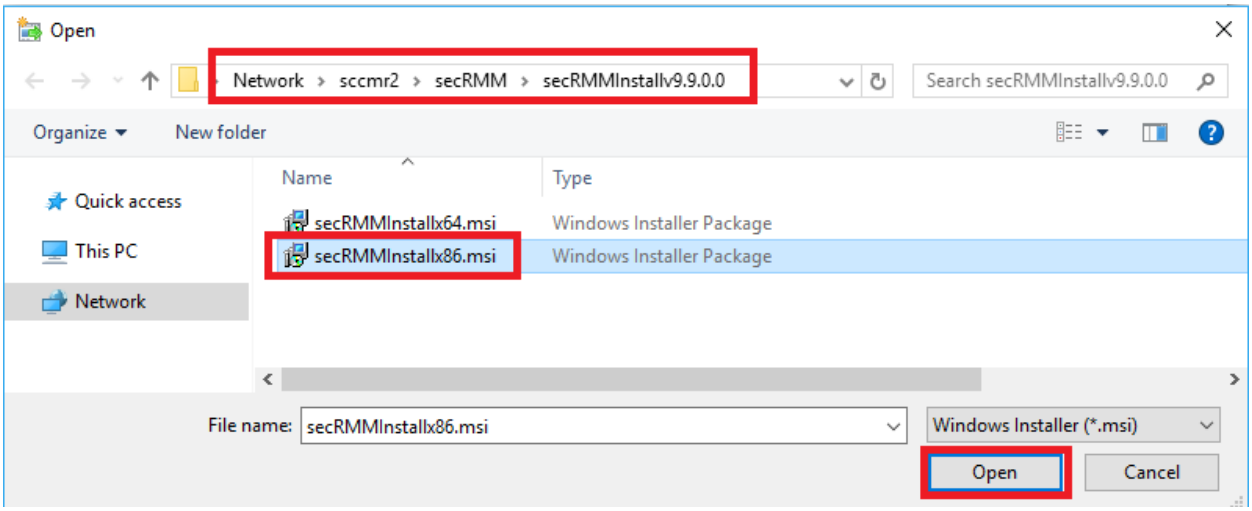
Click the “Close” button on the “Completion” page.

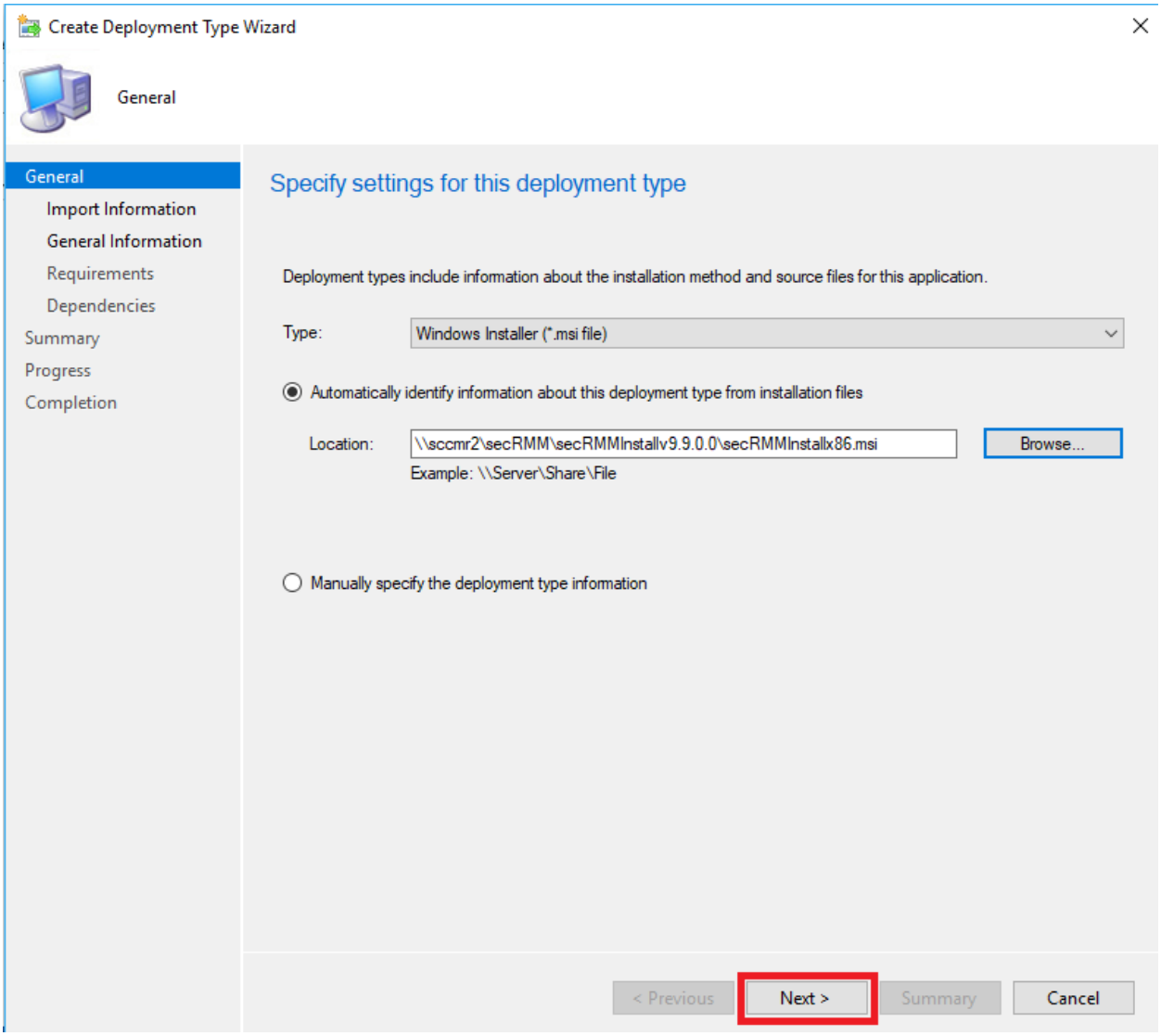


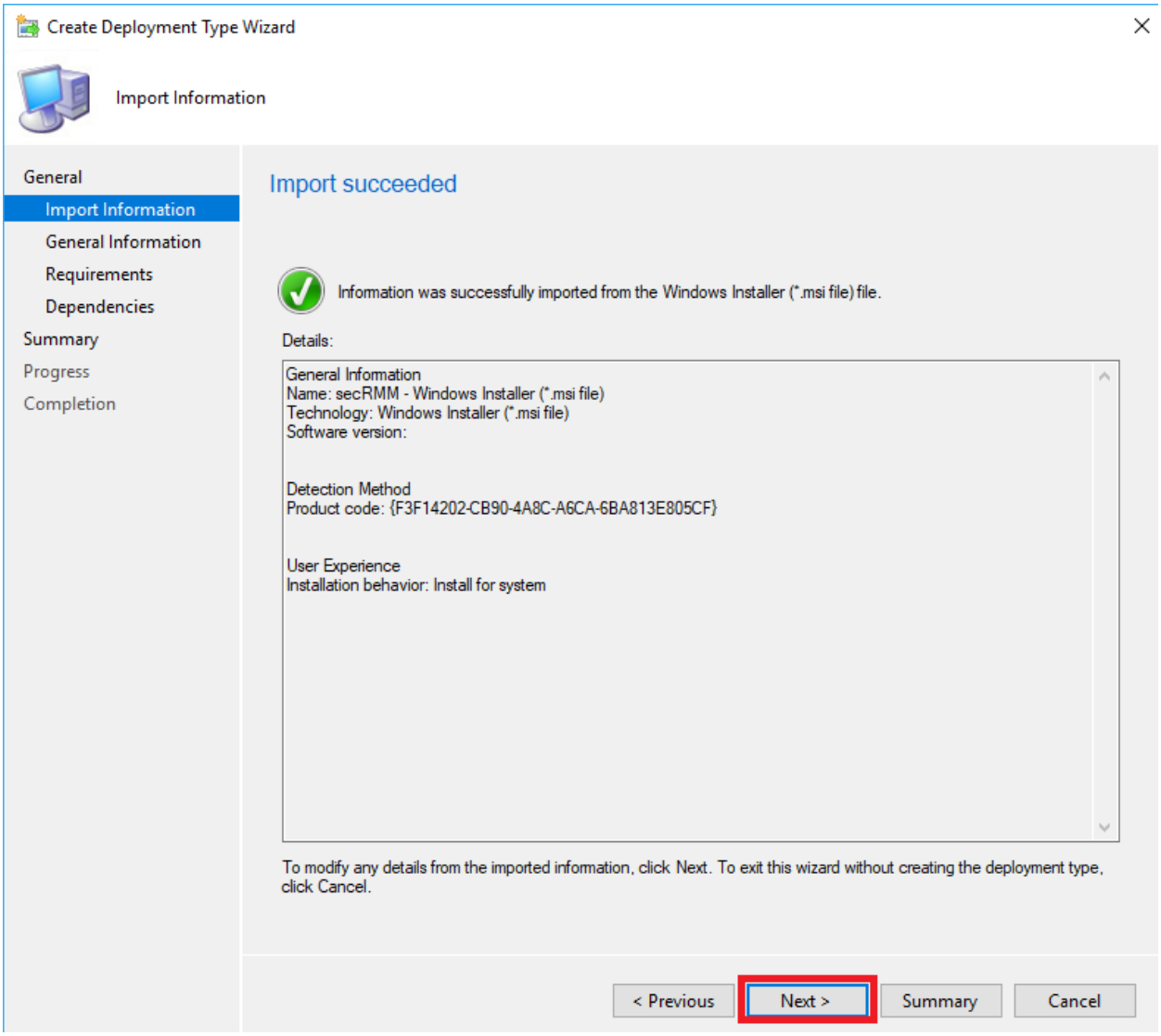
We are now back on the “Deployment Types” page. We will click the “Add” button again to add the 32-bit msi file (secRMMInstallx86.msi). If you do not have any 32-bit computers in your environment, you can skip this section.


Create Application Wizard
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
secRMM x64 - Windows Installer (*.msi file)
MSI
Add...
Edit...
Copy
Delete
< Previous
Next >
Summary
Cancel

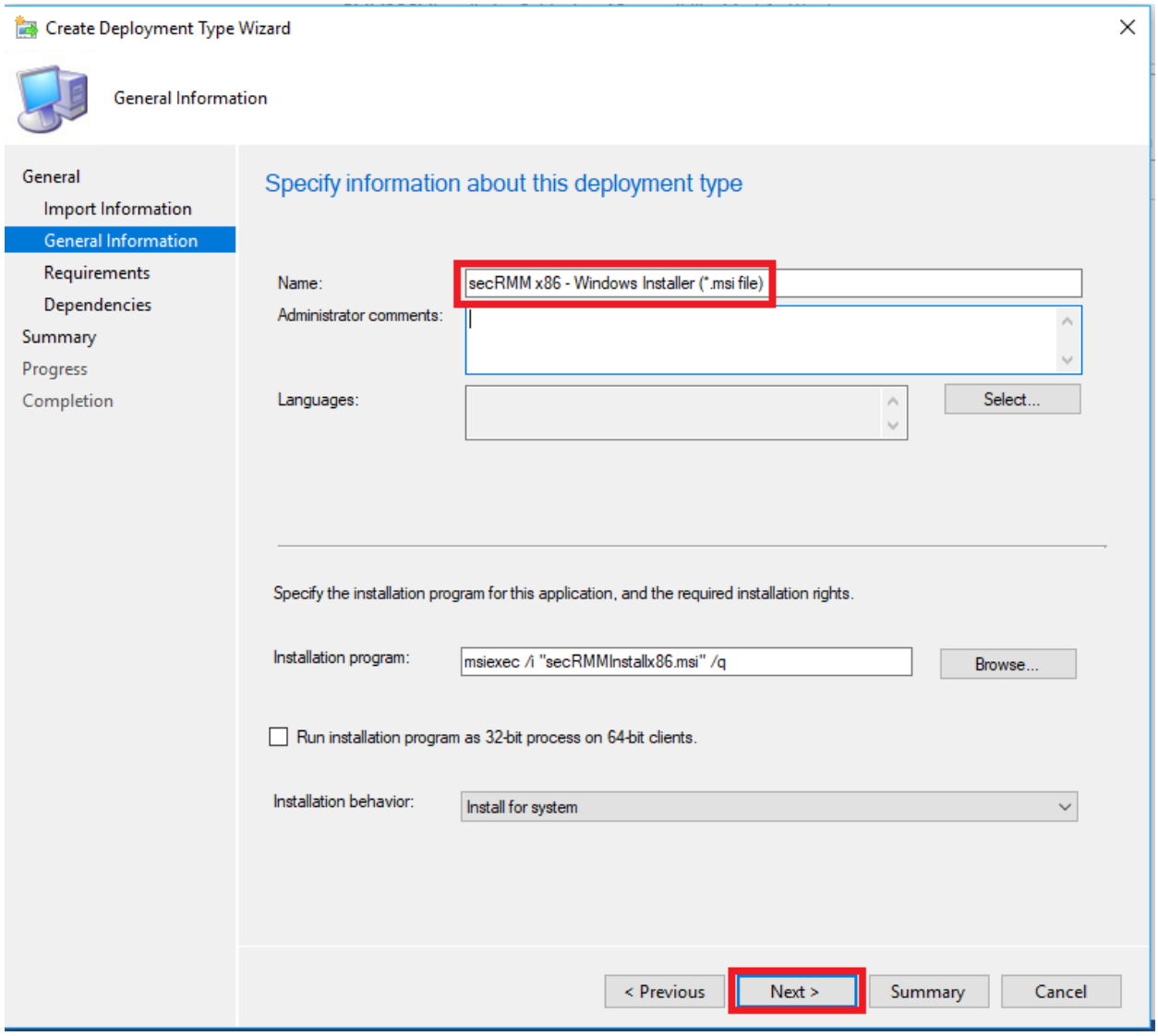

Create Deployment Type Wizard
General
General
Import Information
General Information
Requirements
Dependencies
Summary
Progress
Completion
Specify settings for this deployment type
Deployment types include information about the installation method and source files for this application.
Type:
Windows Installer (*.msi file)
Automatically identify information about this deployment type from installation files
Location:
Browse...
Example: \\Server\Share\File

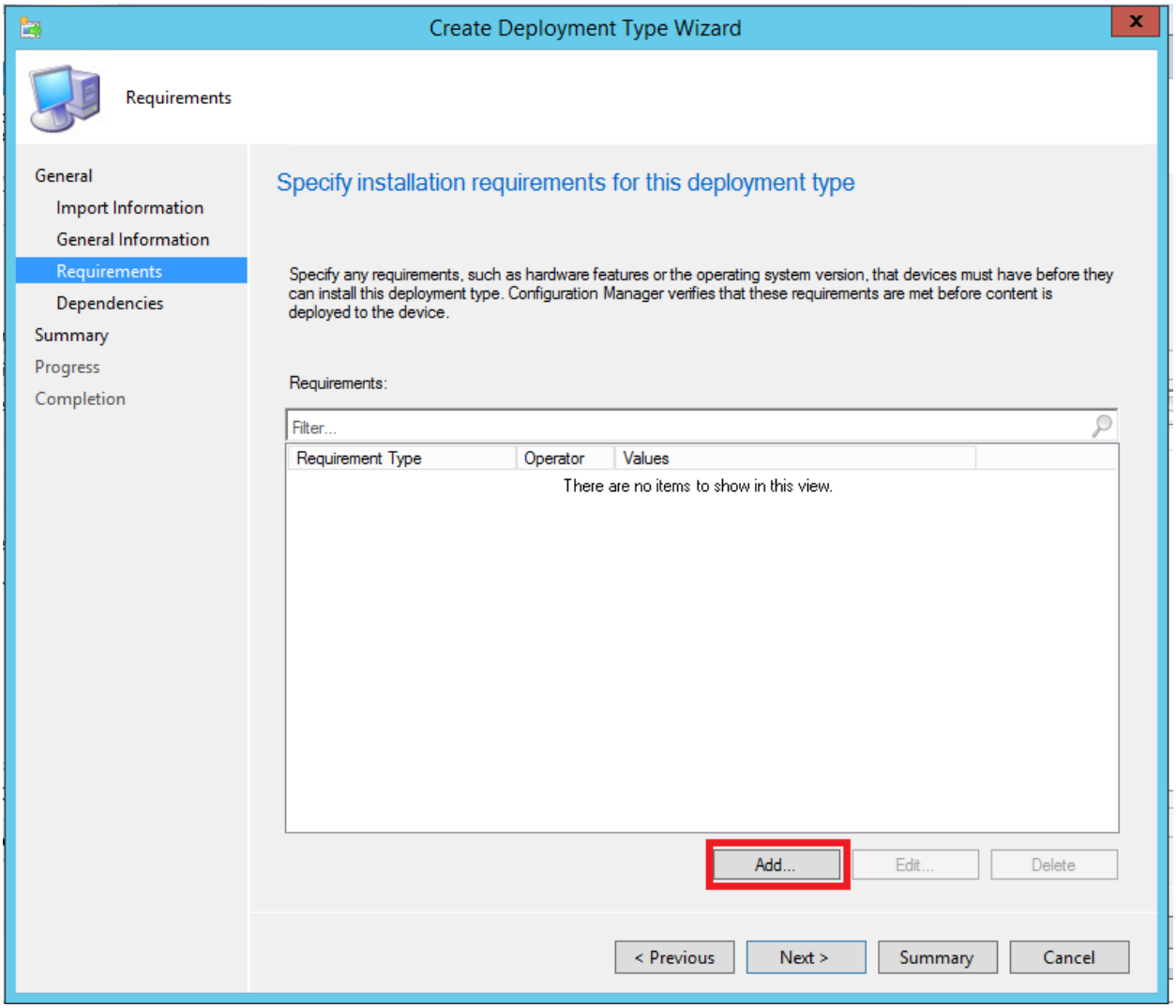

Open
Network › sccmr2 › secRMM › secRMMInstallv9.9.0.0
Search secRMMInstallv9.9.0.0
Organize
New folder
Quick access
This PC
Network
Name
Type
secRMMInstallx64.msi
Windows Installer Package
secRMMInstallx86.msi
Windows Installer Package
File name:
secRMMInstallx86.msi
Windows Installer (*.msi)
Open
Cancel

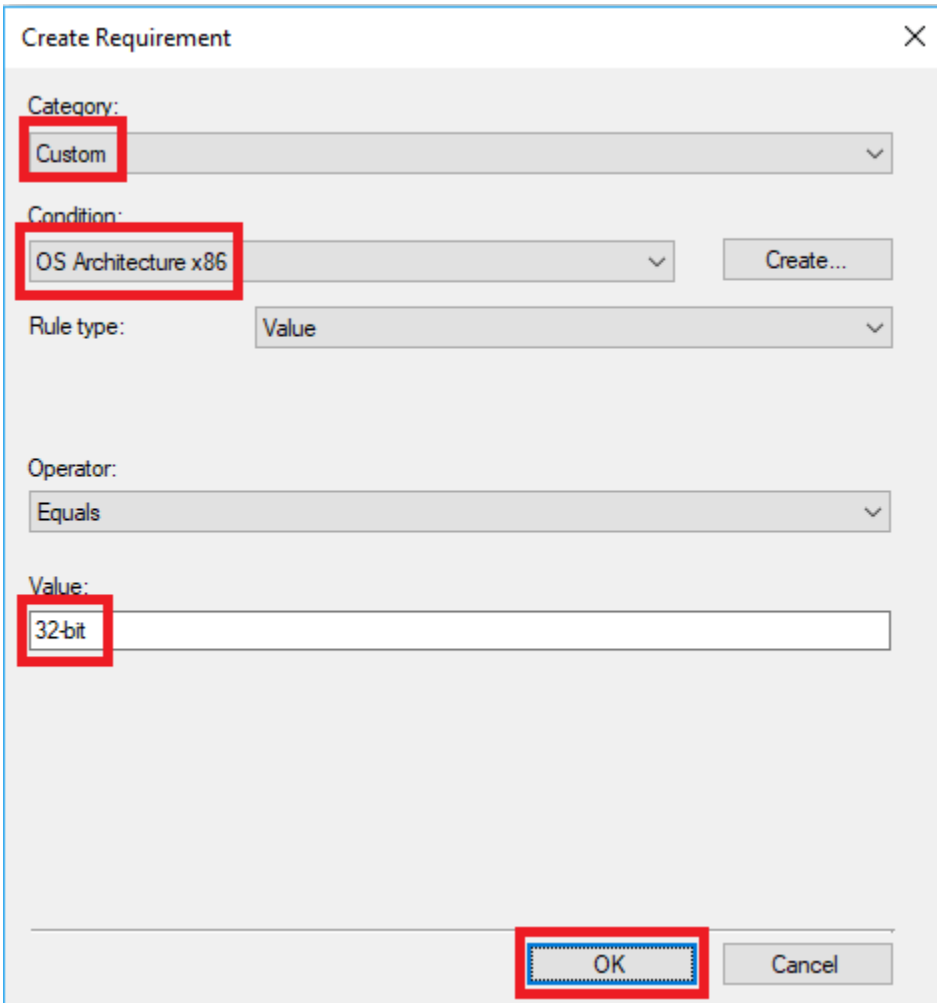

Create Deployment Type Wizard
General
General
Import Information
General Information
Requirements
Dependencies
Summary
Progress
Completion
Specify settings for this deployment type
Deployment types include information about the installation method and source files for this application.
Type:
Windows Installer (*.msi file)
Automatically identify information about this deployment type from installation files
Location:
\\sccmr2\secRMM\secRMMInstallv9.9.0.0\secRMMInstallx86.msi
Browse...
Example: \\Server\Share\File
Manually specify the deployment type information
< Previous
Next >
Summary
Cancel



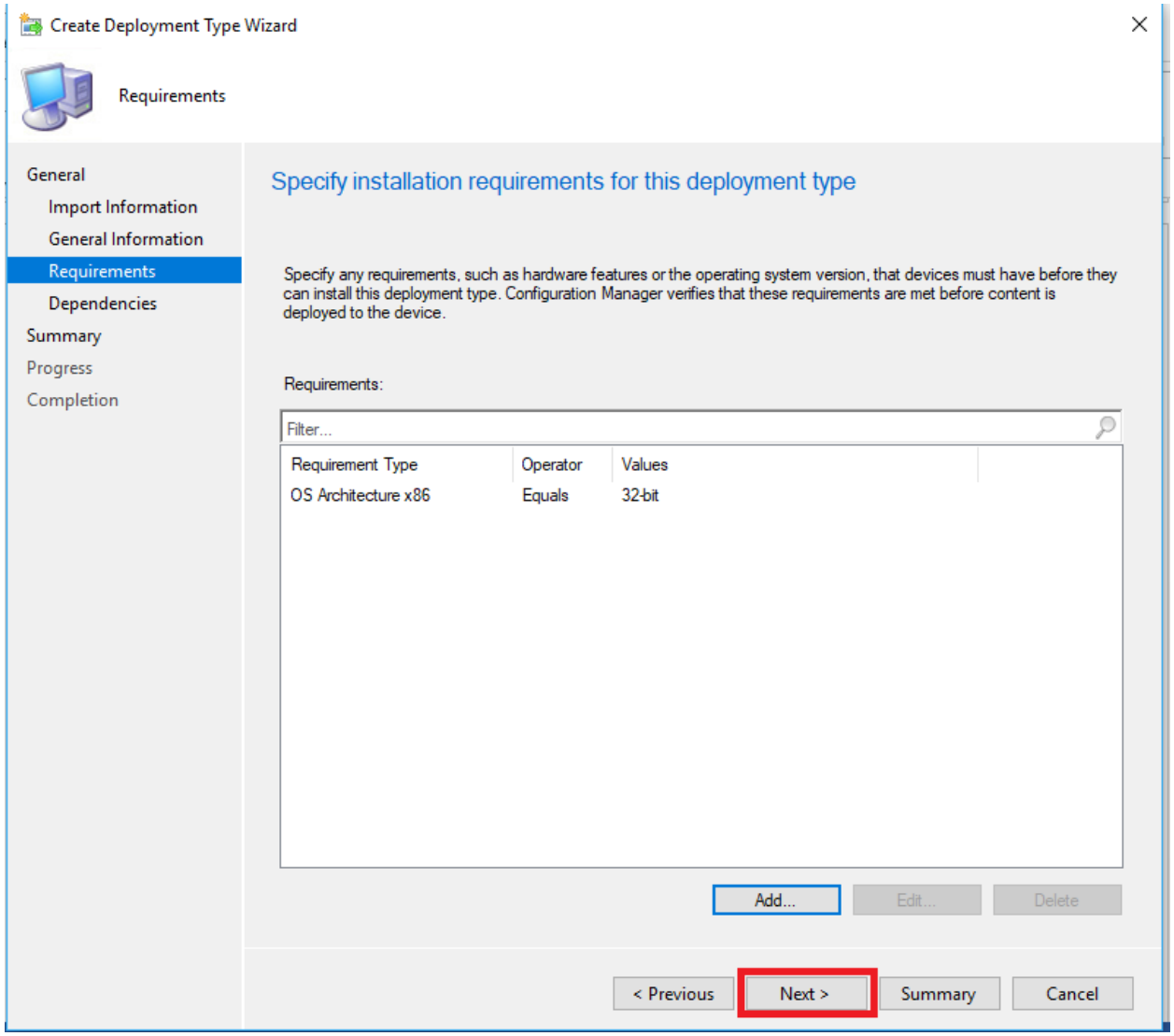
Change the Name by adding x86 after the word secRMM. Click the “Next” button.

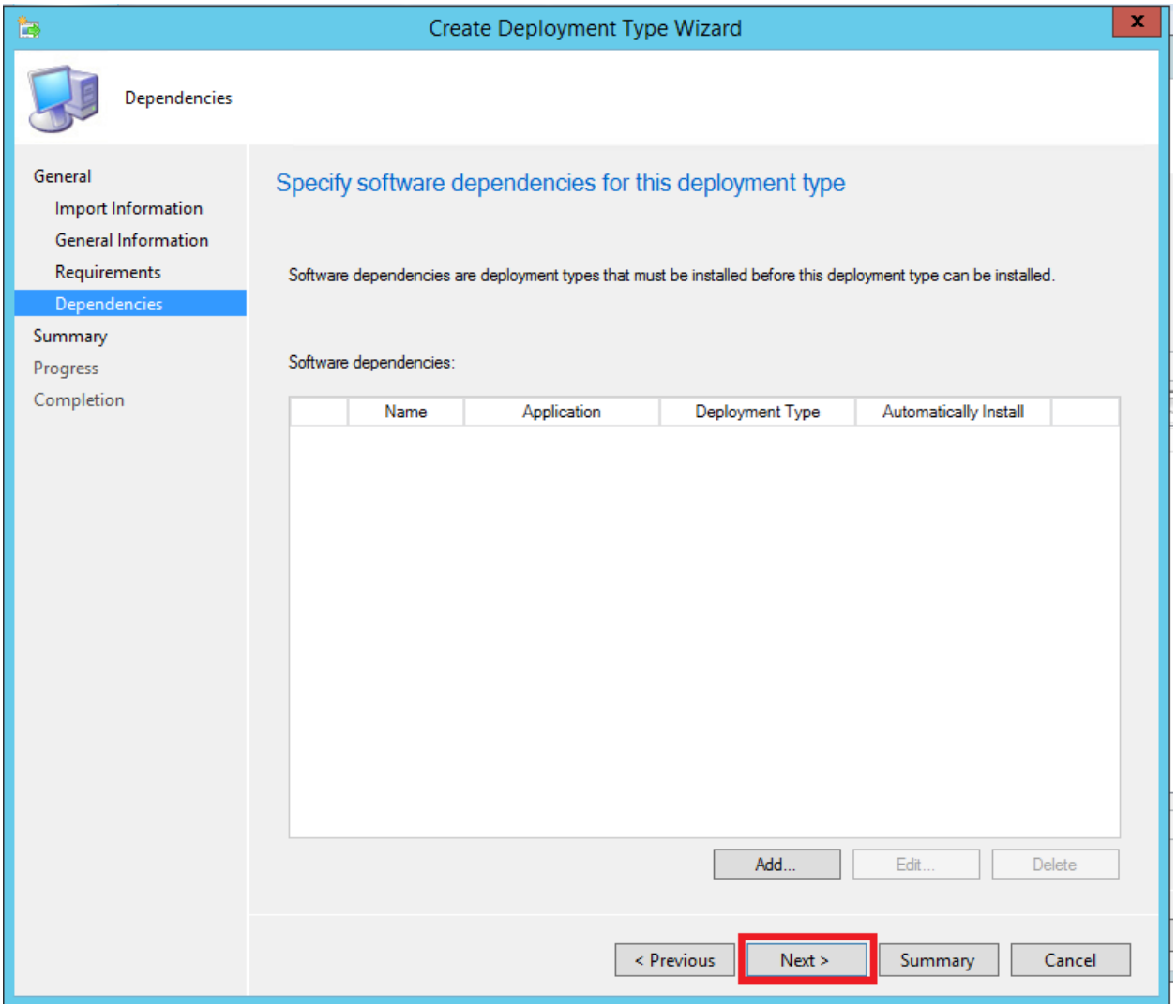

Create Deployment Type Wizard
General Information
General
Import Information
General Information
Requirements
Dependencies
Summary
Progress
Completion
Specify information about this deployment type
Name:
secRMM x86 - Windows Installer (*.msi file)
Administrator comments:
Languages:
Select...
Specify the installation program for this application, and the required installation rights.
Installation program:
msiexec /i "secRMMInstallx86.msi" /q
Browse...
Run installation program as 32-bit process on 64-bit clients.
Installation behavior:
Install for system
< Previous
Next >
Summary
Cancel

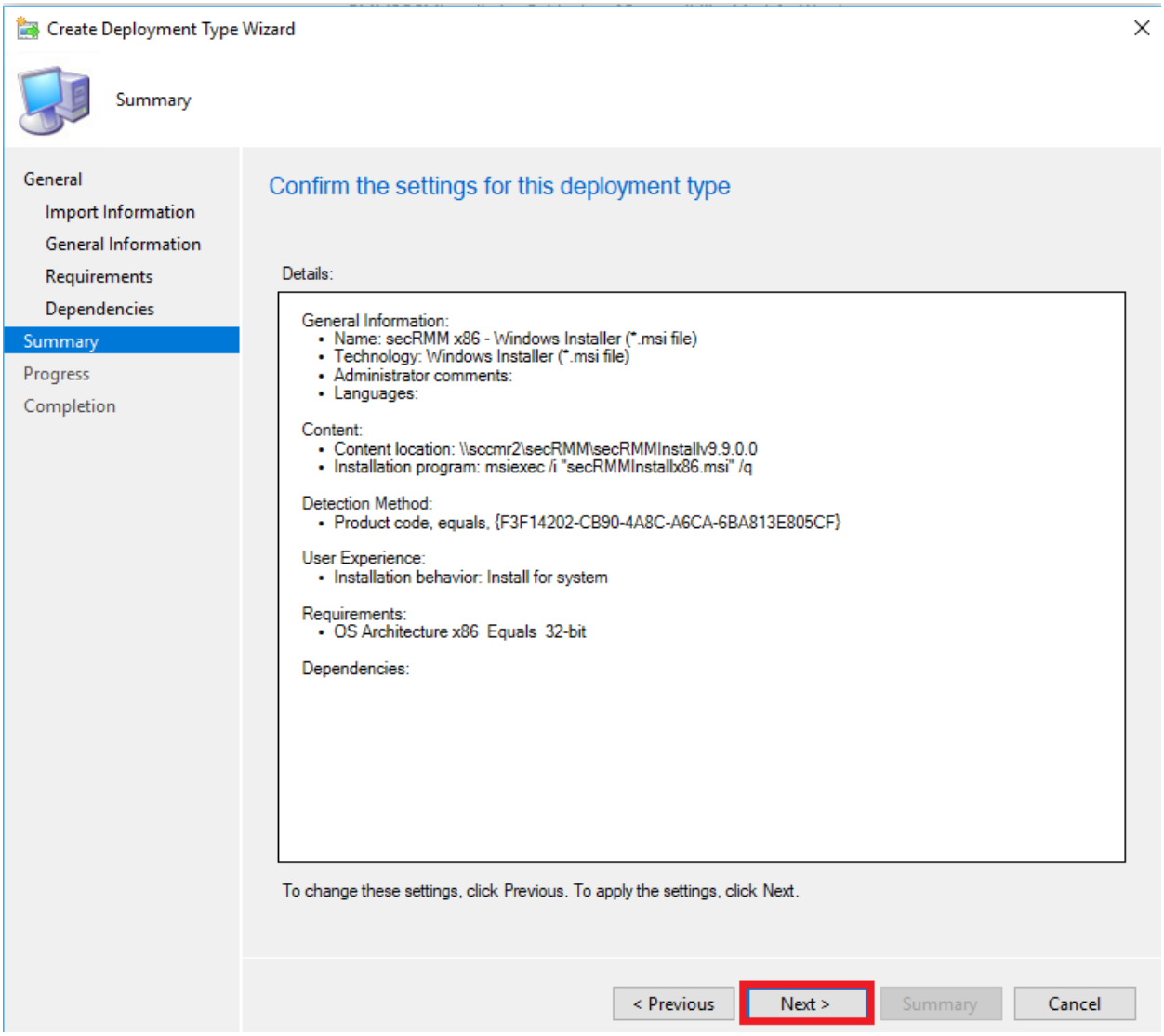

Create Deployment Type Wizard
Requirements
General
Import Information
General Information
Requirements
Dependencies
Summary
Progress
Completion
Specify installation requirements for this deployment type
Specify any requirements, such as hardware features or the operating system version, that devices 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

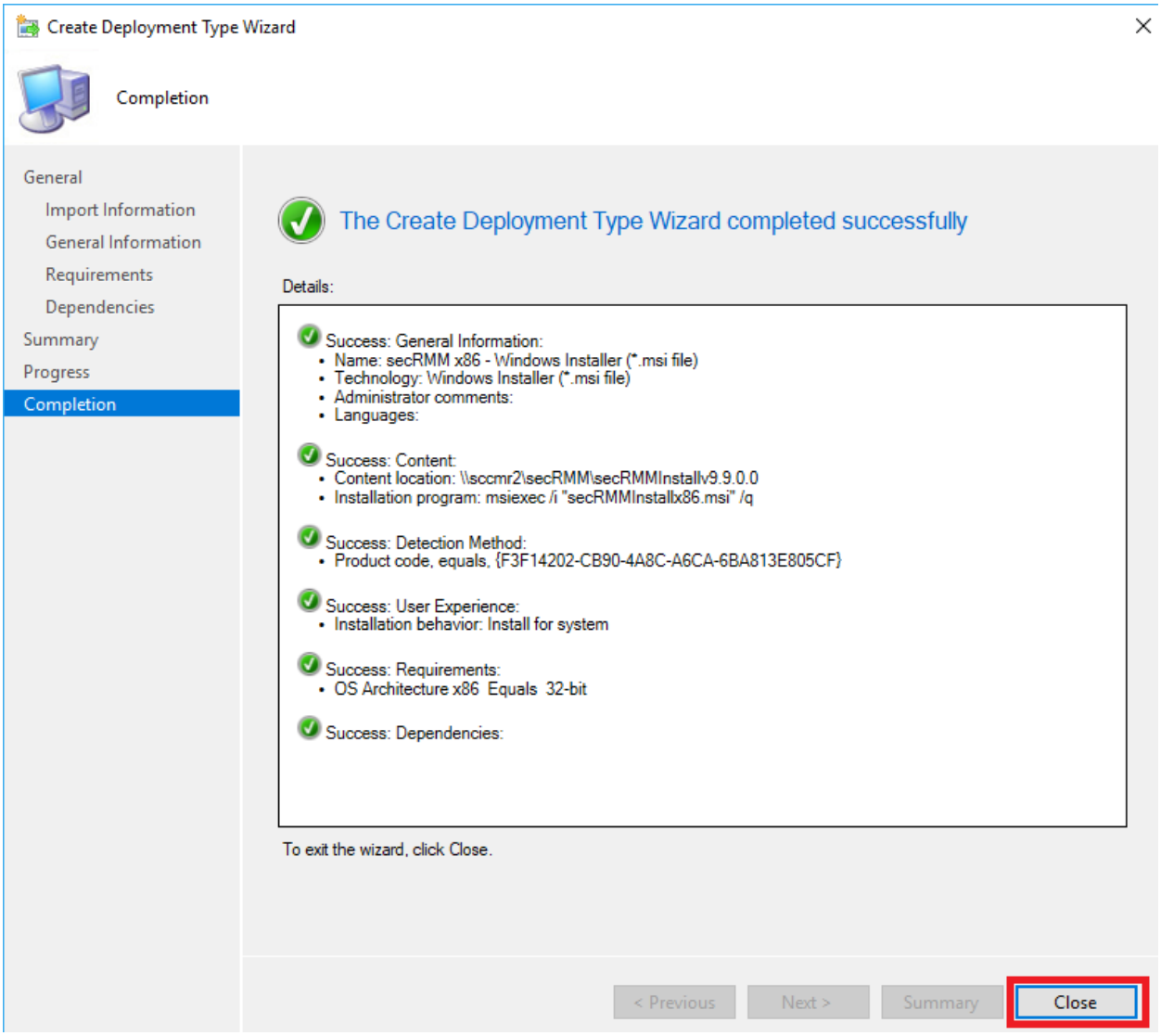


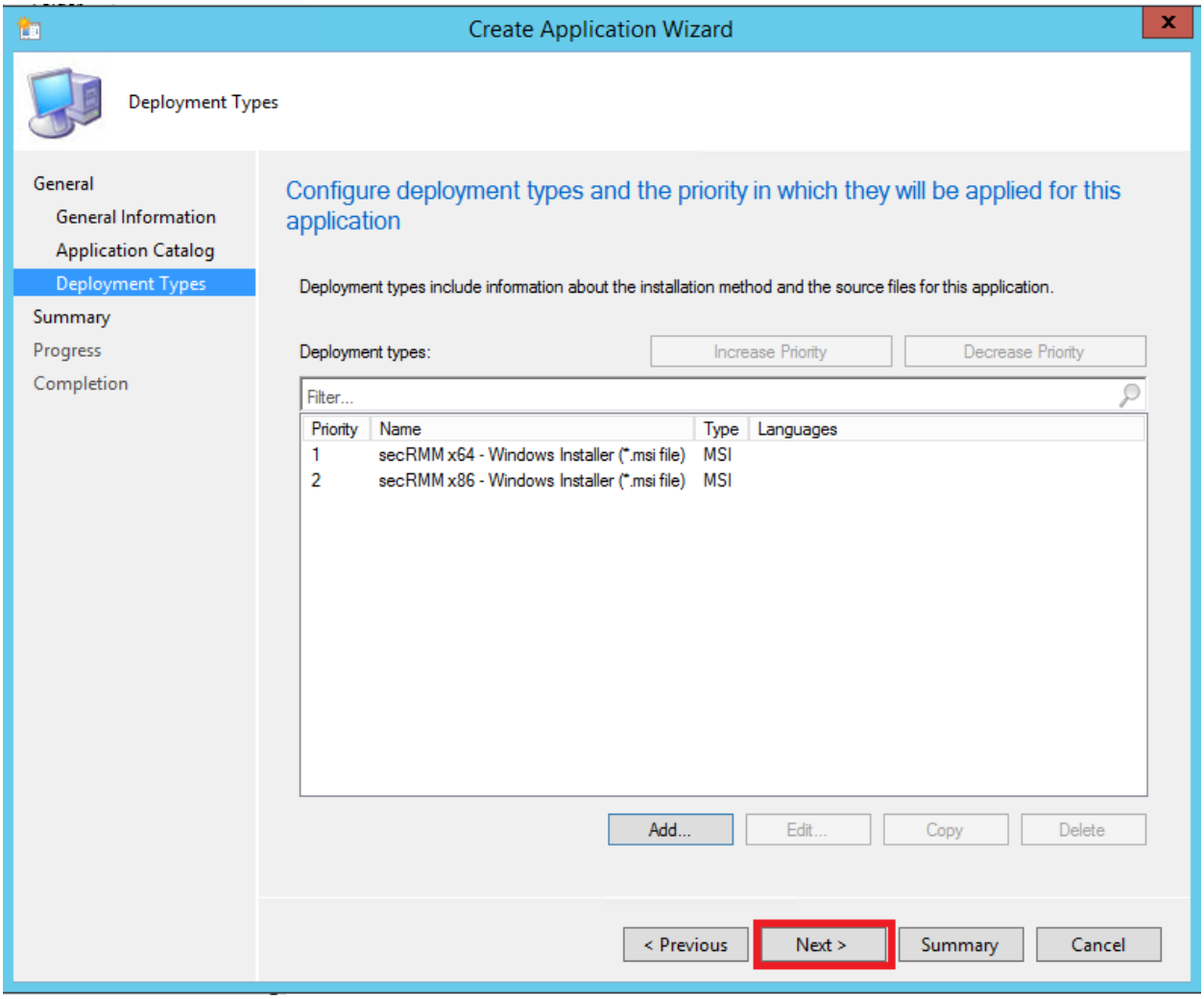
The value is **`32-bit`**

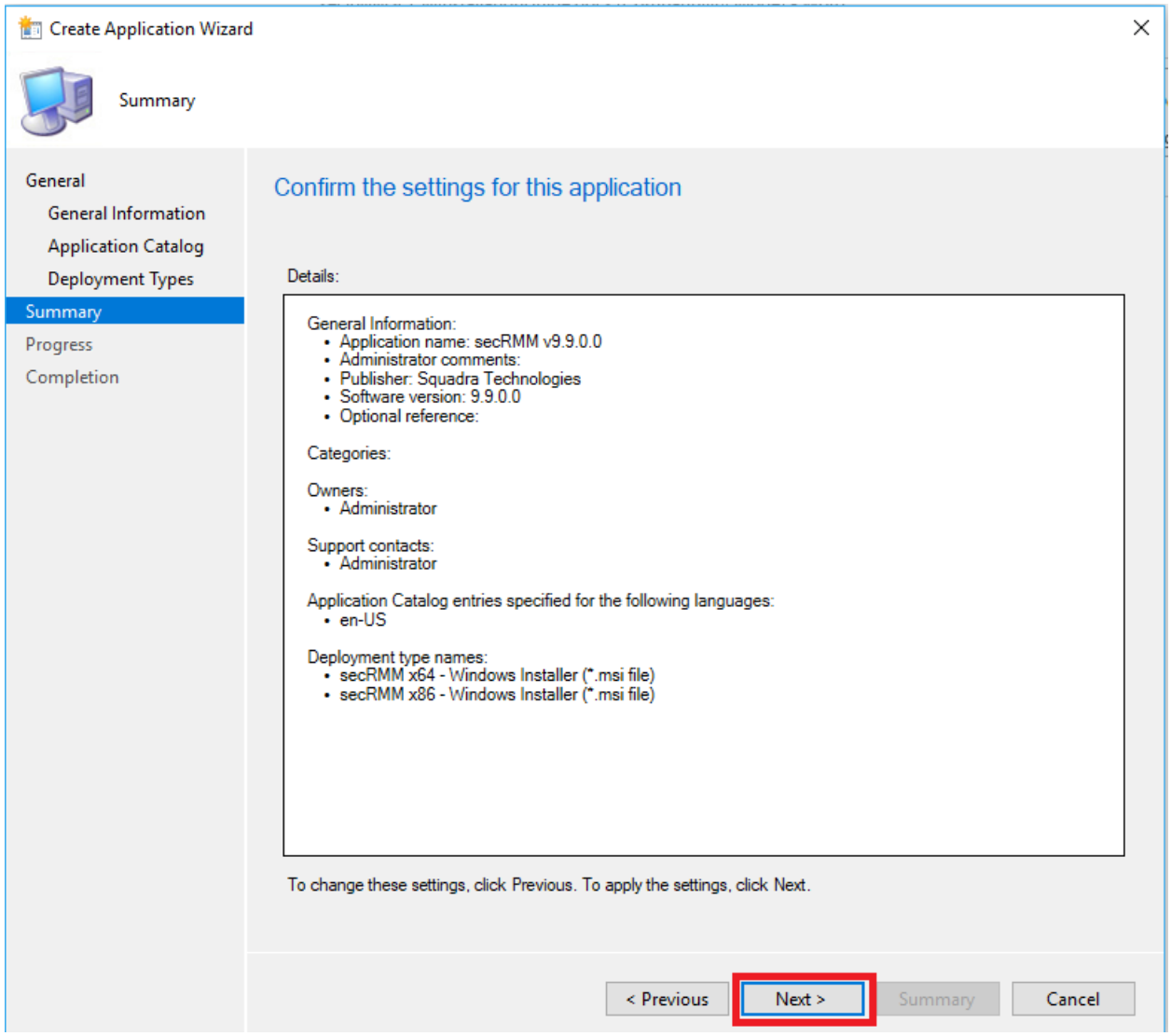

Create Deployment Type Wizard
Requirements
General
Import Information
General Information
Requirements
Dependencies
Summary
Progress
Completion
Specify installation requirements for this deployment type
Specify any requirements, such as hardware features or the operating system version, that devices 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
OS Architecture x86
Equals
32-bit
Add...
Edit...
Delete
< Previous
Next >
Summary
Cancel

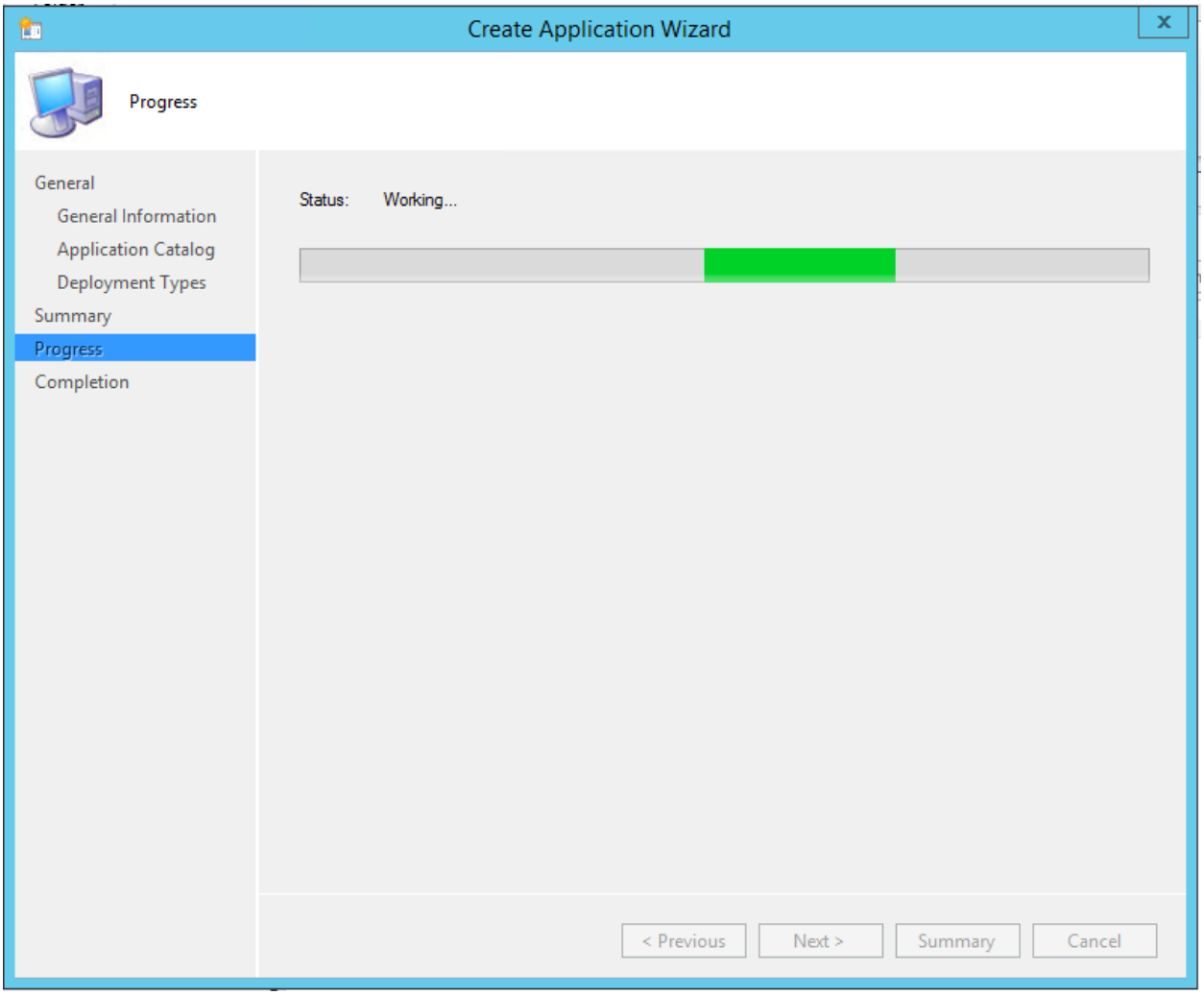

Create Deployment Type Wizard
Dependencies
General
Import Information
General Information
Requirements
Dependencies
Summary
Progress
Completion
Specify software dependencies for this deployment type
Software dependencies are deployment types that must be installed before this deployment type can be installed.
Software dependencies:
Name
Application
Deployment Type
Automatically Install
Add...
Edit...
Delete
< Previous
Next >
Summary
Cancel

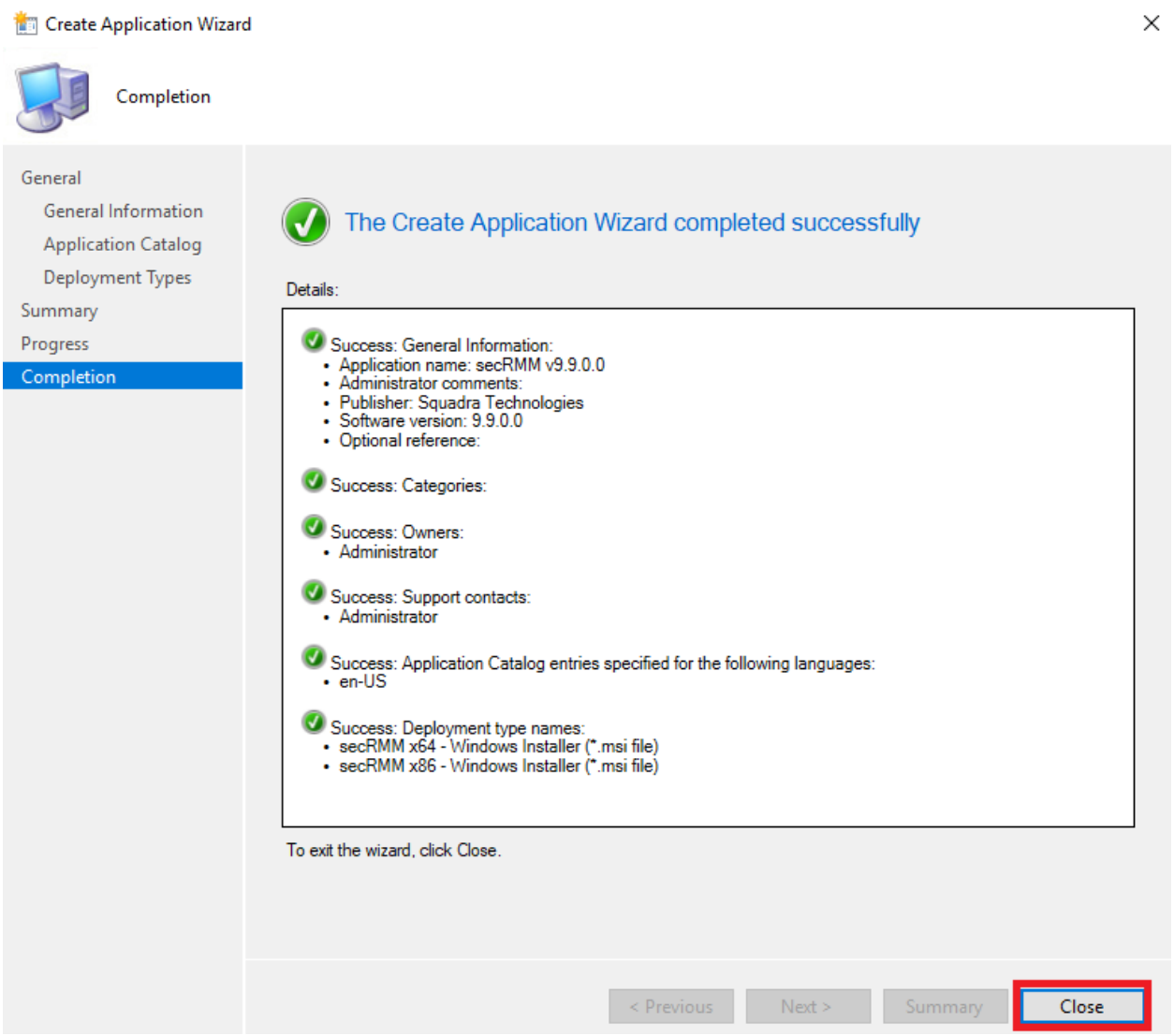

Create Deployment Type Wizard
Summary
General
Import Information
General Information
Requirements
Dependencies
Summary
Progress
Completion
Confirm the settings for this deployment type
Details:
General Information:
• Name: secRMM x86 - Windows Installer (*.msi file)
• Technology: Windows Installer (*.msi file)
• Administrator comments:
• Languages:
Content:
• Content location: \\sccmr2\secRMM\secRMMInstallv9.9.0.0
• Installation program: msiexec /i "secRMMInstallx86.msi" /q
Detection Method:
• Product code, equals, {F3F14202-CB90-4A8C-A6CA-6BA813E805CF}
User Experience:
• Installation behavior: Install for system
Requirements:
• OS Architecture x86 Equals 32-bit
Dependencies:
To change these settings, click Previous. To apply the settings, click Next.
< Previous
Next >
Summary
Cancel

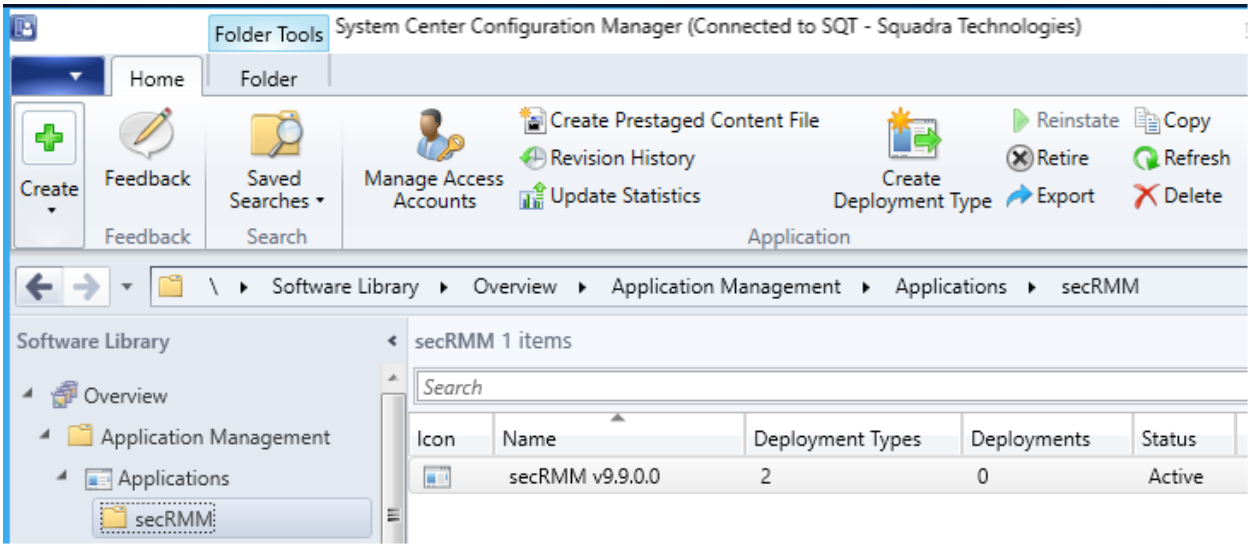

Create Deployment Type Wizard
Completion
General
Import Information
General Information
Requirements
Dependencies
Summary
Progress
Completion
The Create Deployment Type Wizard completed successfully
Details:
Success: General Information:
Name: secRMM x86 - Windows Installer (*.msi file)
Technology: Windows Installer (*.msi file)
Administrator comments:
Languages:
Success: Content:
Content location: \\sccmr2\secRMM\secRMMInstallv9.9.0.0
Installation program: msiexec /i "secRMMInstallx86.msi" /q
Success: Detection Method:
Product code, equals, {F3F14202-CB90-4A8C-A6CA-6BA813E805CF}
Success: User Experience:
Installation behavior: Install for system
Success: Requirements:
OS Architecture x86 Equals 32-bit
Success: Dependencies:
To exit the wizard, click Close.
< Previous
Next >
Summary
Close


Create Application Wizard
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
secRMM x64 - Windows Installer (*.msi file)
MSI
2
secRMM x86 - Windows Installer (*.msi file)
MSI
Add...
Edit...
Copy
Delete
< Previous
Next >
Summary
Cancel


Create Application Wizard
Summary
General
General Information
Application Catalog
Deployment Types
Summary
Progress
Completion
Confirm the settings for this application
Details:
General Information:
Application name: secRMM v9.9.0.0
Administrator comments:
Publisher: Squadra Technologies
Software version: 9.9.0.0
Optional reference:
Categories:
Owners:
Administrator
Support contacts:
Administrator
Application Catalog entries specified for the following languages:
en-US
Deployment type names:
secRMM x64 - Windows Installer (*.msi file)
secRMM x86 - Windows Installer (*.msi file)
To change these settings, click Previous. To apply the settings, click Next.
< Previous
Next >
Summary
Cancel


Create Application Wizard
Progress
General
General Information
Application Catalog
Deployment Types
Summary
Progress
Completion
Status: Working...
< Previous
Next >
Summary
Cancel


Create Application Wizard
Completion
General
General Information
Application Catalog
Deployment Types
Summary
Progress
Completion
The Create Application Wizard completed successfully
Details:
Success: General Information:
Application name: secRMM v9.9.0.0
Administrator comments:
Publisher: Squadra Technologies
Software version: 9.9.0.0
Optional reference:
Success: Categories:
Success: Owners:
Administrator
Success: Support contacts:
Administrator
Success: Application Catalog entries specified for the following languages:
en-US
Success: Deployment type names:
secRMM x64 - Windows Installer (*.msi file)
secRMM x86 - Windows Installer (*.msi file)
To exit the wizard, click Close.
< Previous
Next >
Summary
Close



secRMM License file

The secRMM license file needs to be copied to each computer running secRMM in your environment. You receive the secRMM license file from Squadra Technologies. If you are deploying secRMM with SCCM for a test and do not yet have a secRMM license file, you can skip this step. secRMM will run (fully functional) for 30 days. Once you do get a secRMM license file, you can come back to this section.

Under the network share we created earlier (in the section titled "Prepare the SCCM server" above), we created a subdirectory named \\sccmr2\secRMM\secRMMLicense
(C:_SCCMAppDeployments\secRMM\secRMMLicense).
Put the secRMM license file you received from Squadra Technologies into this directory. Your secRMM license file will have a name similar to your domain name. In this document (for example purposes), we will use the name **CONTOSO.com.lic** for the secRMM license file. Be sure though that you change **CONTOSO.com.lic** to be the actual file name you received from Squadra Technologies (we will point out each place you need to make a change below).

Scripts to copy the license file

The secRMM SCCM license file is deployed using a script (cmd file). The install and uninstall scripts are in the secRMMDeployment.zip (in the Licensing\SCCM directory) which you can download from the Squadra Technologies web site. Since they are so short, if you prefer, you can just copy and paste them from below. If you use the files from the secRMMDeployment.zip file, make sure you still edit them and change the `MyDomain.lic` to the name of your secRMM license file as shown below. In the screenshots below, we will use CONTOSO.com.lic as our secRMM license file.

If you choose to just copy and paste the scripts, using notepad (or another editor such as Visual Studio), create a file named secRMMLicenseInstall.cmd in the same directory where you put your secRMM license file: \\sccmr2\secRMM\secRMMLicense
(C:_SCCMAppDeployments\secRMM\secRMMLicense).

*** Intentionally blank so script below is on a single page ***

Be sure to change **MyDomain.lic** in the script below to be the name of your secRMM license file.

Cut and paste the following text into the file named secRMMLicenseInstall.cmd:

```
set license=MyDomain.lic

@ECHO OFF
setlocal enabledelayedexpansion
setlocal enableextensions
for /f "tokens=* delims= " %%a in ("%license%") do set license=%%a
for /l %%a in (1,1,260) do if "!license:~-1!"==" " set license=!license:~0,-1!
set log="%~dp0Install.log"
set KEY_NAME=HKLM\SOFTWARE\Microsoft\MMC\SnapIns\FX:{4bbd4ebc-d808-4efc-b0a6-83c62e4ac931}
set VALUE_NAME=ApplicationBase
FOR /F "usebackq skip=2 tokens=1-4" %%A IN (`REG QUERY %KEY_NAME% /v %VALUE_NAME% 2^>nul`) DO (
    set secRMMDir=%%C %%D
)
if defined secRMMDir (
    @echo secRMM is installed at %secRMMDir%  > %log%
       @echo Using %license% as the secRMM license file >> %log%
       if exist "%~dp0%license%" (
               @echo copy "%~dp0%license%" "%secRMMDir%%license%" /y >> %log%
               copy "%~dp0%license%" "%secRMMDir%%license%" /y
               if not exist "%secRMMDir%%license%" (
               @echo license file "%secRMMDir%%license%" does not exist, copy failed. >> %log%
                       exit 8
               ) else (
                       call :log
               )
       ) else (
               @echo license file "%~dp0%license%" does not exist. >> %log%
               exit 9
       )
) else (
    @echo "%KEY_NAME:"=%\%VALUE_NAME%" not found, meaning secRMM is not installed. > %log%
       exit 10
)
goto :EOF
```

```
:log
SET MESSAGE=secRMM license file deployed by SCCM.
SET SECRMMLOGID=3
SET MESSAGEID=300
SET EVENTLEVEL=4
WMIC /Namespace:\\root\cimv2\secrmm path secRMMWMIProvider call WriteToNTEventLog ^
"%MESSAGE%", %SECRMMLOGID%, %MESSAGEID%, %EVENTLEVEL%
exit /b
```

*** Intentionally blank so script below is on a single page ***

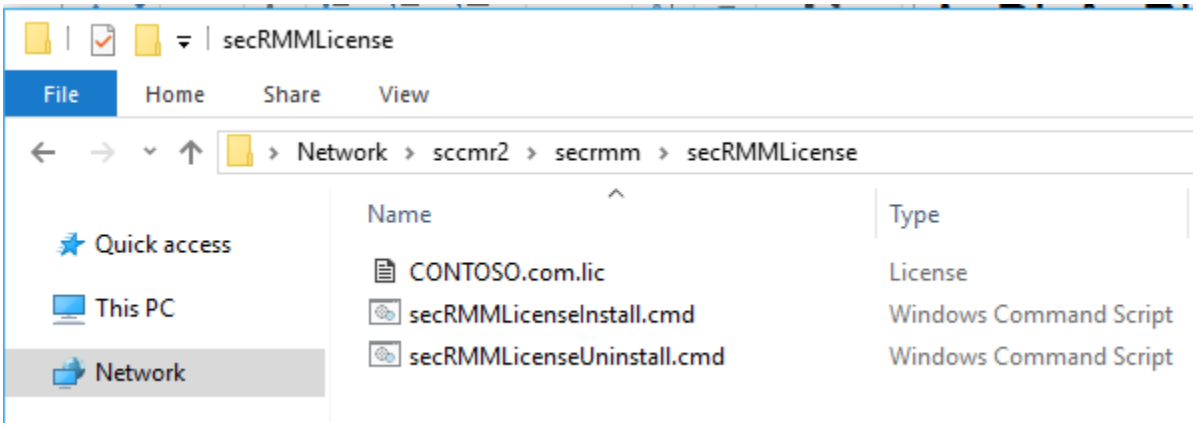
Using notepad (or another editor such as Visual Studio), create a file named secRMMLicenseUninstall.cmd in the same directory where you put your secRMM license file: \\sccmr2\secRMM\secRMMLicense (C:_SCCMAppDeployments\secRMM\secRMMLicense).

Be sure to change **MyDomain.lic** in the script below to be the name of your secRMM license file.

Cut and paste the following text into the file named secRMMLicenseUninstall.cmd:

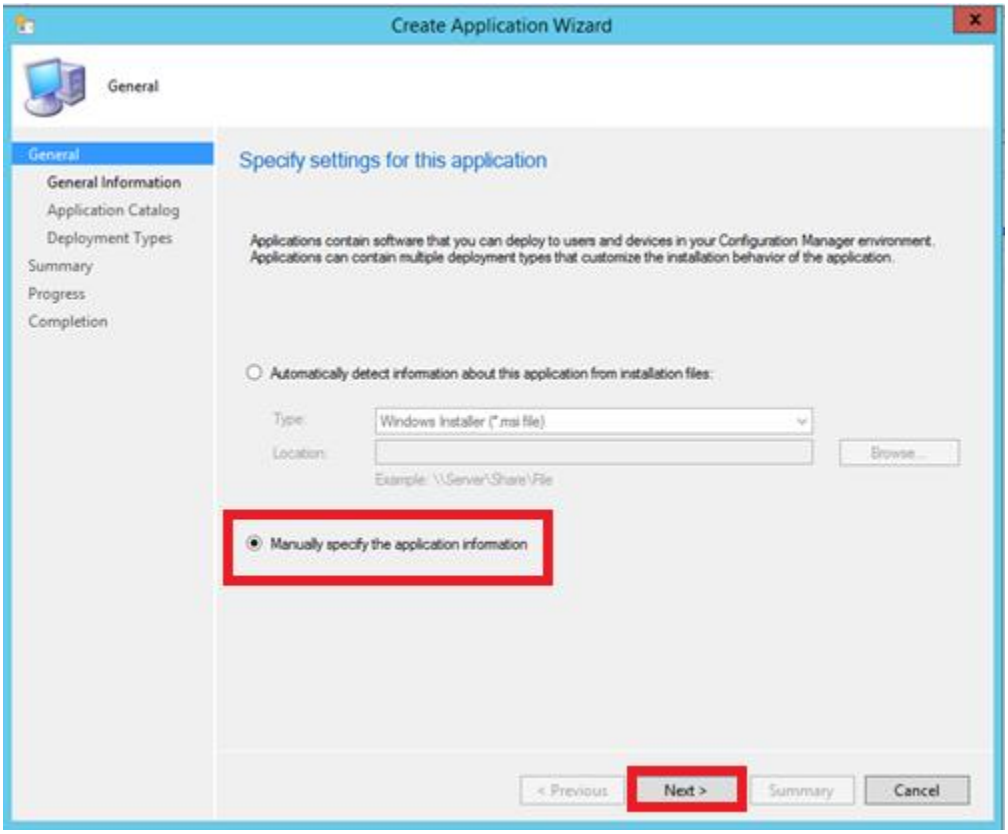
```
set license=MyDomain.lic

@ECHO OFF
setlocal enabledelayedexpansion
setlocal enableextensions
for /f "tokens=* delims= " %%a in ("%license%") do set license=%%a
for /l %%a in (1,1,260) do if "!license:~-1!"==" " set license=!license:~0,-1!
set log="%~dp0Uninstall.log"
set KEY_NAME=HKLM\SOFTWARE\Microsoft\MMC\SnapIns\FX:{4bbd4ebc-d808-4efc-b0a6-83c62e4ac931}
set VALUE_NAME=ApplicationBase
FOR /F "usebackq skip=2 tokens=1-4" %%A IN (`REG QUERY %KEY_NAME% /v %VALUE_NAME% 2^>nul`) DO (
    set secRMMDir=%%C %%D
)
if defined secRMMDir (
    @echo secRMM is installed at %secRMMDir%  > %log%
        @echo Using %license% as the secRMM license file >> %log%
        if exist "%secRMMDir%%license%" (
                @echo del "%secRMMDir%%license%" /f /q >> %log%
                del "%secRMMDir%%license%" /f /q
                if exist "%secRMMDir%%license%" (
                        @echo license file "%secRMMDir%%license%" exists, delete failed. >> %log%
                        exit 8
                )
        ) else (
                @echo license file "%secRMMDir%%license%" does not exist. >> %log%
        )
) else (
    @echo "%KEY_NAME:"=%\%VALUE_NAME%" not found, meaning secRMM is not installed. > %log%
)
```

The screenshot below is what the secRMMLicense directory should look like (except you will have your secRMM license file instead of CONTOSO.com.lic).

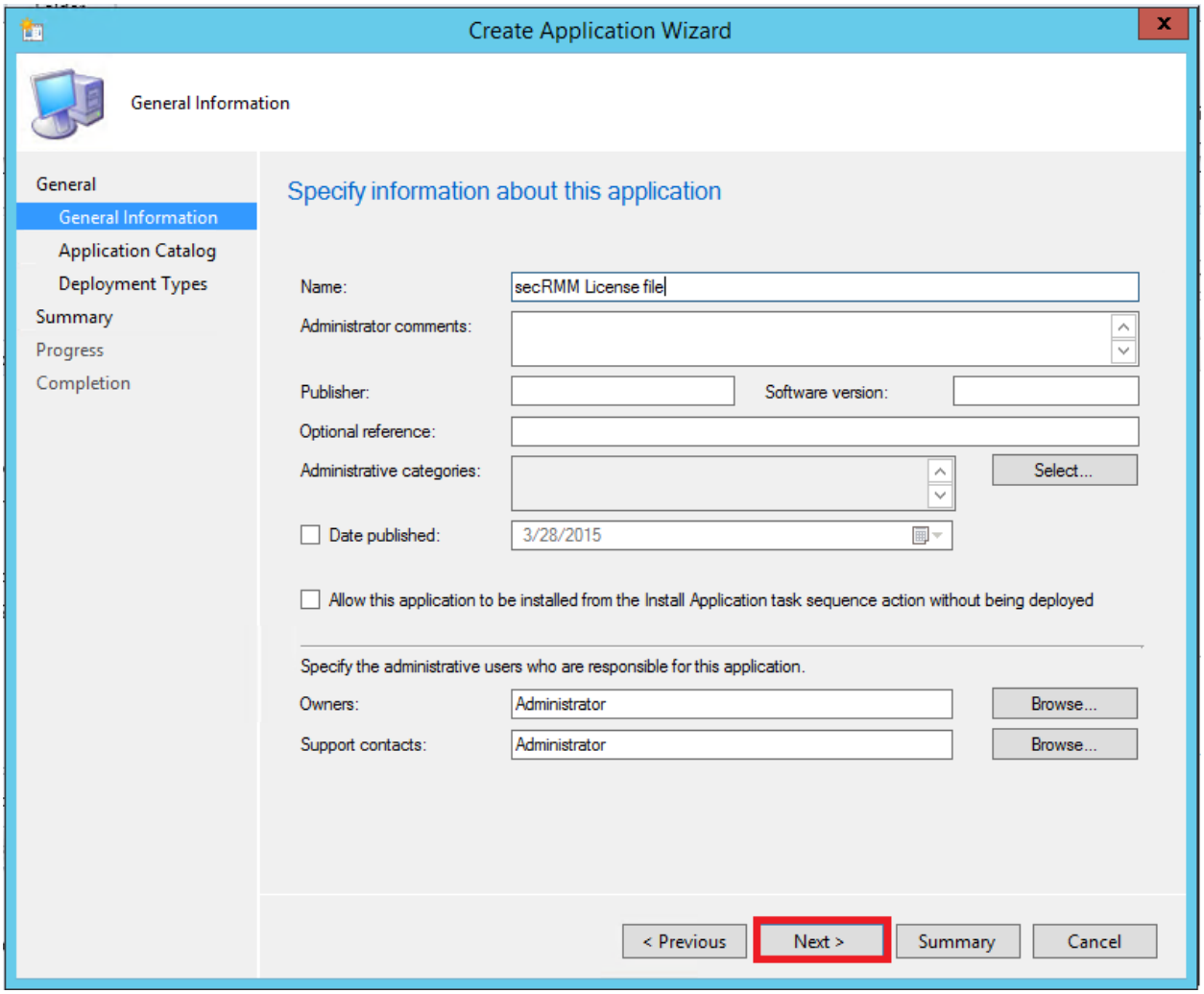


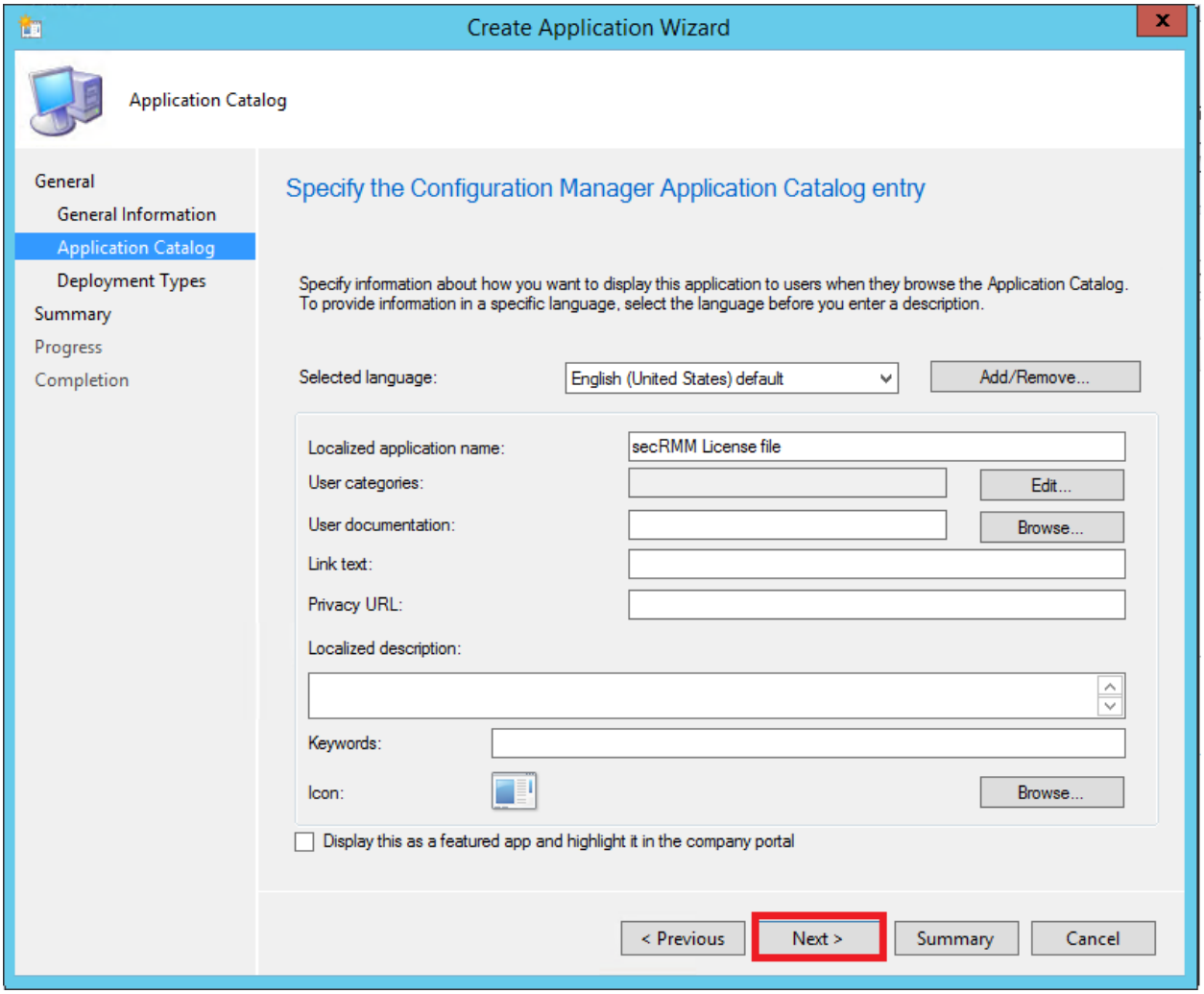
Now, we will create another SCCM Application to deploy the secRMM License file to the computers in your environment. Press the “Create Application” button on the SCCM Console ribbon bar when you have the Software Library->Application Management->Applications->secRMM clicked.

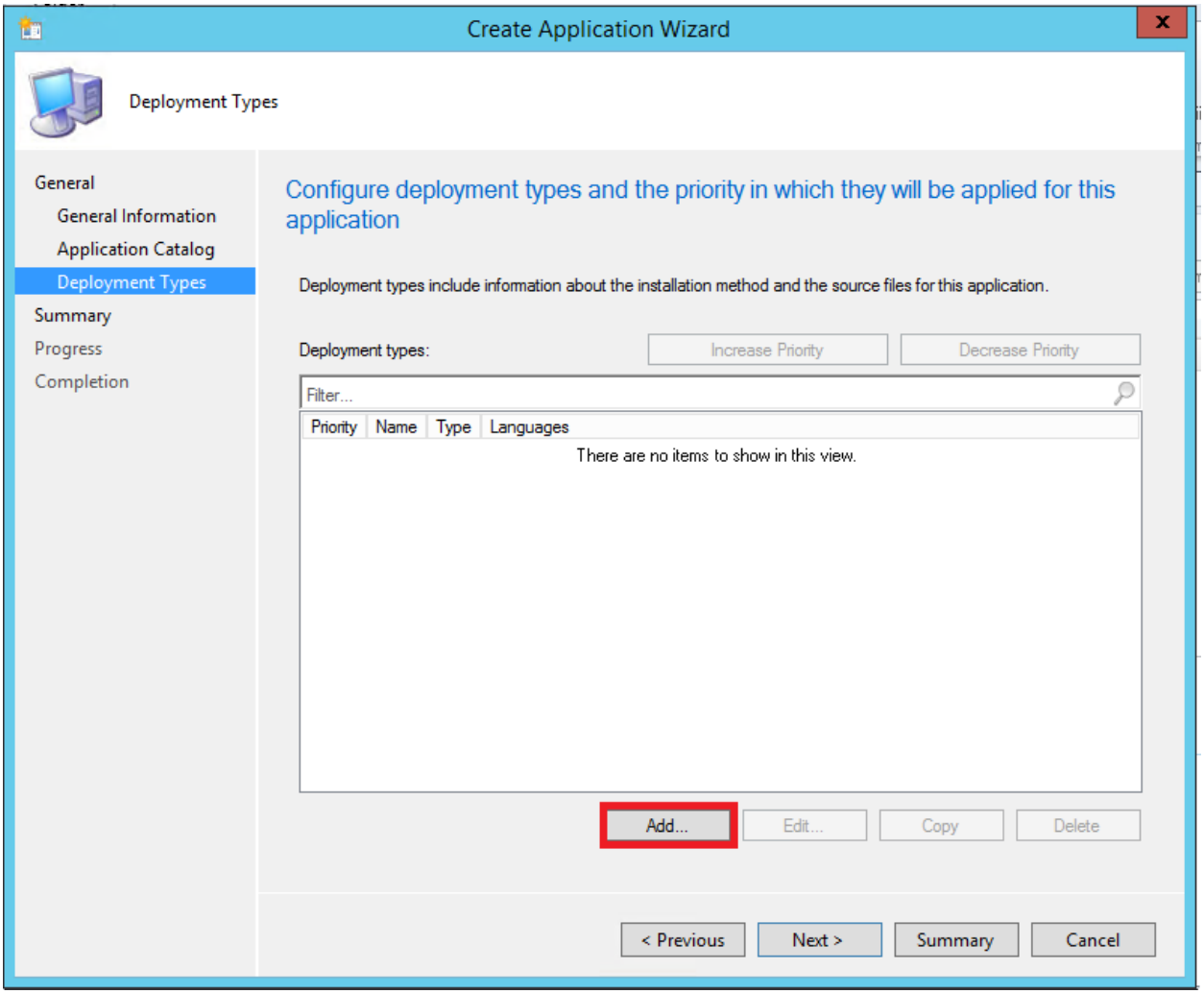
The “Create Application Wizard” will display. Select the “Manually specify the application installation” and click the Next button.

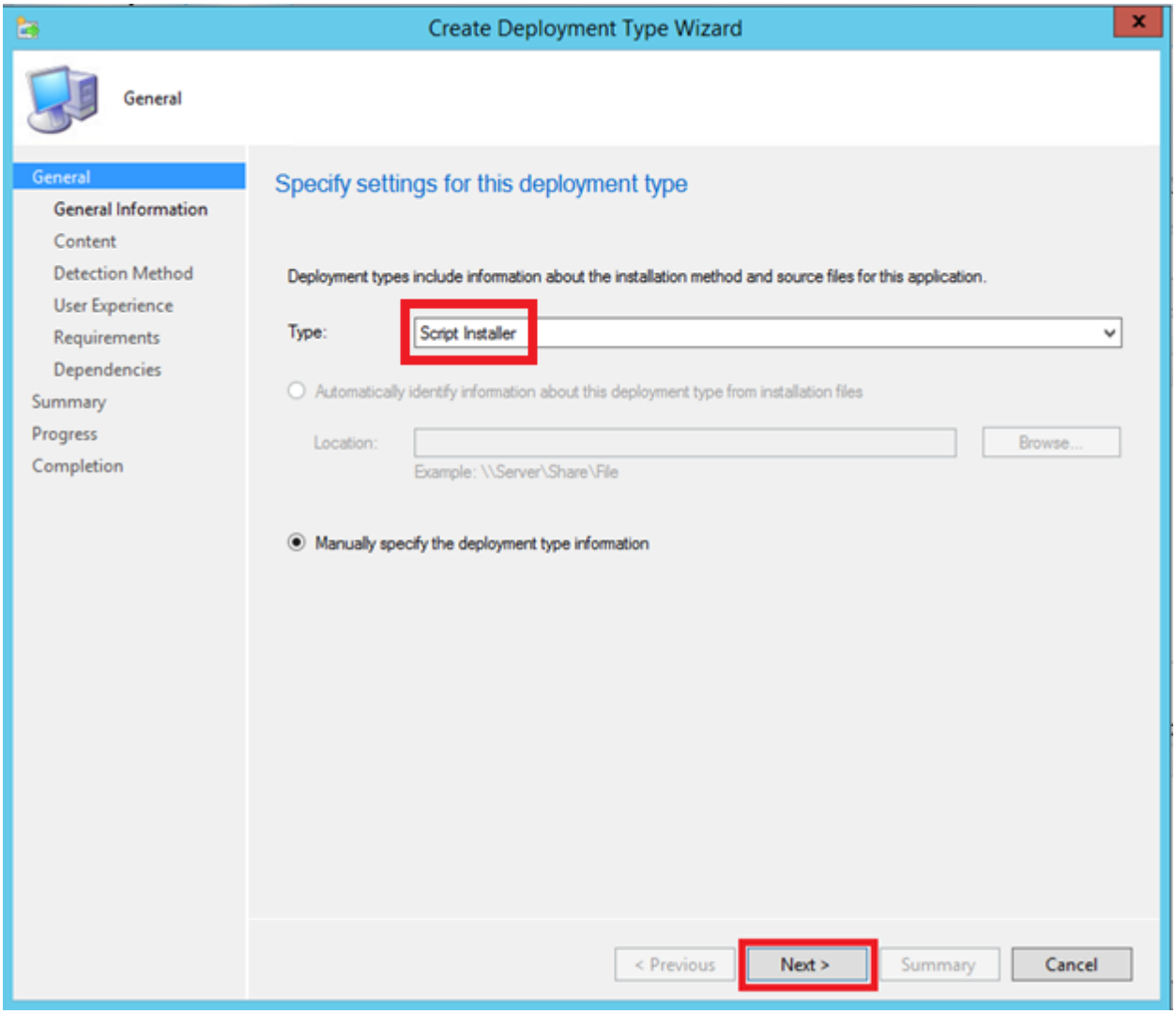


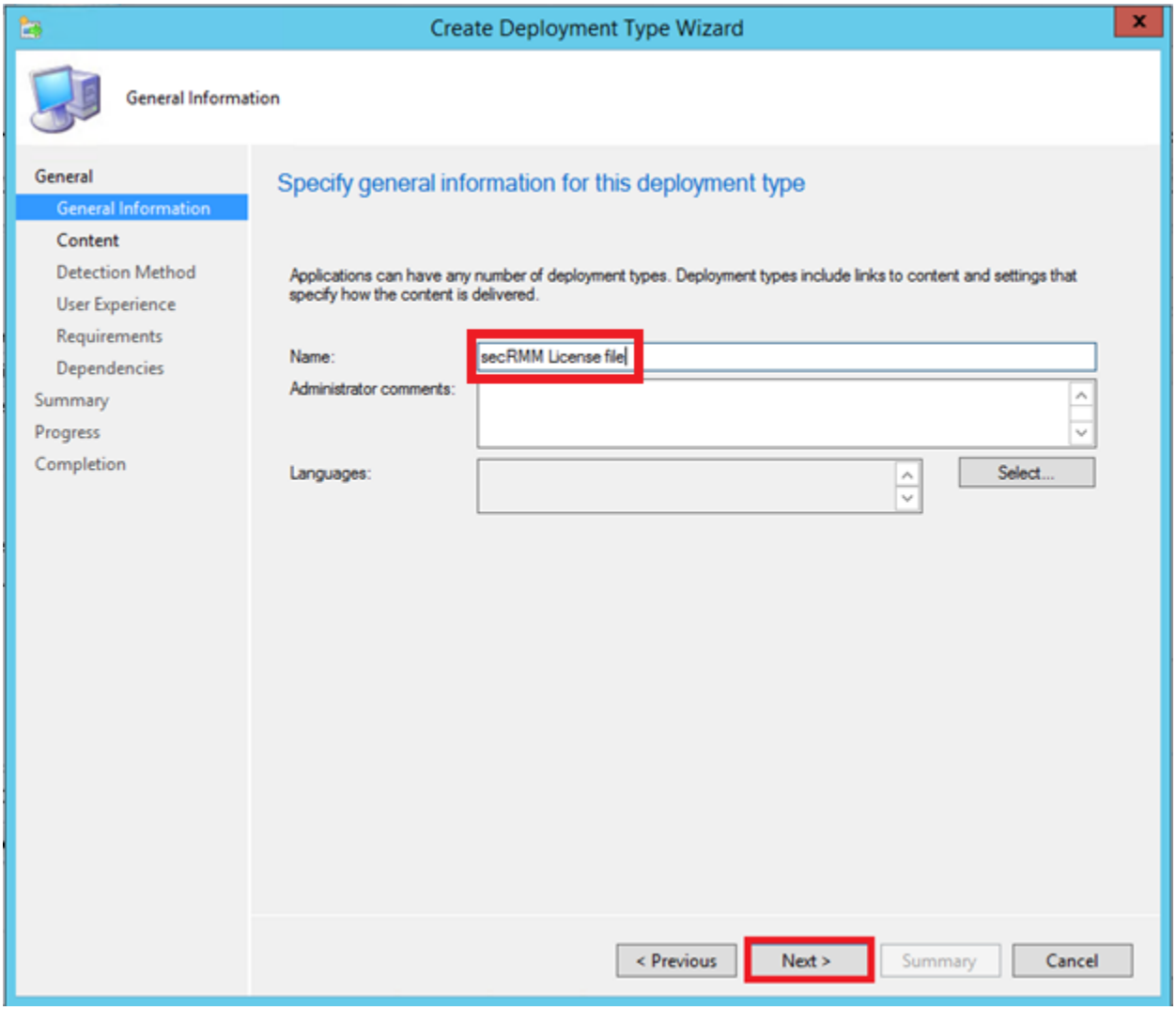
On the “General Information” page, specify the application name (we used “secRMM License file”). There are other optional fields you can fill in based on your SCCM processes.

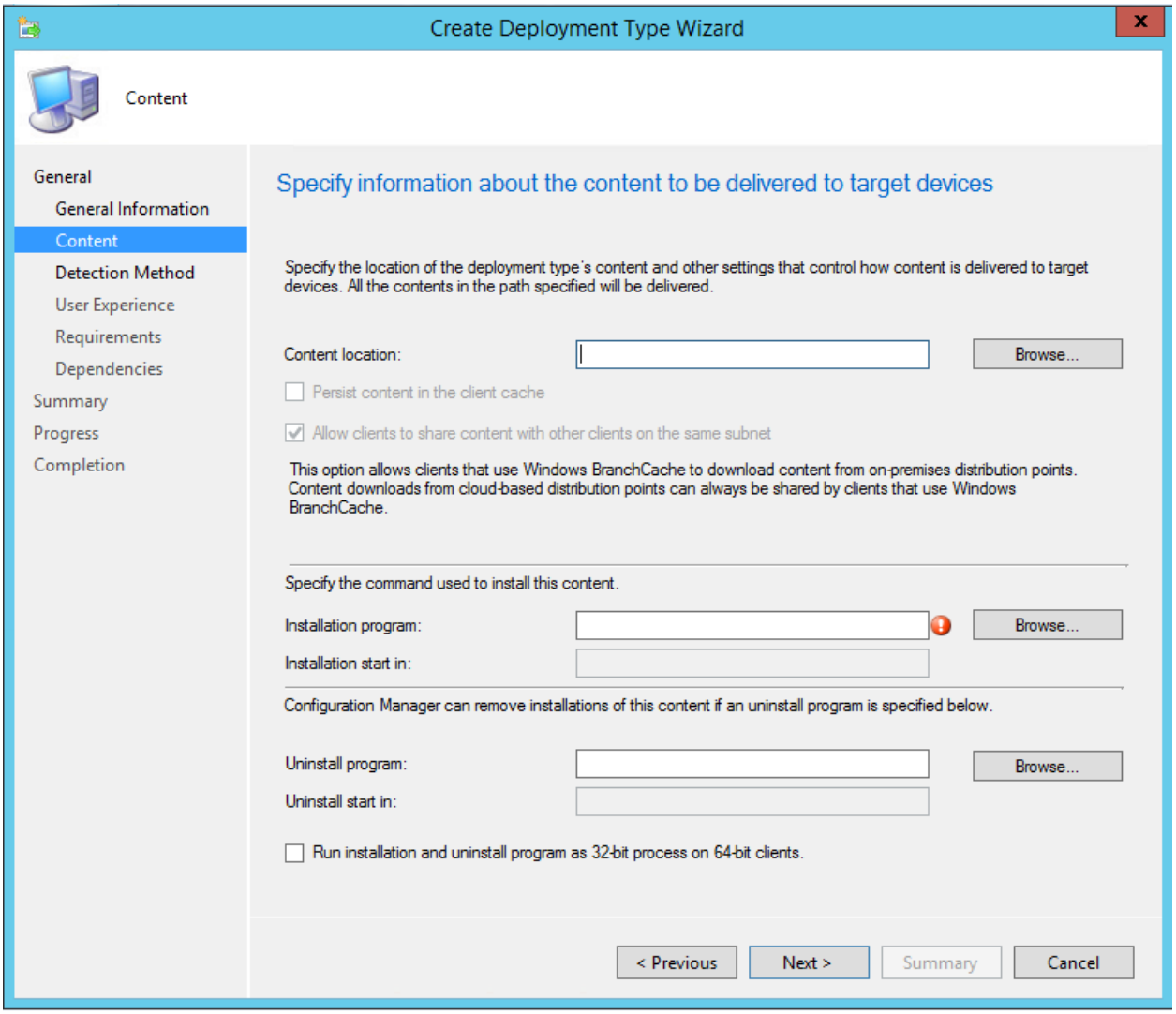

Create Application Wizard
General Information
General
General Information
Application Catalog
Deployment Types
Summary
Progress
Completion
Specify information about this application
Name:
secRMM License file
Administrator comments:
Publisher:
Software version:
Optional reference:
Administrative categories:
Select...
Date published:
3/28/2015
Allow this application to be installed from the Install Application task sequence action without being deployed
Specify the administrative users who are responsible for this application.
Owners:
Administrator
Browse...
Support contacts:
Administrator
Browse...
< Previous
Next >
Summary
Cancel

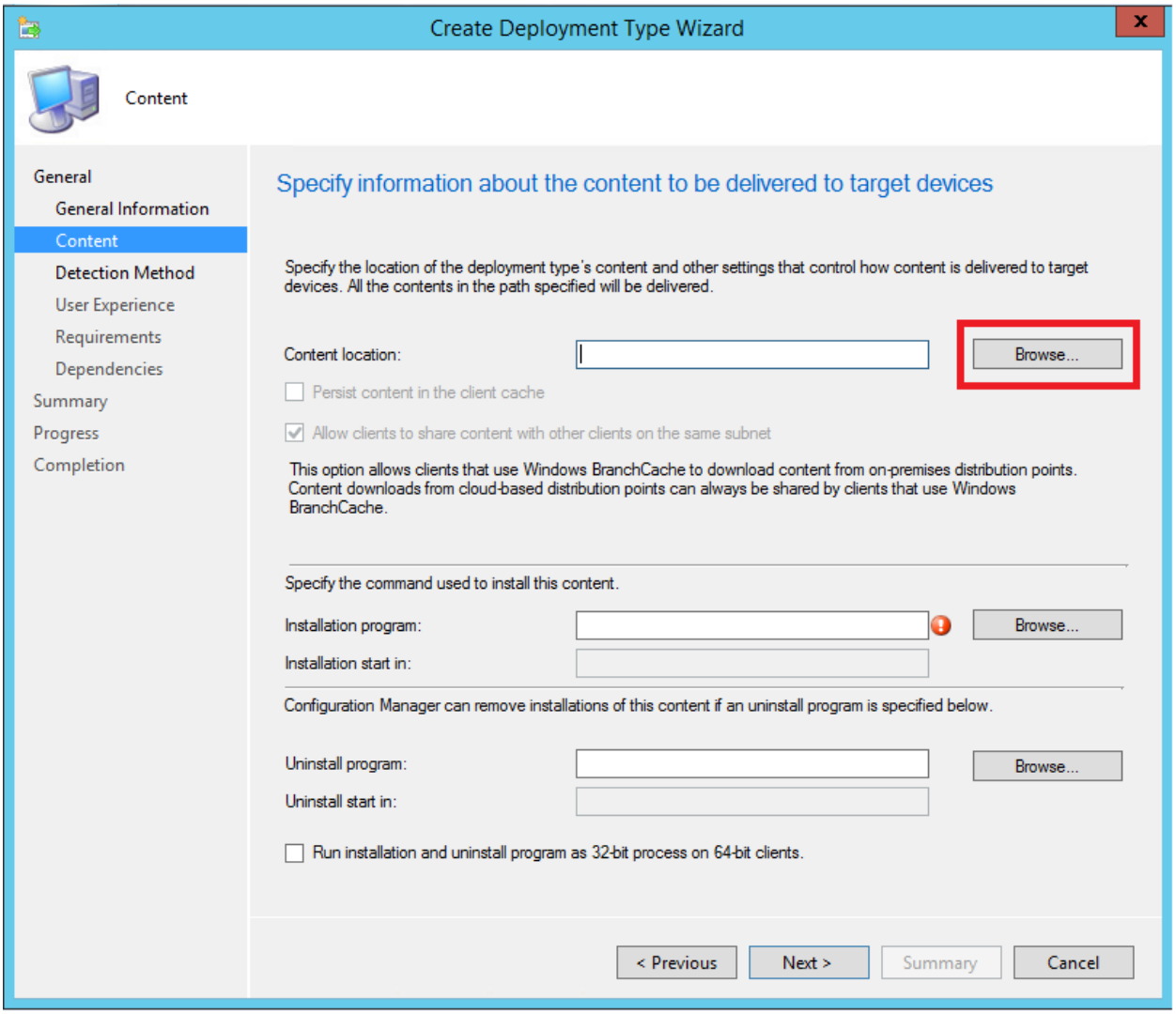

Create Application Wizard
Application Catalog
General
General Information
Application Catalog
Deployment Types
Summary
Progress
Completion
Specify the Configuration Manager Application Catalog entry
Specify information about how you want to display this application to users when they browse the Application Catalog.
To provide information in a specific language, select the language before you enter a description.
Selected language:
English (United States) default
Add/Remove...
Localized application name:
secRMM License file
User categories:
Edit...
User documentation:
Browse...
Link text:
Privacy URL:
Localized description:
Keywords:
Icon:
Browse...
Display this as a featured app and highlight it in the company portal
< Previous
Next >
Summary
Cancel

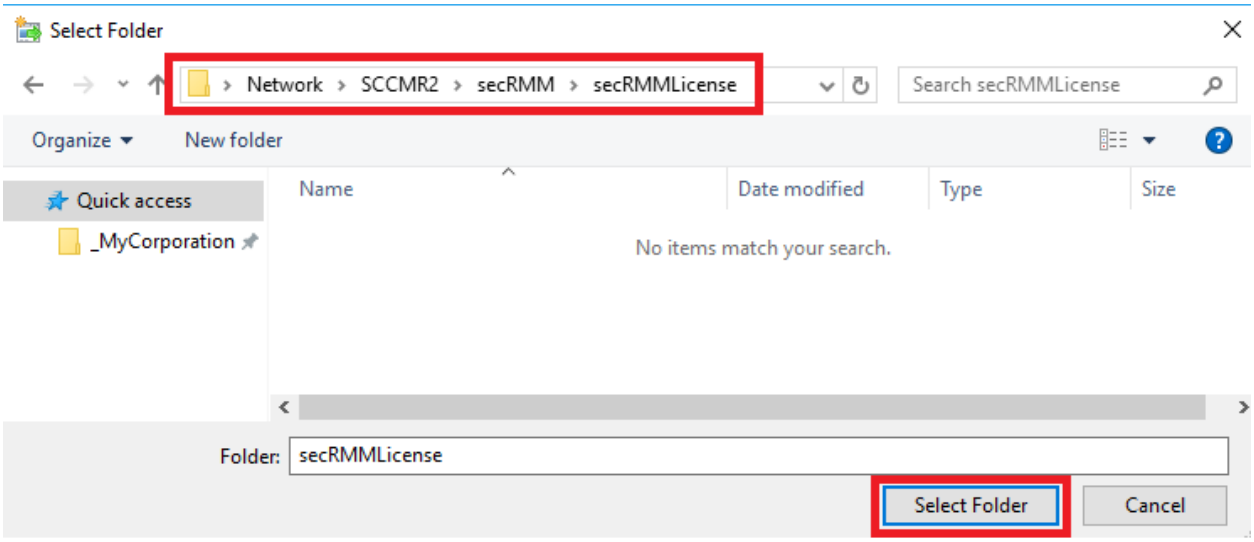

Create Application Wizard
Deployment Types
General
General Information
Application Catalog
Deployment Types
Summary
Progress
Completion
Configure deployment types and the priority in which they will be applied for this application
Deployment types include information about the installation method and 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

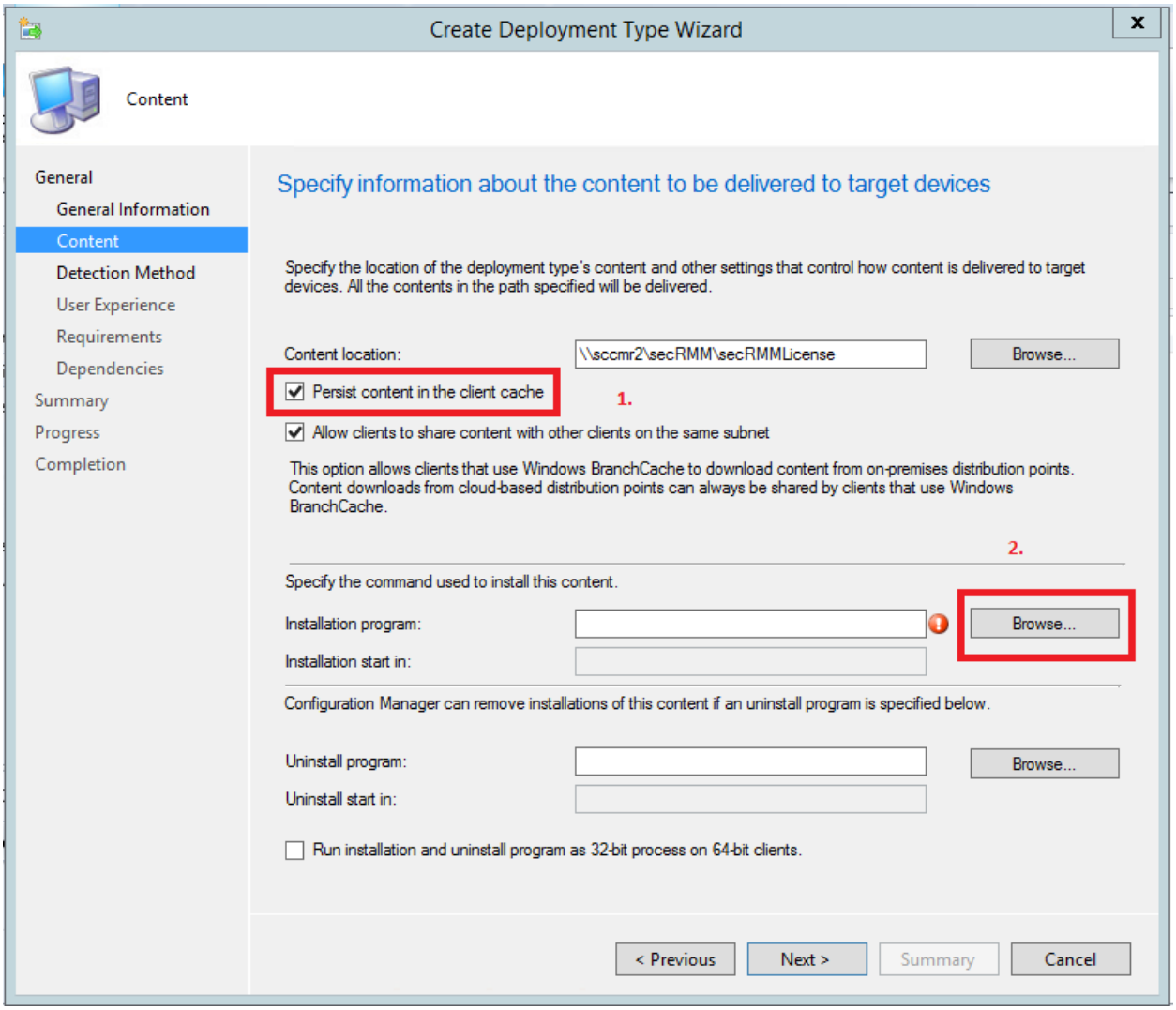

Create Deployment Type Wizard
General
General
General Information
Content
Detection Method
User Experience
Requirements
Dependencies
Summary
Progress
Completion
Specify settings for this deployment type
Deployment types include information about the installation method and source files for this application.
Type:
Script Installer
Automatically identify information about this deployment type from installation files
Location:
Browse...
Example: \\Server\Share\File
Manually specify the deployment type information
< Previous
Next >
Summary
Cancel

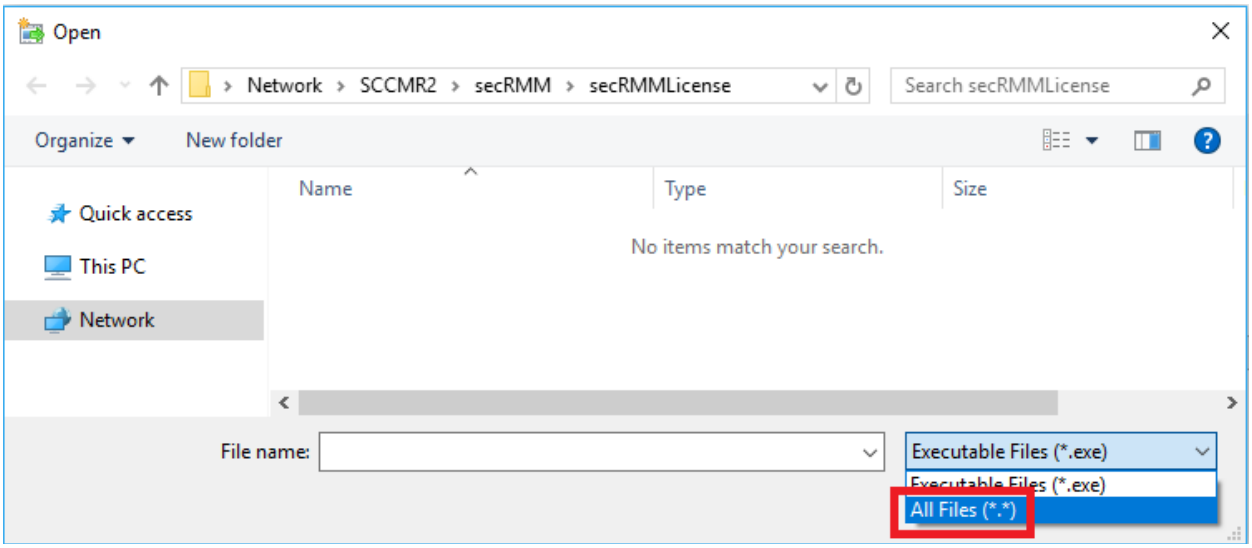

Create Deployment Type Wizard
General Information
General
General Information
Content
Detection Method
User Experience
Requirements
Dependencies
Summary
Progress
Completion
Specify general information for this deployment type
Applications can have any number of deployment types. Deployment types include links to content and settings that specify how the content is delivered.
Name:
secRMM License file
Administrator comments:
Languages:
Select...
< Previous
Next >
Summary
Cancel

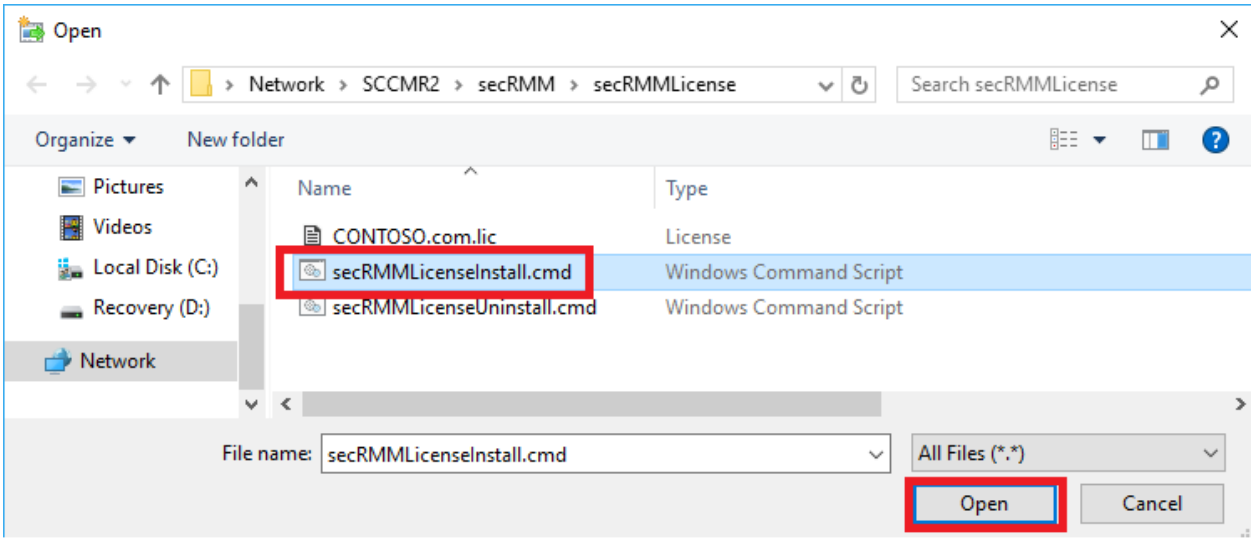

Create Deployment Type Wizard
Content
General
General Information
Content
Detection Method
User Experience
Requirements
Dependencies
Summary
Progress
Completion
Specify information about the content to be delivered to target devices
Specify the location of the deployment type's content and other settings that control how content is delivered to target devices. All the contents in the path specified will be delivered.
Content location:
Browse...
Persist content in the client cache
Allow clients to share content with other clients on the same subnet
This option allows clients that use Windows BranchCache to download content from on-premises distribution points. Content downloads from cloud-based distribution points can always be shared by clients that use Windows BranchCache.
Specify the command used to install this content.
Installation program:
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

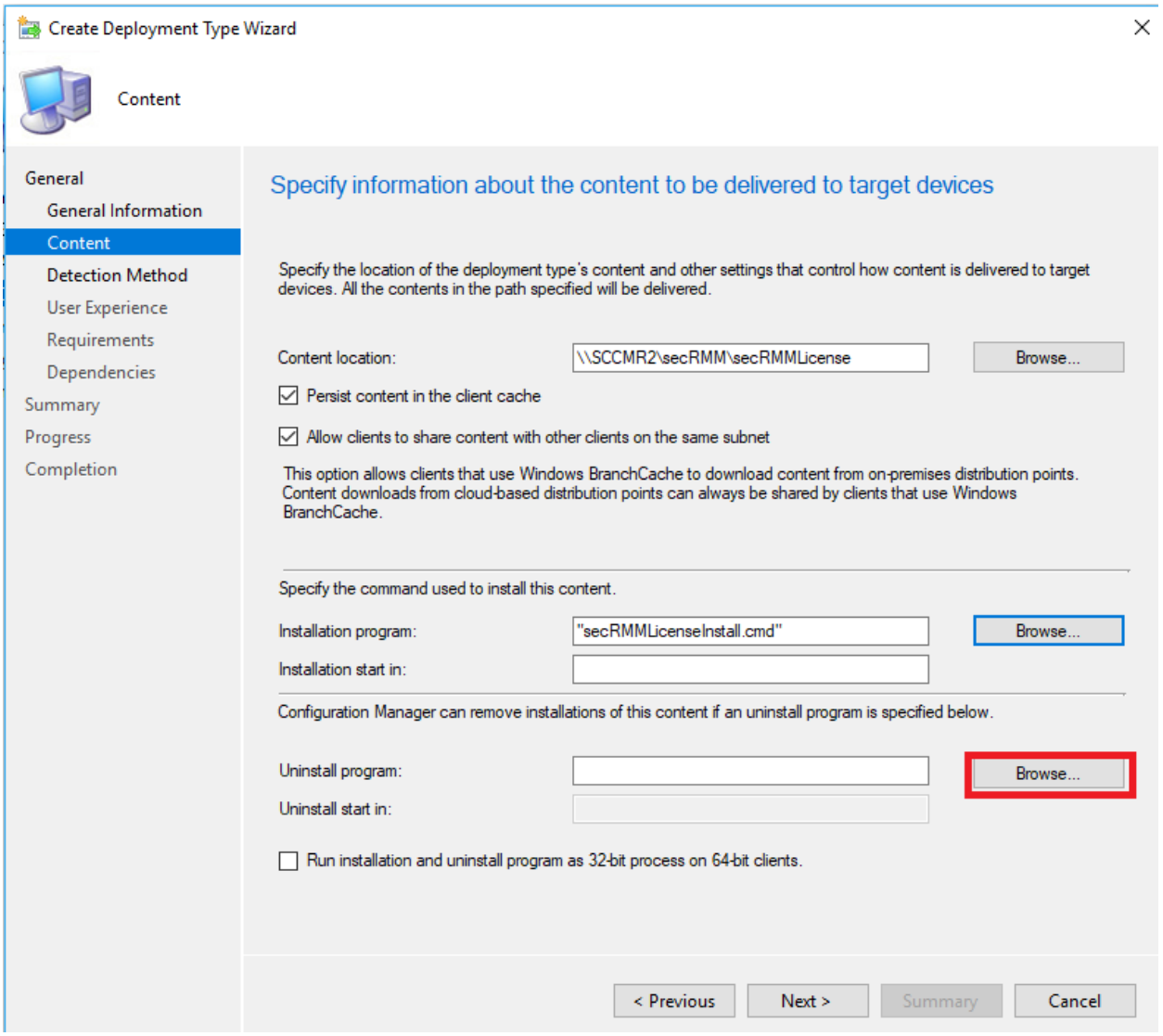

Create Deployment Type Wizard
Content
General
General Information
Content
Detection Method
User Experience
Requirements
Dependencies
Summary
Progress
Completion
Specify information about the content to be delivered to target devices
Specify the location of the deployment type's content and other settings that control how content is delivered to target devices. All the contents in the path specified will be delivered.
Content location:
Browse...
Persist content in the client cache
Allow clients to share content with other clients on the same subnet
This option allows clients that use Windows BranchCache to download content from on-premises distribution points. Content downloads from cloud-based distribution points can always be shared by clients that use Windows BranchCache.
Specify the command used to install this content.
Installation program:
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

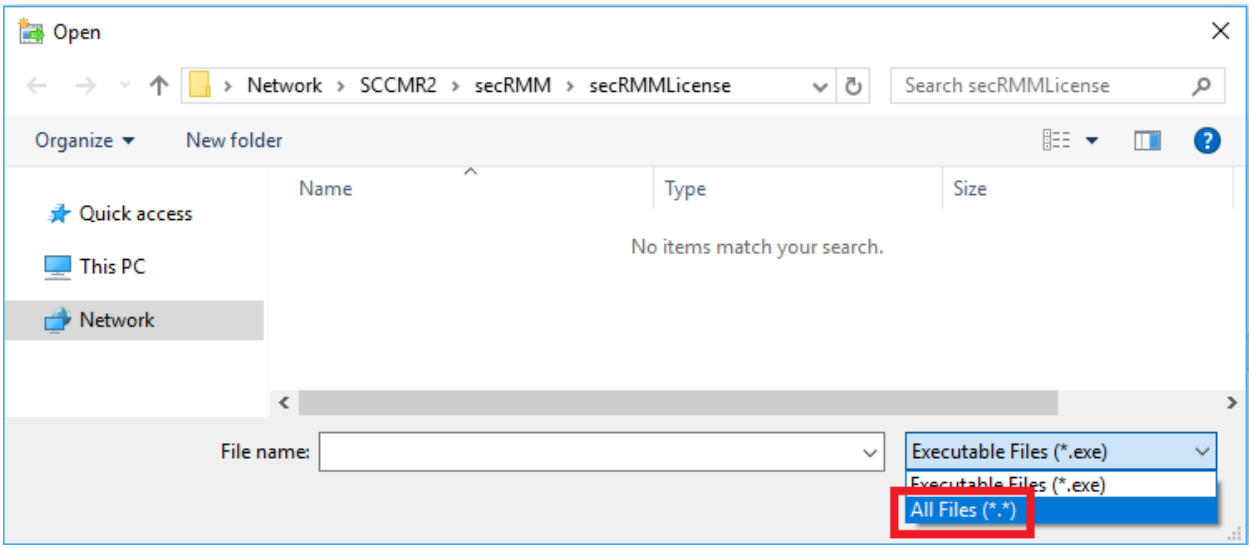

Select Folder
Network › SCCMR2 › secRMM › secRMMLicense
Search secRMMLicense
Organize
New folder
Quick access
_MyCorporation
Name
Date modified
Type
Size
No items match your search.
Folder:
secRMMLicense
Select Folder
Cancel

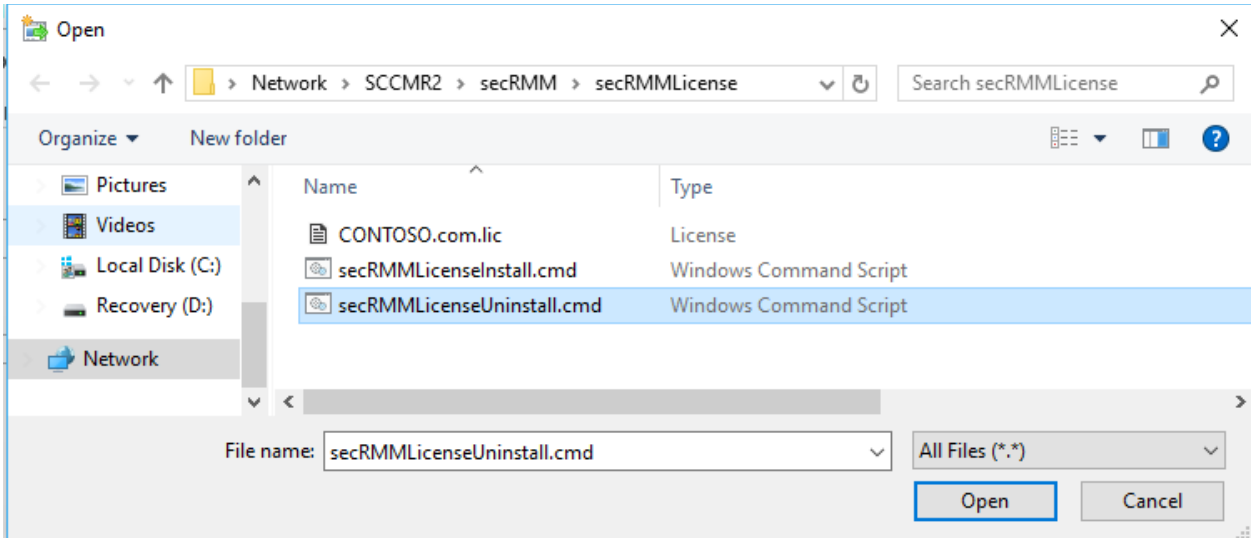

Create Deployment Type Wizard
Content
General
General Information
Content
Detection Method
User Experience
Requirements
Dependencies
Summary
Progress
Completion
Specify information about the content to be delivered to target devices
Specify the location of the deployment type's content and other settings that control how content is delivered to target devices. All the contents in the path specified will be delivered.
Content location:
\\sccmr2\secRMM\secRMMLicense
Browse...
Persist content in the client cache
1.
Allow clients to share content with other clients on the same subnet
This option allows clients that use Windows BranchCache to download content from on-premises distribution points. Content downloads from cloud-based distribution points can always be shared by clients that use Windows BranchCache.
2.
Specify the command used to install this content.
Installation program:
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

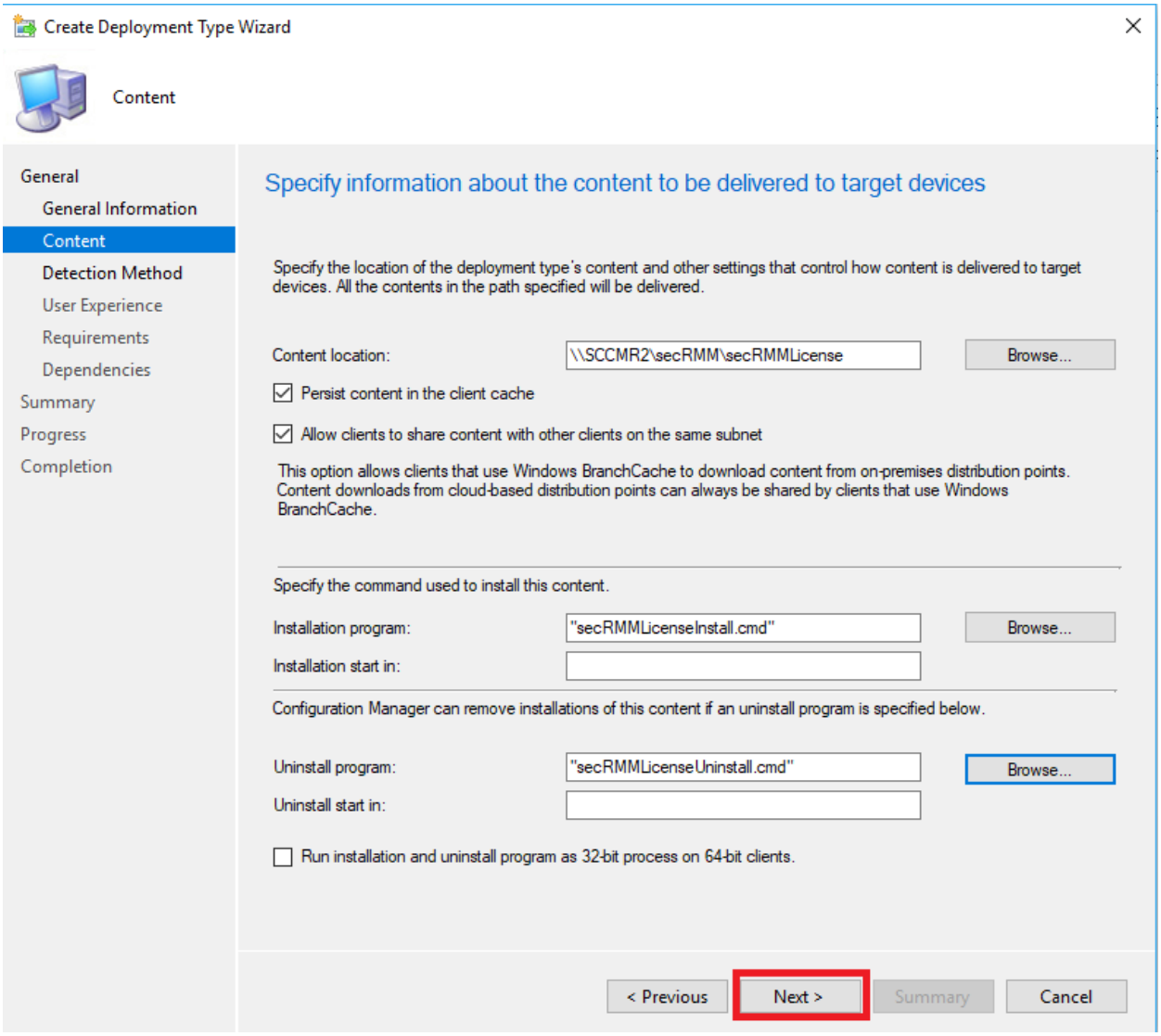

Open
Network
SCCMR2
secRMM
secRMMLicense
Search secRMMLicense
Organize
New folder
Quick access
This PC
Network
Name
Type
Size
No items match your search.
File name:
Executable Files (*.exe)
Executable Files (*.exe)
All Files (*.*)

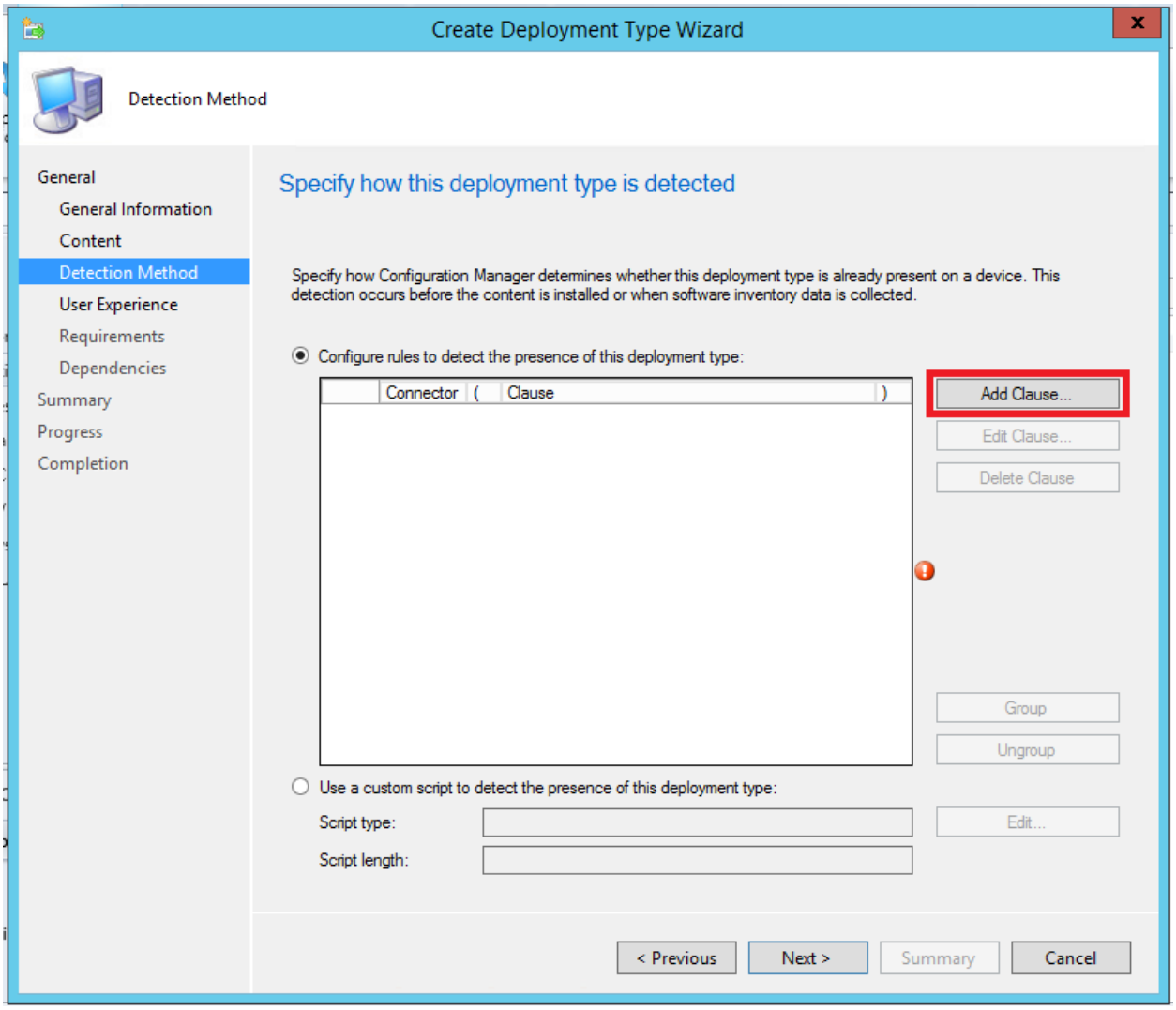

Open
Network › SCCMR2 › secRMM › secRMMLicense
Search secRMMLicense
Organize
New folder
Pictures
Videos
Local Disk (C:)
Recovery (D:)
Network
Name
Type
CONTOSO.com.lic
License
secRMMLicenseInstall.cmd
Windows Command Script
secRMMLicenseUninstall.cmd
Windows Command Script
File name:
secRMMLicenseInstall.cmd
All Files (*.*)
Open
Cancel

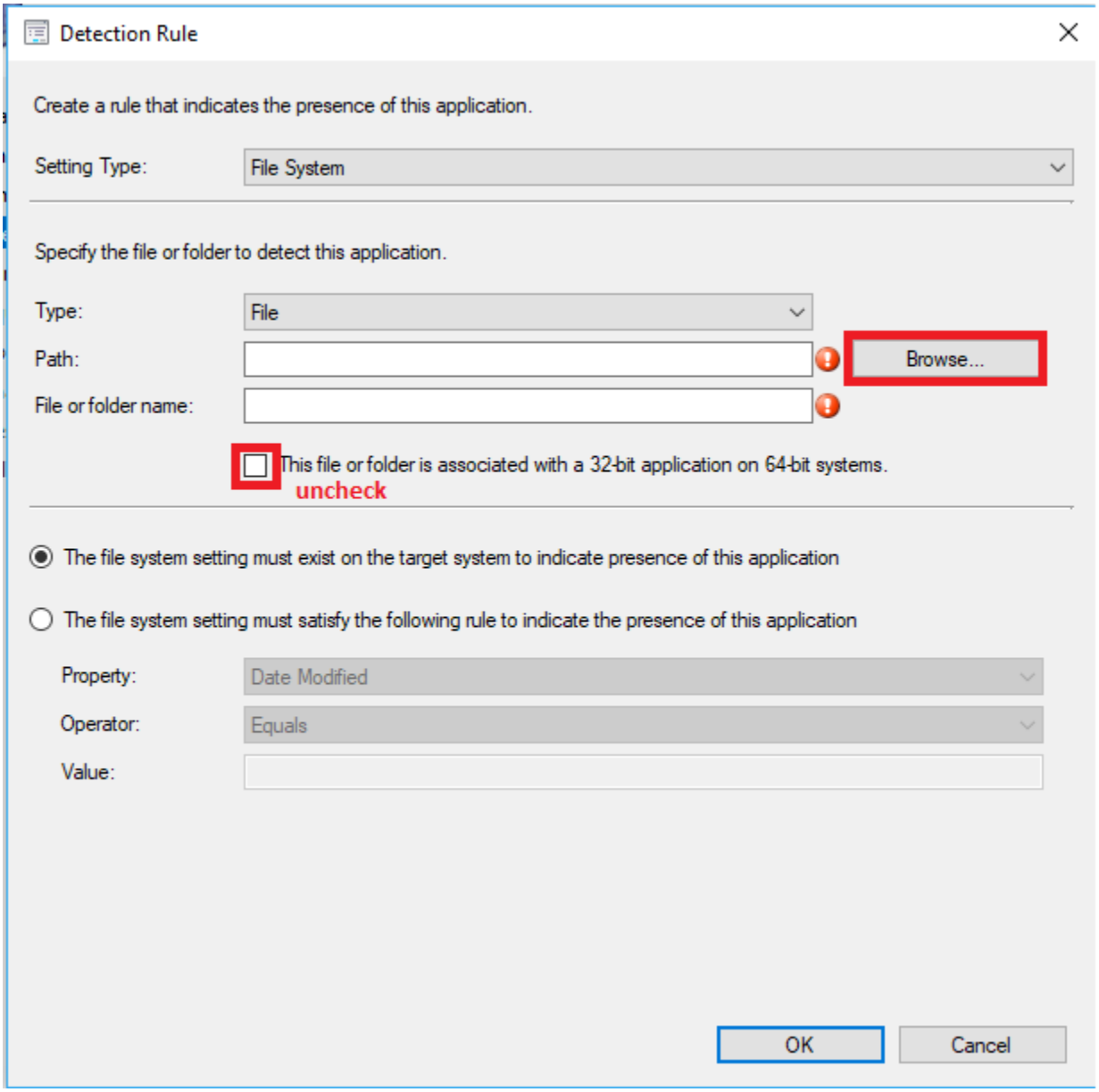

Create Deployment Type Wizard
Content
General
General Information
Content
Detection Method
User Experience
Requirements
Dependencies
Summary
Progress
Completion
Specify information about the content to be delivered to target devices
Specify the location of the deployment type's content and other settings that control how content is delivered to target devices. All the contents in the path specified will be delivered.
Content location:
\\SCCMR2\secRMM\secRMMLicense
Browse...
Persist content in the client cache
Allow clients to share content with other clients on the same subnet
This option allows clients that use Windows BranchCache to download content from on-premises distribution points. Content downloads from cloud-based distribution points can always be shared by clients that use Windows BranchCache.
Specify the command used to install this content.
Installation program:
"secRMMLicenseInstall.cmd"
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


Open
Network › SCCMR2 › secRMM › secRMMLicense
Search secRMMLicense
Organize
New folder
Quick access
This PC
Network
Name
Type
Size
No items match your search.
File name:
Executable Files (*.exe)
Executable Files (*.exe)
All Files (*.*)

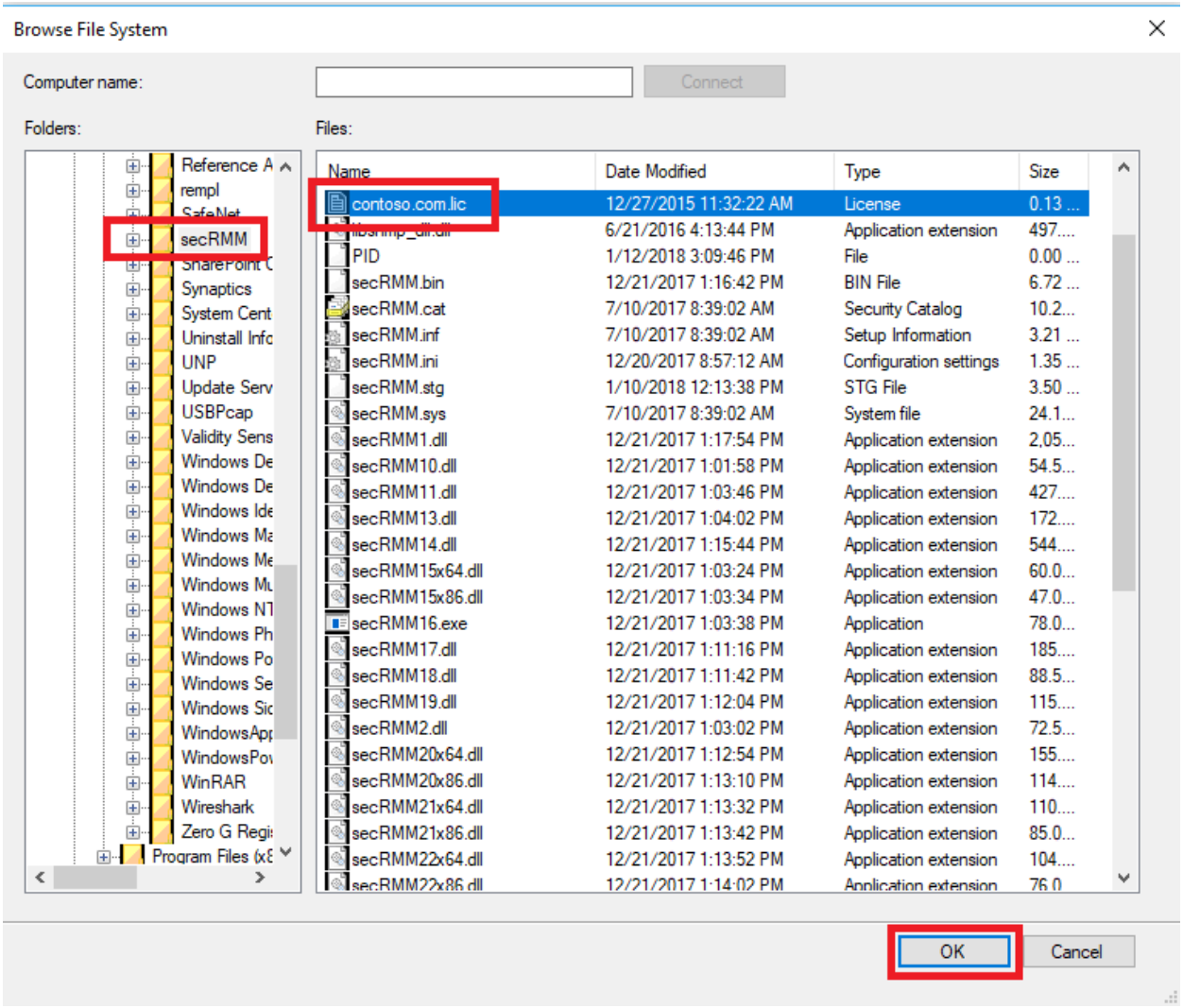

Open
Network › SCCMR2 › secRMM › secRMMLicense
Search secRMMLicense
Organize
New folder
Pictures
Videos
Local Disk (C:)
Recovery (D:)
Network
Name
Type
CONTOSO.com.lic
License
secRMMLicenseInstall.cmd
Windows Command Script
secRMMLicenseUninstall.cmd
Windows Command Script
File name:
secRMMLicenseUninstall.cmd
All Files (*.*)
Open
Cancel


Create Deployment Type Wizard
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:
\\SCCMR2\secRMM\secRMMLicense
Browse...
Persist content in the client cache
Allow clients to share content with other clients on the same subnet
This option allows clients that use Windows BranchCache to download content from on-premises distribution points. Content downloads from cloud-based distribution points can always be shared by clients that use Windows BranchCache.
Specify the command used to install this content.
Installation program:
"secRMMLicenseInstall.cmd"
Browse...
Installation start in:
Configuration Manager can remove installations of this content if an uninstall program is specified below.
Uninstall program:
"secRMMLicenseUninstall.cmd"
Browse...
Uninstall start in:
Run installation and uninstall program as 32-bit process on 64-bit clients.
< Previous
Next >
Summary
Cancel

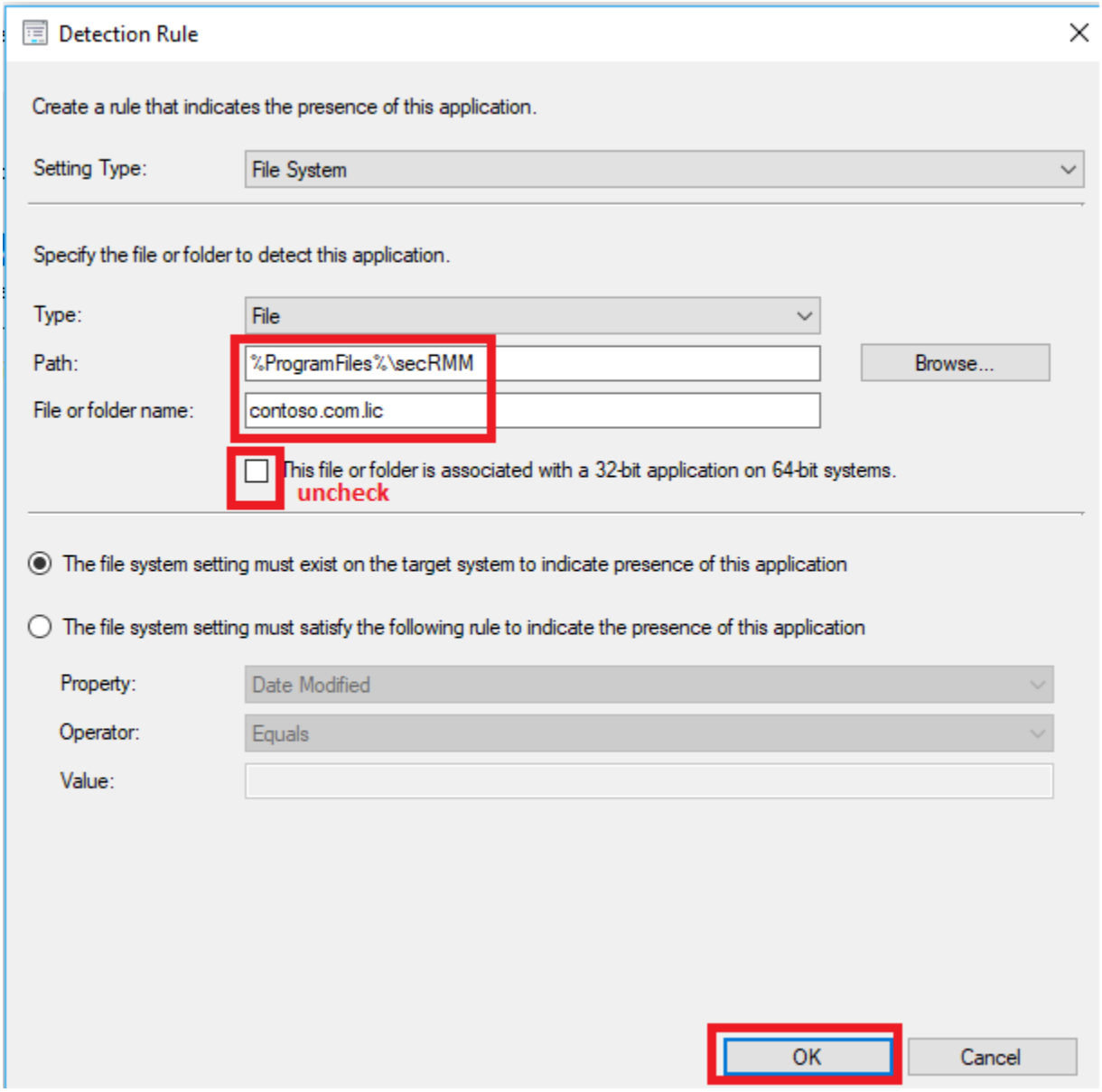

Create Deployment Type Wizard
Detection Method
General
General Information
Content
Detection Method
User Experience
Requirements
Dependencies
Summary
Progress
Completion
Specify how this deployment type is detected
Specify how Configuration Manager determines whether this deployment type is already present 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
Use a custom script to detect the presence of this deployment type:
Script type:
Script length:
Edit...
< Previous
Next >
Summary
Cancel

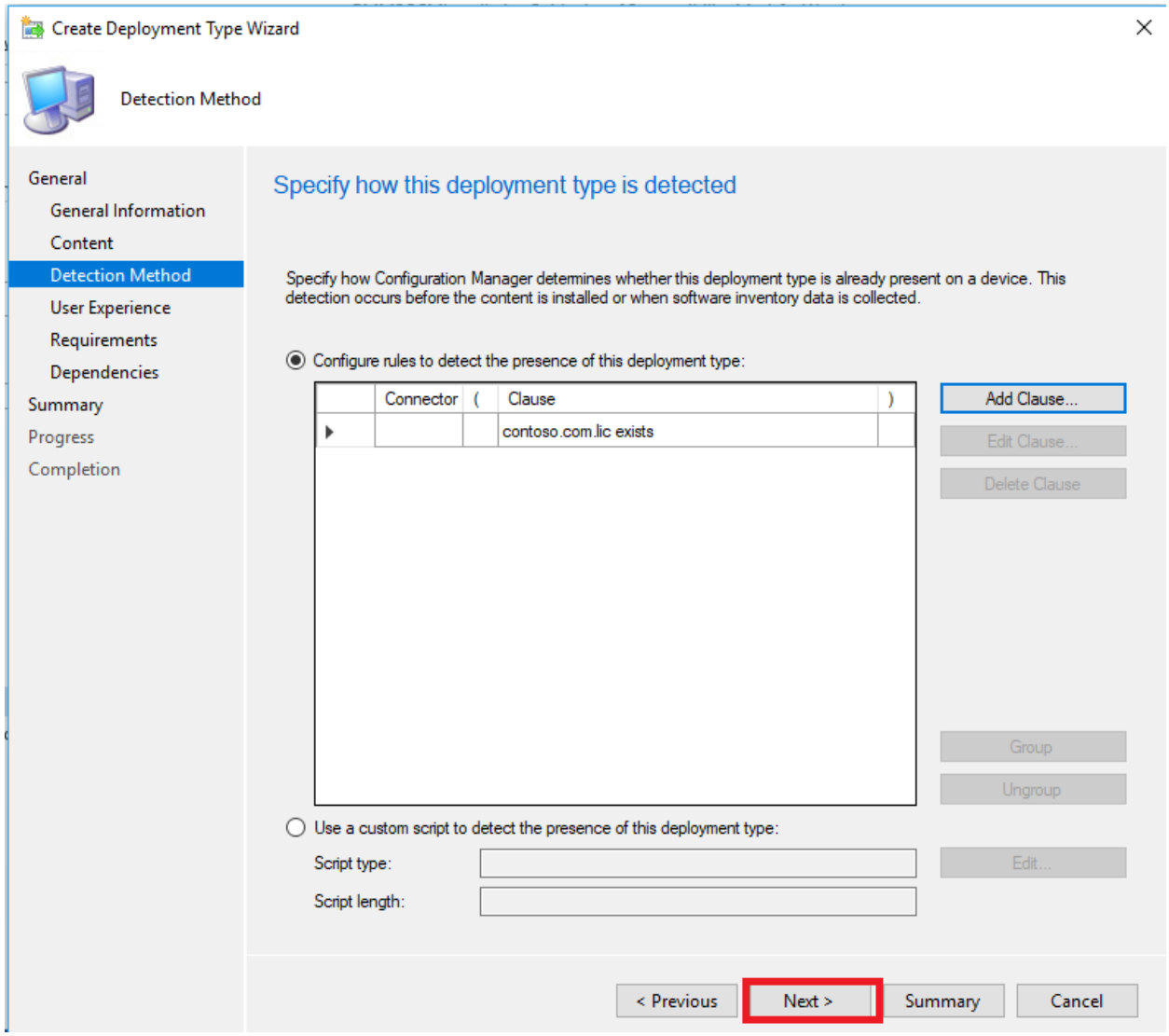


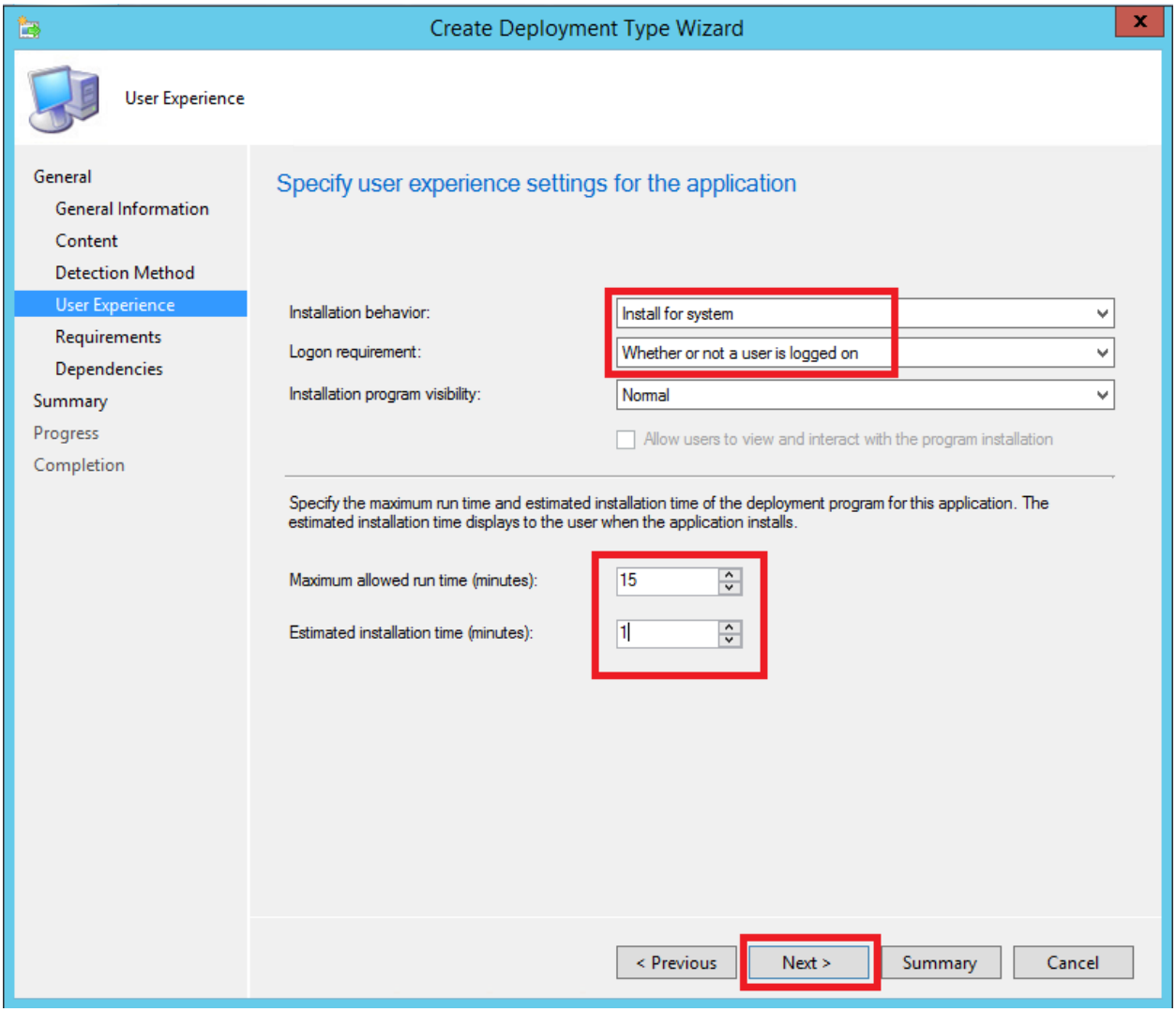
On the "Browse File System", we want to specify the directory where secRMM is installed. The default installation directory is C:\Program Files\secRMM. The file name we will use is the secRMM license file name. For this document, we use CONTOSO.lic but you will use the file name you received from Squadra Technologies. If you don't have secRMM installed on the computer where you are running the SCCM console, then you can just manually type in the information (i.e. the "Path" and "file or folder name" on the Window/dialog named "Detection Rule" (see the screen shot below).

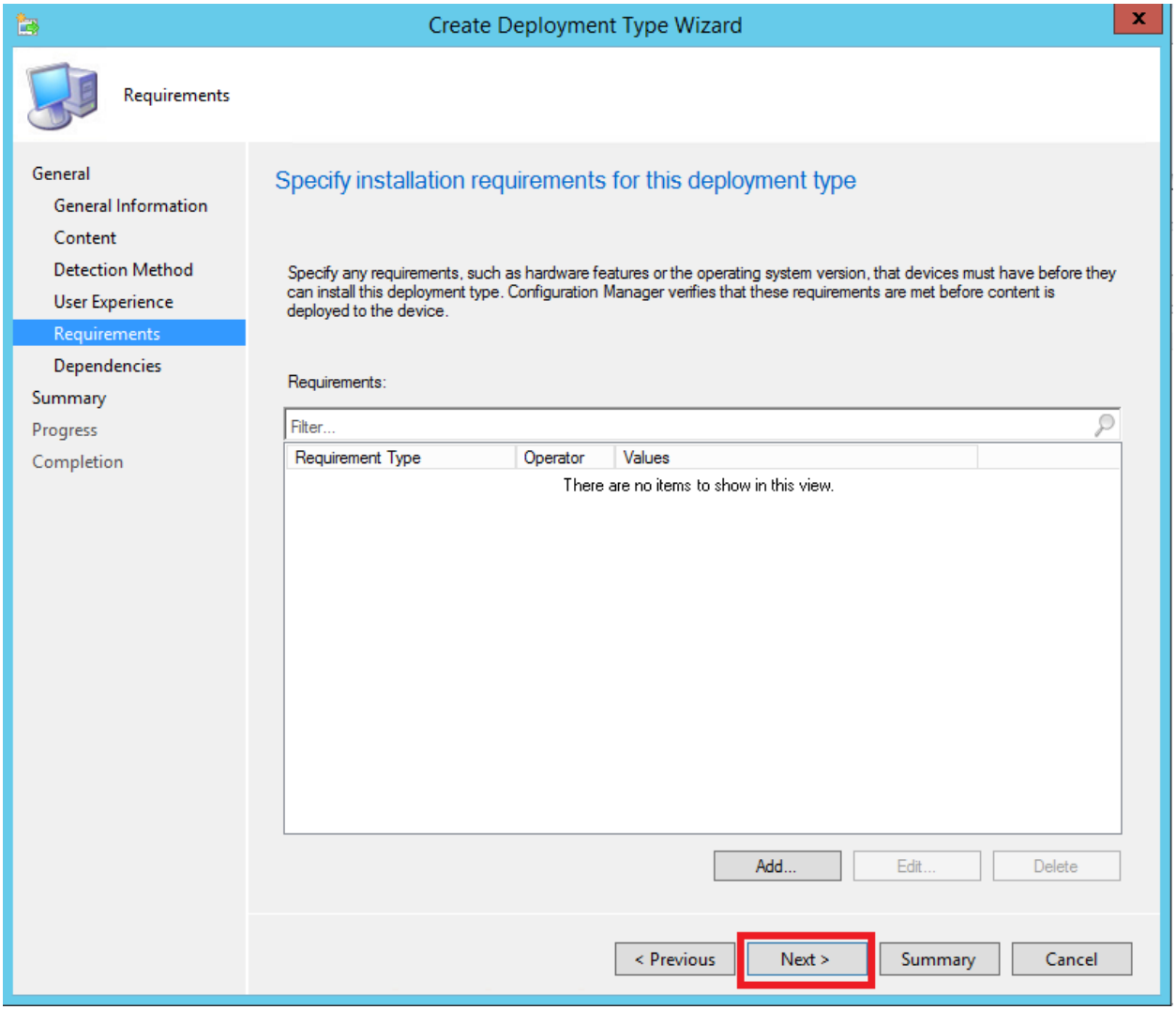


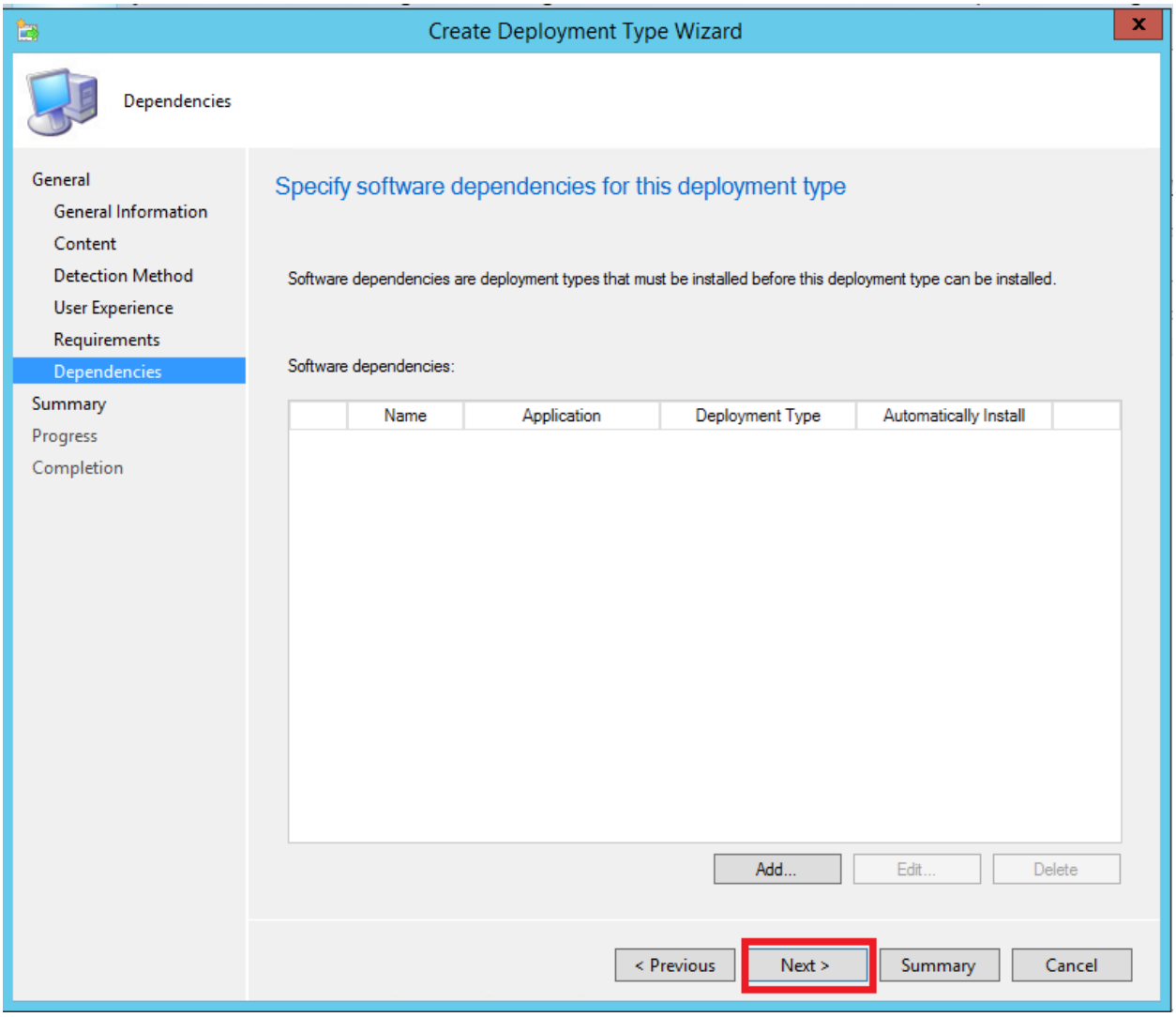
Make sure the checkbox is not checked.

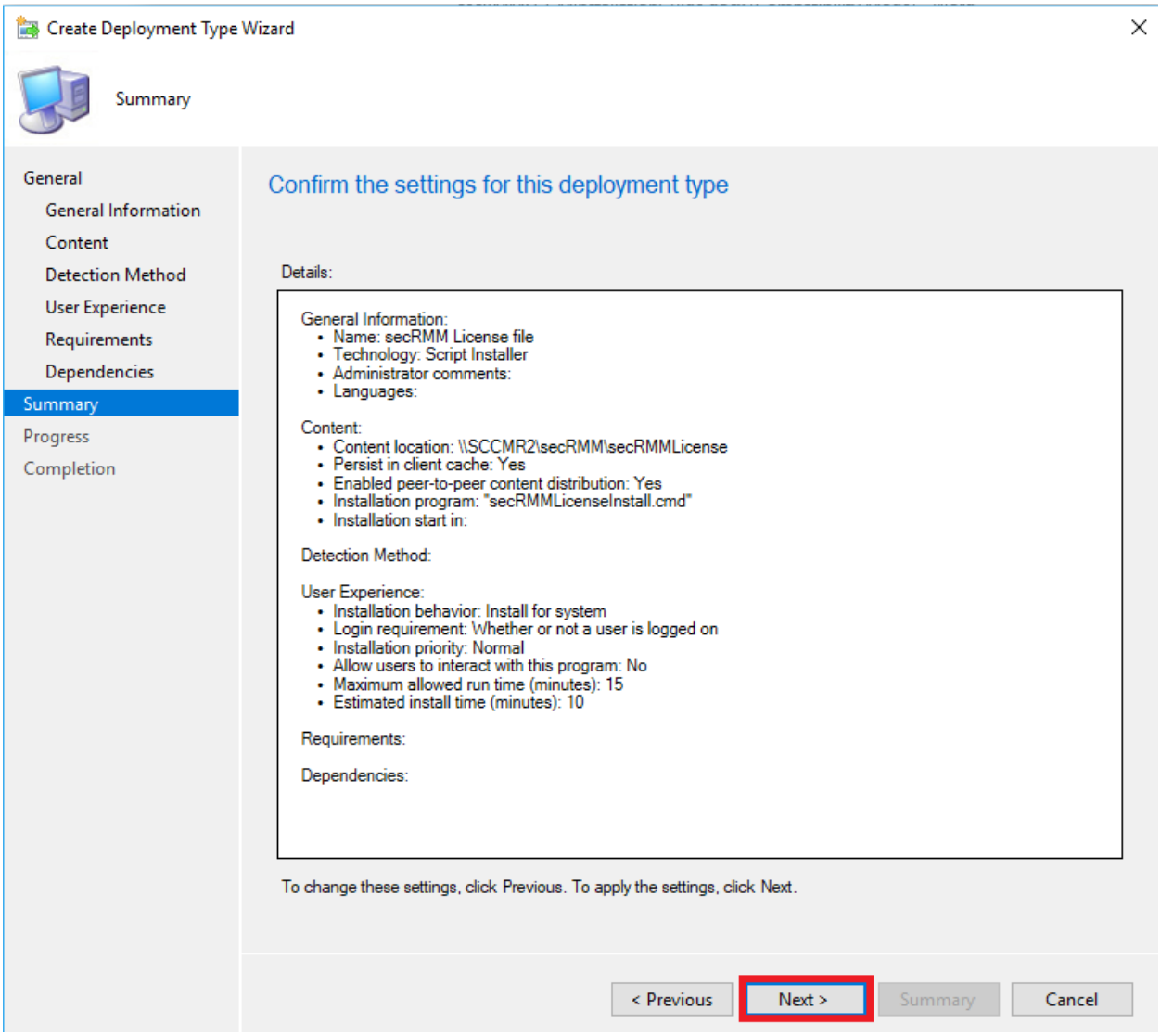

Detection Rule
Create a rule that indicates the presence of this application.
Setting Type:
File System
Specify the file or folder to detect this application.
Type:
File
Path:
%ProgramFiles%\secRMM
Browse...
File or folder name:
contoso.com.lic
This file or folder is associated with a 32-bit application on 64-bit systems.
uncheck
The file system setting must exist on the target system to indicate presence of this application
The file system setting must satisfy the following rule to indicate the presence of this application
Property:
Date Modified
Operator:
Equals
Value:
OK
Cancel

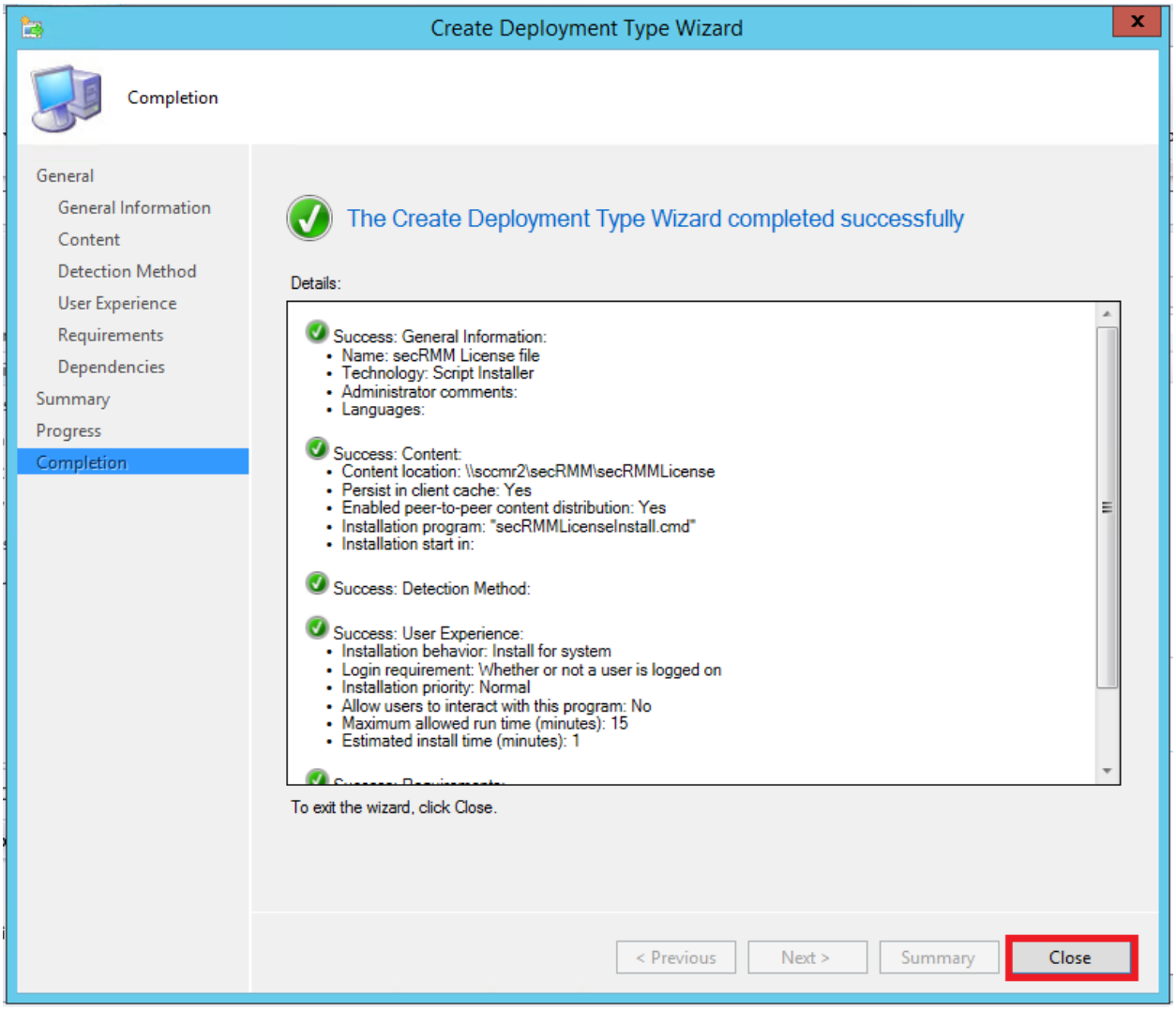

Create Deployment Type Wizard
Detection Method
General
General Information
Content
Detection Method
User Experience
Requirements
Dependencies
Summary
Progress
Completion
Specify how this deployment type is detected
Specify how Configuration Manager determines whether this deployment type is already present 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
)
contoso.com.lic exists
Add Clause...
Edit Clause...
Delete Clause
Group
Ungroup
Use a custom script to detect the presence of this deployment type:
Script type:
Script length:
Edit...
< Previous
Next >
Summary
Cancel

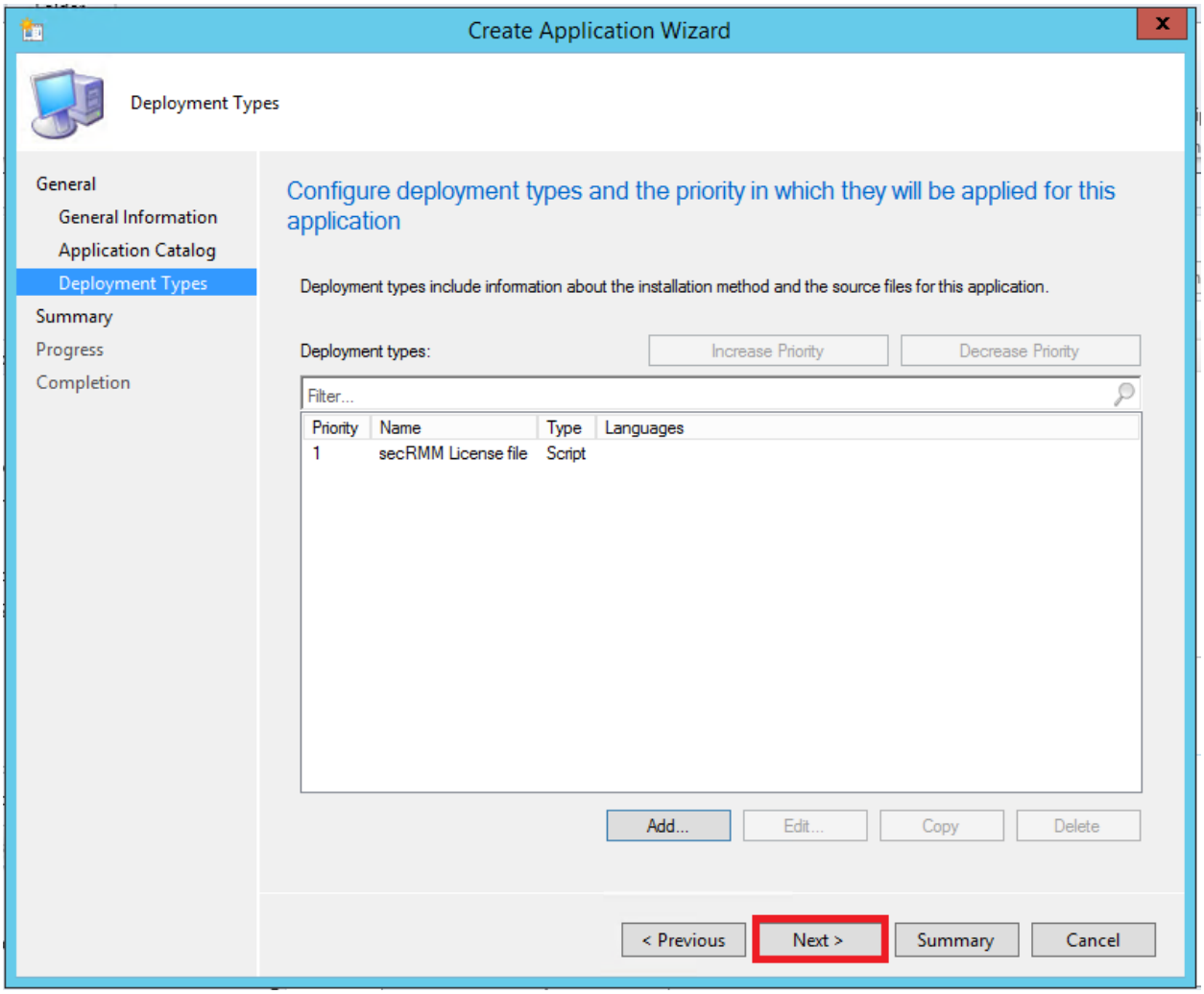

Create Deployment Type Wizard
User Experience
General
General Information
Content
Detection Method
User Experience
Requirements
Dependencies
Summary
Progress
Completion
Specify user experience settings for the application
Installation behavior:
Install for system
Logon requirement:
Whether or not a user is logged on
Installation program visibility:
Normal
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):
15
Estimated installation time (minutes):
1
< Previous
Next >
Summary
Cancel

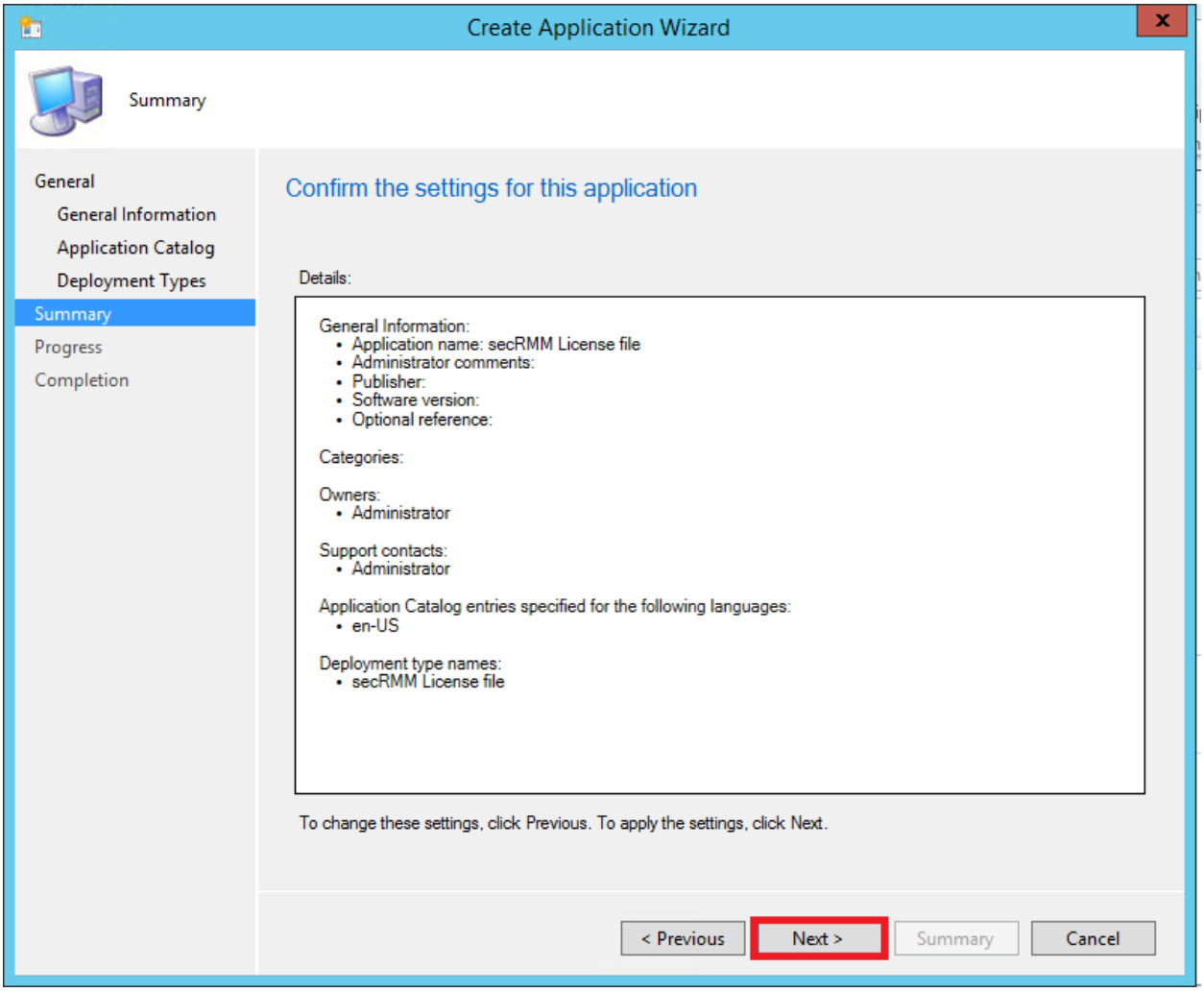

Create Deployment Type Wizard
Requirements
General
General Information
Content
Detection Method
User Experience
Requirements
Dependencies
Summary
Progress
Completion
Specify installation requirements for this deployment type
Specify any requirements, such as hardware features or the operating system 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

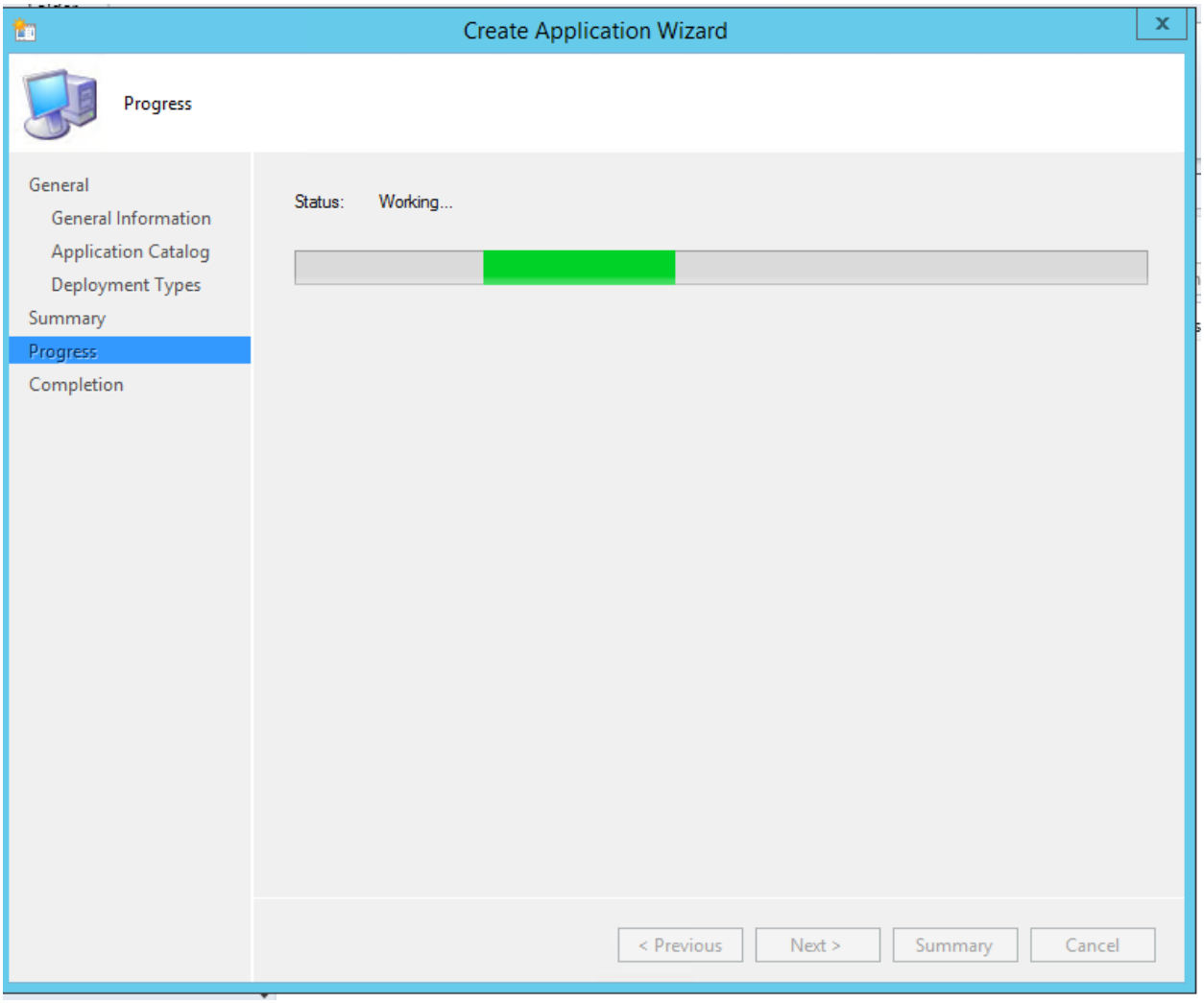

Create Deployment Type Wizard
Dependencies
General
General Information
Content
Detection Method
User Experience
Requirements
Dependencies
Summary
Progress
Completion
Specify software dependencies for this deployment type
Software dependencies are deployment types that must be installed before this deployment type can be installed.
Software dependencies:
Name
Application
Deployment Type
Automatically Install
Add...
Edit...
Delete
< Previous
Next >
Summary
Cancel

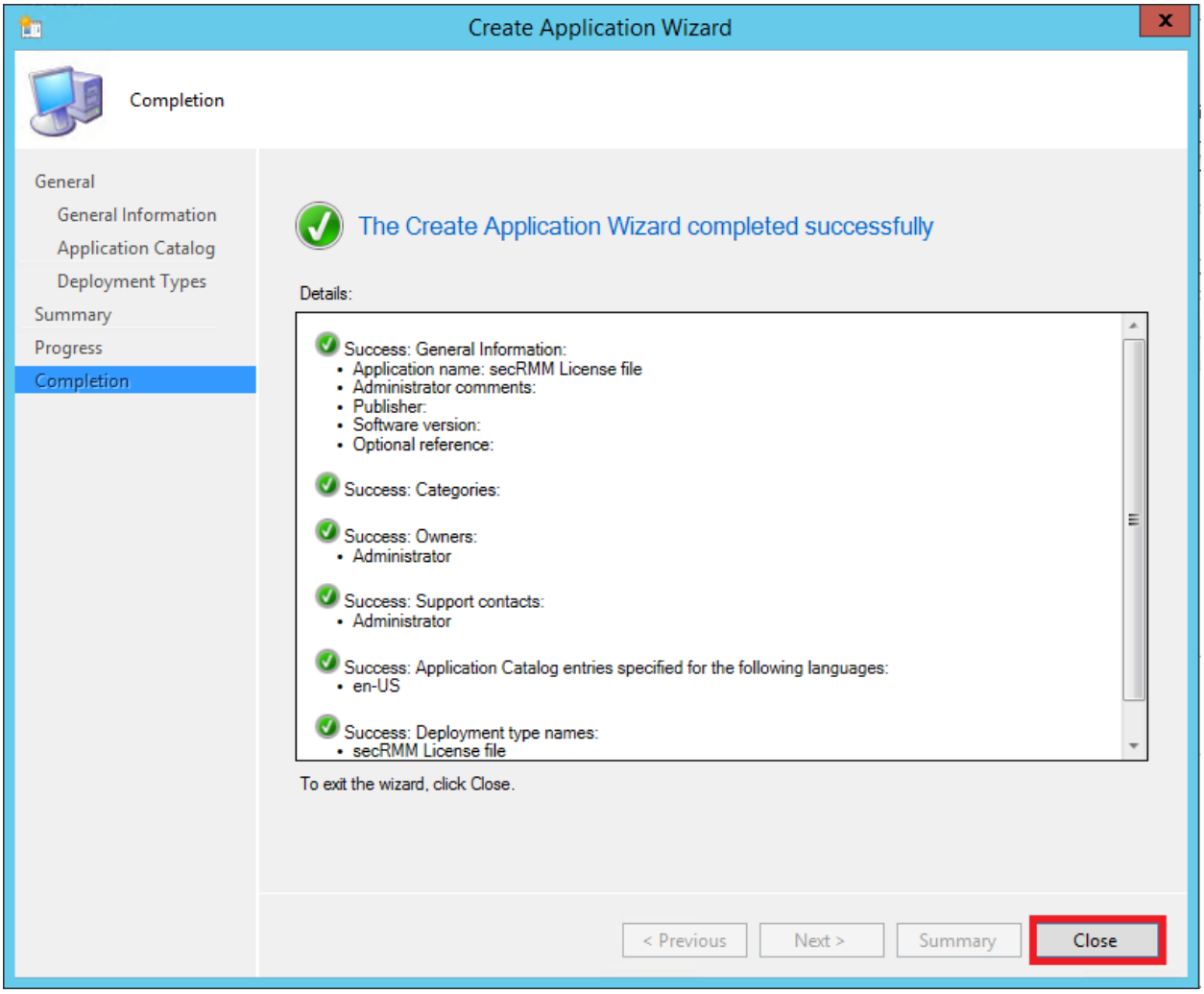

Create Deployment Type Wizard
Summary
General
General Information
Content
Detection Method
User Experience
Requirements
Dependencies
Summary
Progress
Completion
Confirm the settings for this deployment type
Details:
General Information:
Name: secRMM License file
Technology: Script Installer
Administrator comments:
Languages:
Content:
Content location: \\SCCMR2\secRMM\secRMMLicense
Persist in client cache: Yes
Enabled peer-to-peer content distribution: Yes
Installation program: "secRMMLicenseInstall.cmd"
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): 15
Estimated install time (minutes): 10
Requirements:
Dependencies:
To change these settings, click Previous. To apply the settings, click Next.
< Previous
Next >
Summary
Cancel

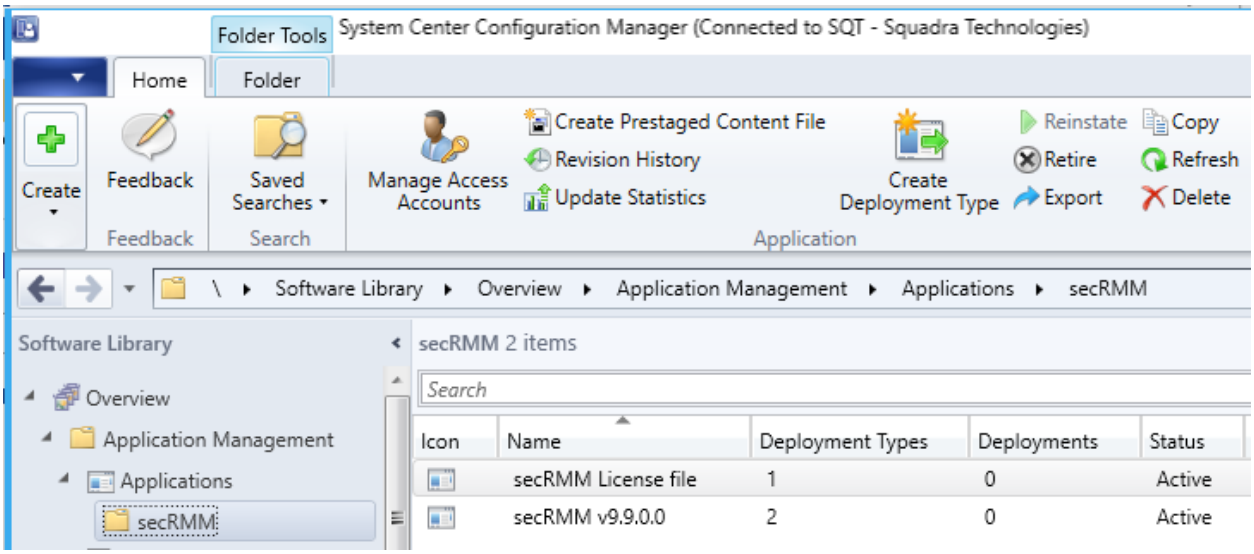

Create Deployment Type Wizard
Completion
General
General Information
Content
Detection Method
User Experience
Requirements
Dependencies
Summary
Progress
Completion
The Create Deployment Type Wizard completed successfully
Details:
Success: General Information:
Name: secRMM License file
Technology: Script Installer
Administrator comments:
Languages:
Success: Content:
Content location: \\sccmr2\secRMM\secRMMLicense
Persist in client cache: Yes
Enabled peer-to-peer content distribution: Yes
Installation program: "secRMMLicenseInstall.cmd"
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): 15
Estimated install time (minutes): 1
To exit the wizard, click Close.
< Previous
Next >
Summary
Close


Create Application Wizard
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
secRMM License file
Script
Add...
Edit...
Copy
Delete
< Previous
Next >
Summary
Cancel


Create Application Wizard
Summary
General
General Information
Application Catalog
Deployment Types
Summary
Progress
Completion
Confirm the settings for this application
Details:
General Information:
Application name: secRMM License file
Administrator comments:
Publisher:
Software version:
Optional reference:
Categories:
Owners:
Administrator
Support contacts:
Administrator
Application Catalog entries specified for the following languages:
en-US
Deployment type names:
secRMM License file
To change these settings, click Previous. To apply the settings, click Next.
< Previous
Next >
Summary
Cancel

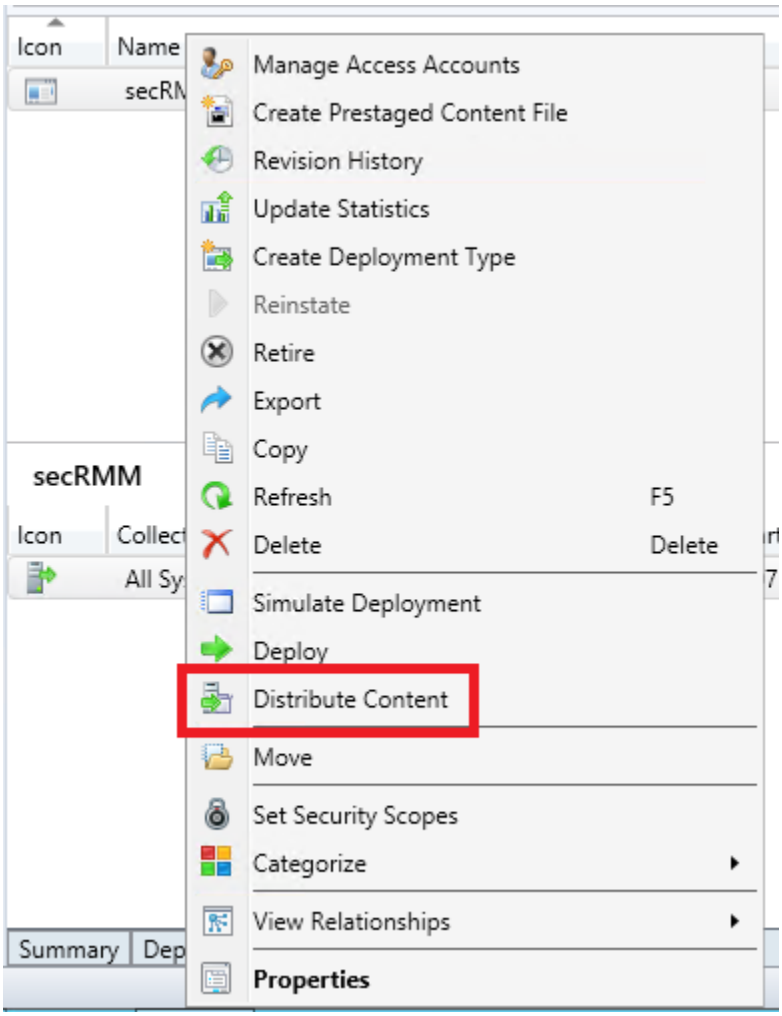

Create Application Wizard
Progress
General
General Information
Application Catalog
Deployment Types
Summary
Progress
Completion
Status: Working...
< Previous
Next >
Summary
Cancel

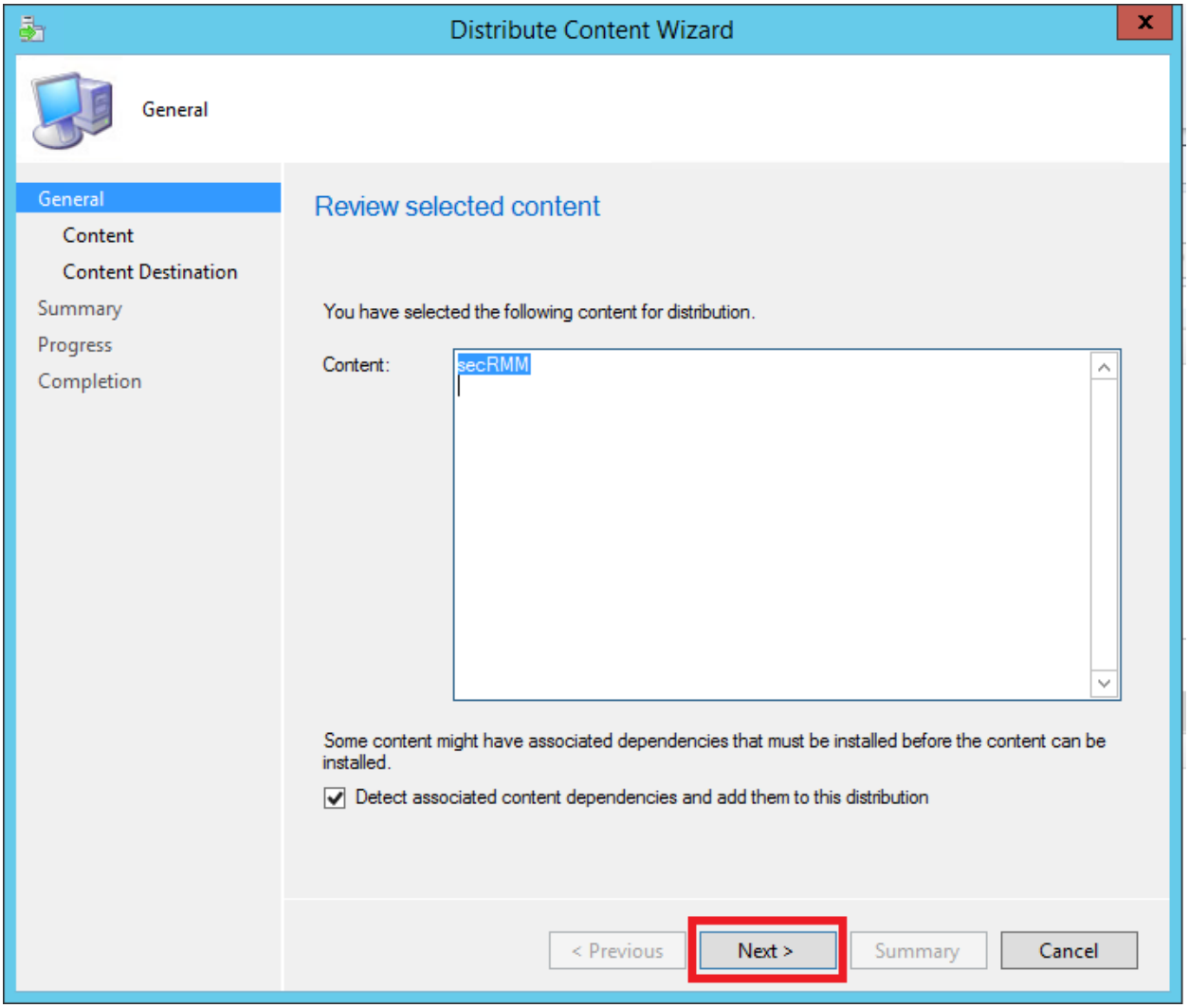

Create Application Wizard
Completion
General
General Information
Application Catalog
Deployment Types
Summary
Progress
Completion
The Create Application Wizard completed successfully
Details:
Success: General Information:
Application name: secRMM License file
Administrator comments:
Publisher:
Software version:
Optional reference:
Success: Categories:
Success: Owners:
Administrator
Success: Support contacts:
Administrator
Success: Application Catalog entries specified for the following languages:
en-US
Success: Deployment type names:
secRMM License file
To exit the wizard, click Close.
< Previous
Next >
Summary
Close

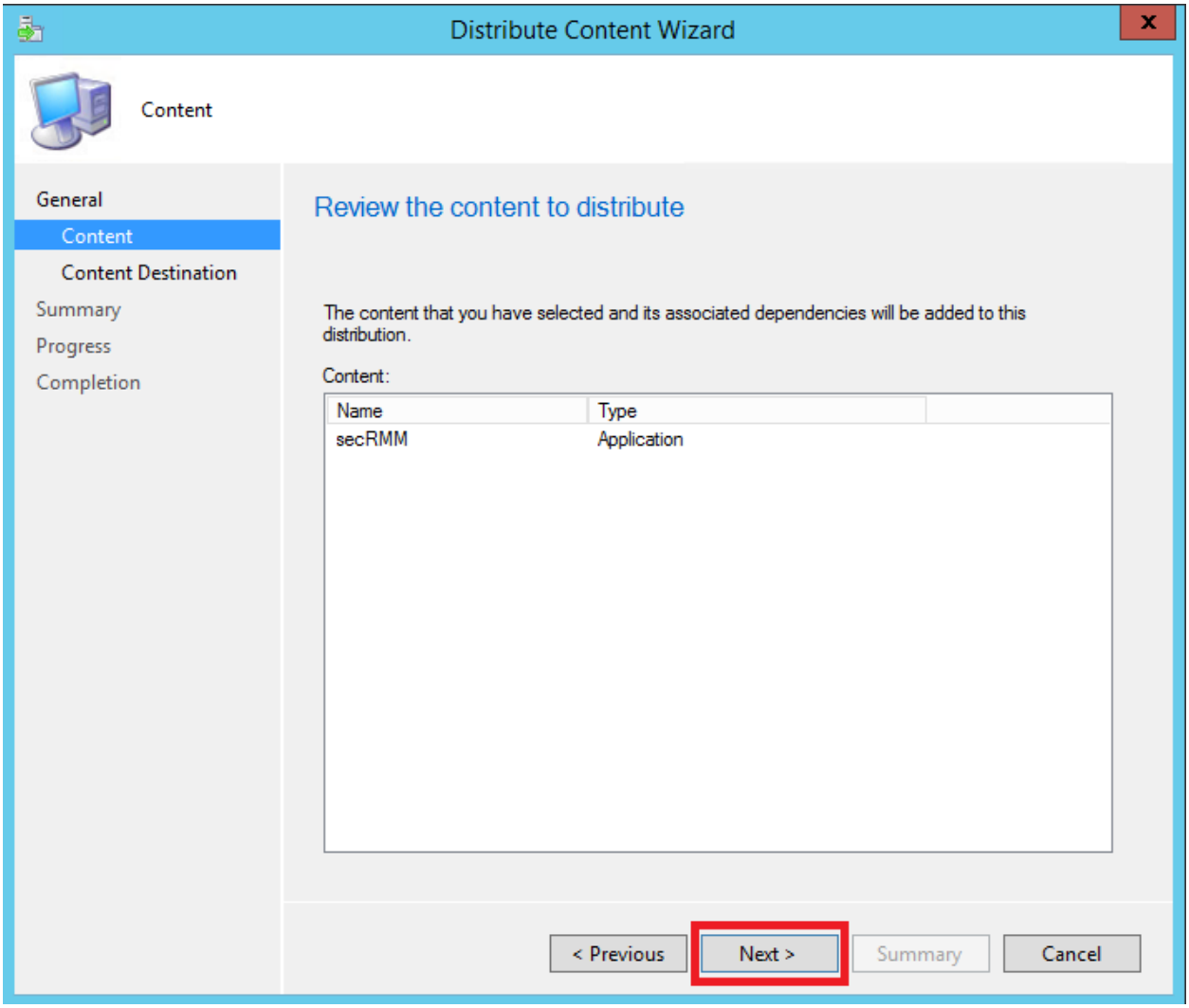

Folder Tools
System Center Configuration Manager (Connected to SQT - Squadra Technologies)
Home
Folder
Create
Feedback
Saved Searches
Manage Access Accounts
Create Prestaged Content File
Revision History
Update Statistics
Create Deployment Type
Reinstate
Retire
Export
Copy
Refresh
Delete
Feedback
Search
Application
Software Library
Overview
Application Management
Applications
secRMM
secRMM 2 items
Search
Icon
Name
Deployment Types
Deployments
Status
secRMM License file
1
0
Active
secRMM v9.9.0.0
2
0
Active

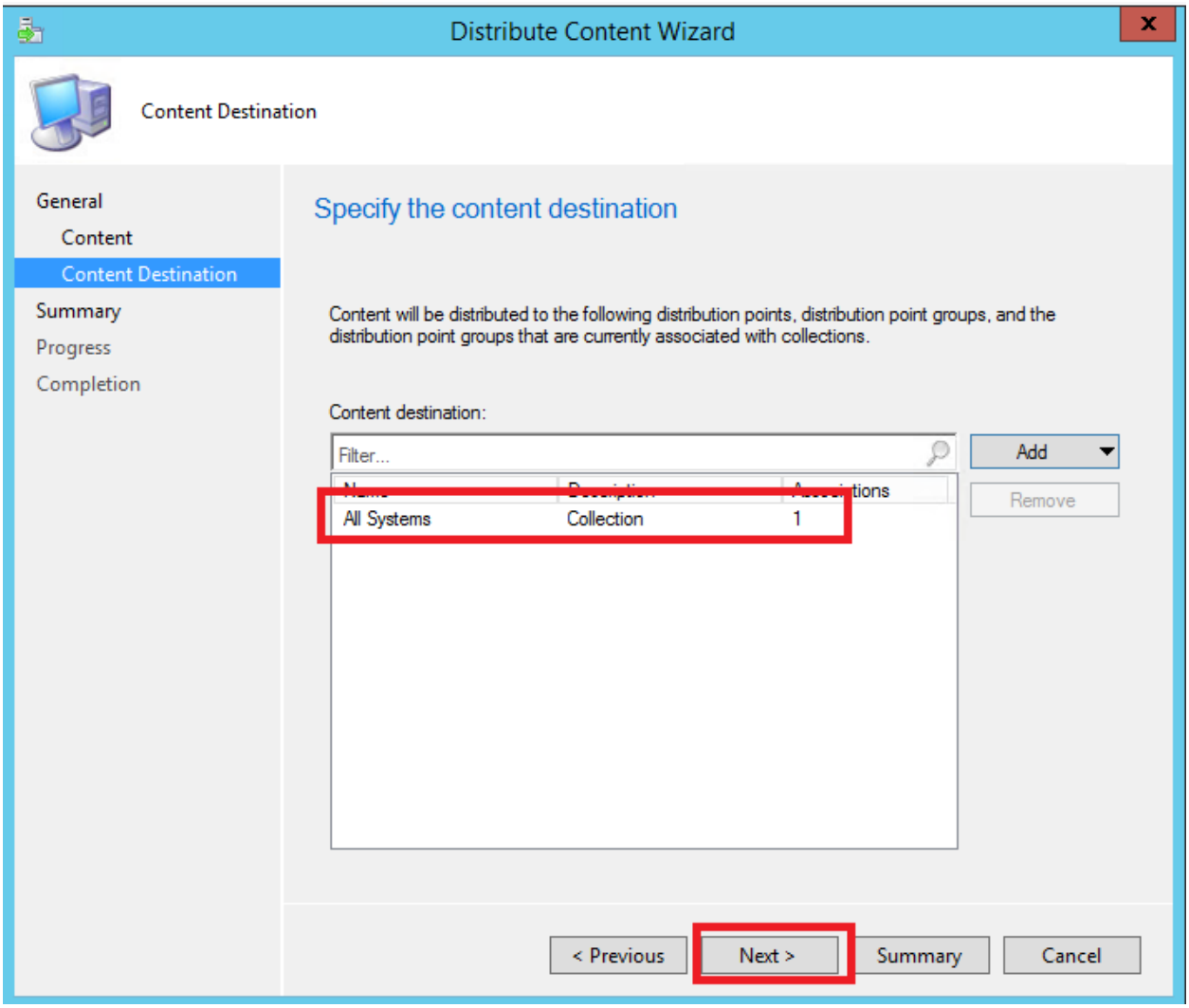
Distribute the secRMM application content to SCCM Distribution Points

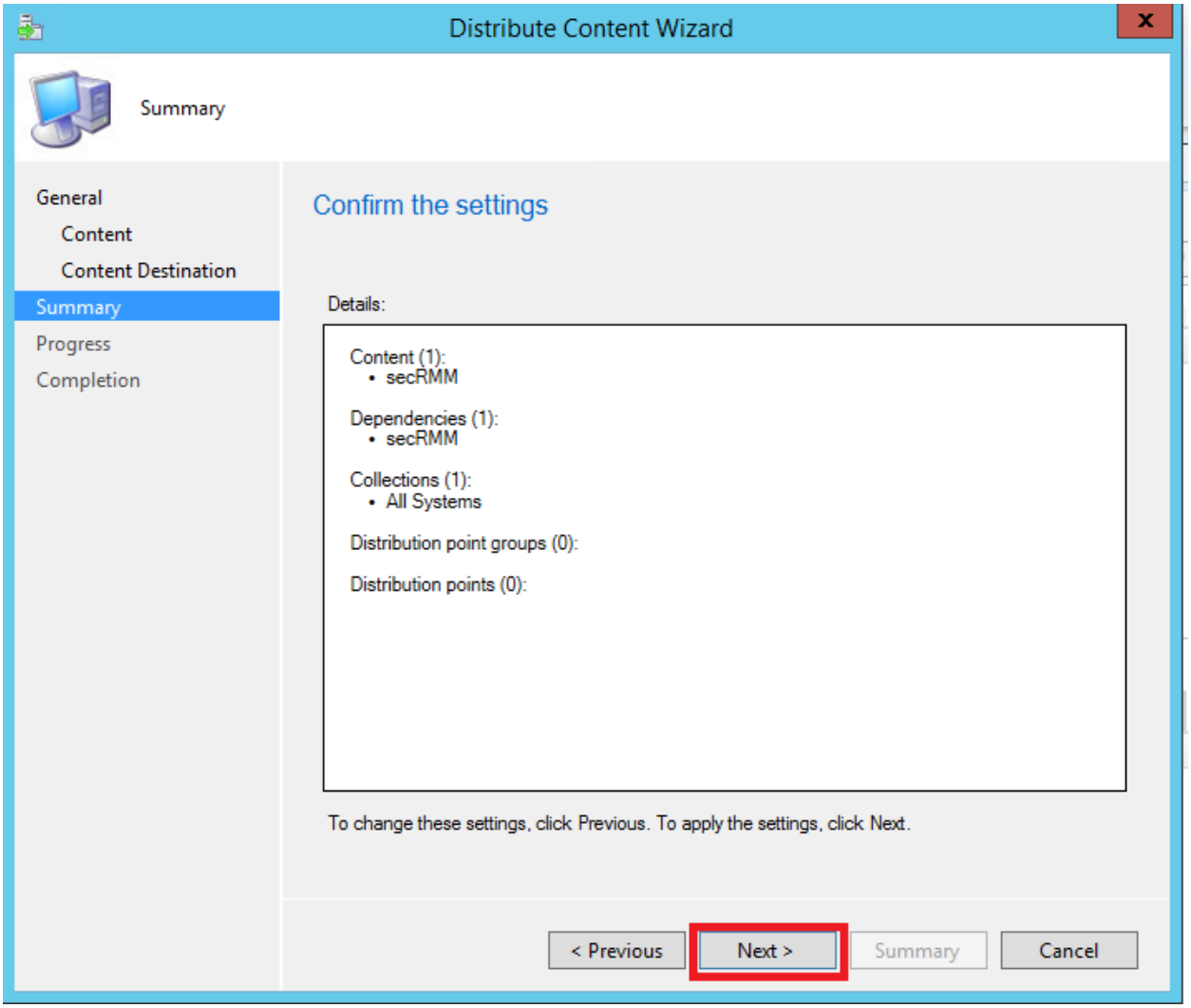
Distribute the application content to your SCCM Distribution Points. The data in the screenshots below will be much different than your environment but the screenshots will give you a general idea of how to distribute the secRMM SCCM applications.

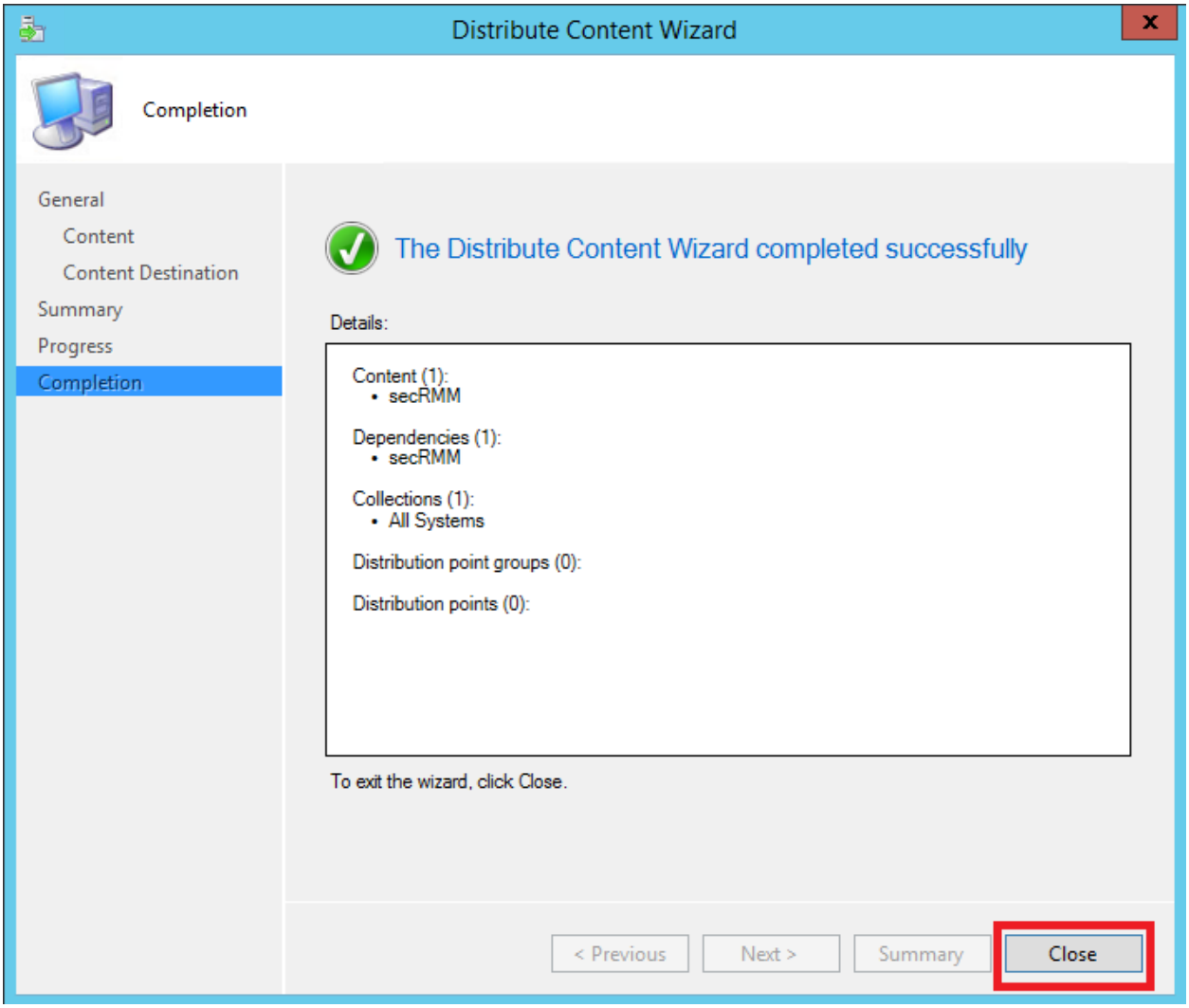



Distribute Content Wizard
General
General
Content
Content Destination
Summary
Progress
Completion
Review selected content
You have selected the following content for distribution.
Content:
secRMM
Some content might have associated dependencies that must be installed before the content can be installed.
Detect associated content dependencies and add them to this distribution
< Previous
Next >
Summary
Cancel


Distribute Content Wizard
Content
General
Content
Content Destination
Summary
Progress
Completion
Review the content to distribute
The content that you have selected and its associated dependencies will be added to this distribution.
Content:
Name
Type
secRMM
Application
< Previous
Next >
Summary
Cancel


Distribute Content Wizard
Content Destination
General
Content
Content Destination
Summary
Progress
Completion
Specify the content destination
Content will be distributed to the following distribution points, distribution point groups, and the distribution point groups that are currently associated with collections.
Content destination:
Filter...
Add
Remove
All Systems
Collection
1
< Previous
Next >
Summary
Cancel

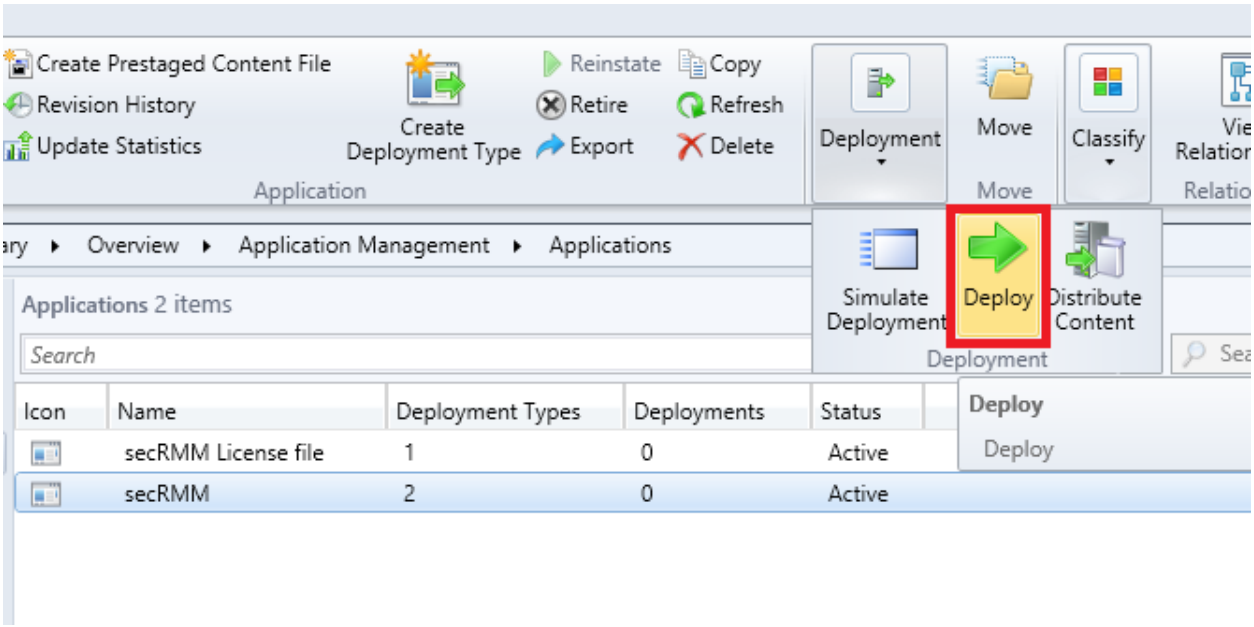

Distribute Content Wizard
Summary
General
Content
Content Destination
Summary
Progress
Completion
Confirm the settings
Details:
Content (1):
• secRMM
Dependencies (1):
• secRMM
Collections (1):
• All Systems
Distribution point groups (0):
Distribution points (0):
To change these settings, click Previous. To apply the settings, click Next.
< Previous
Next >
Summary
Cancel

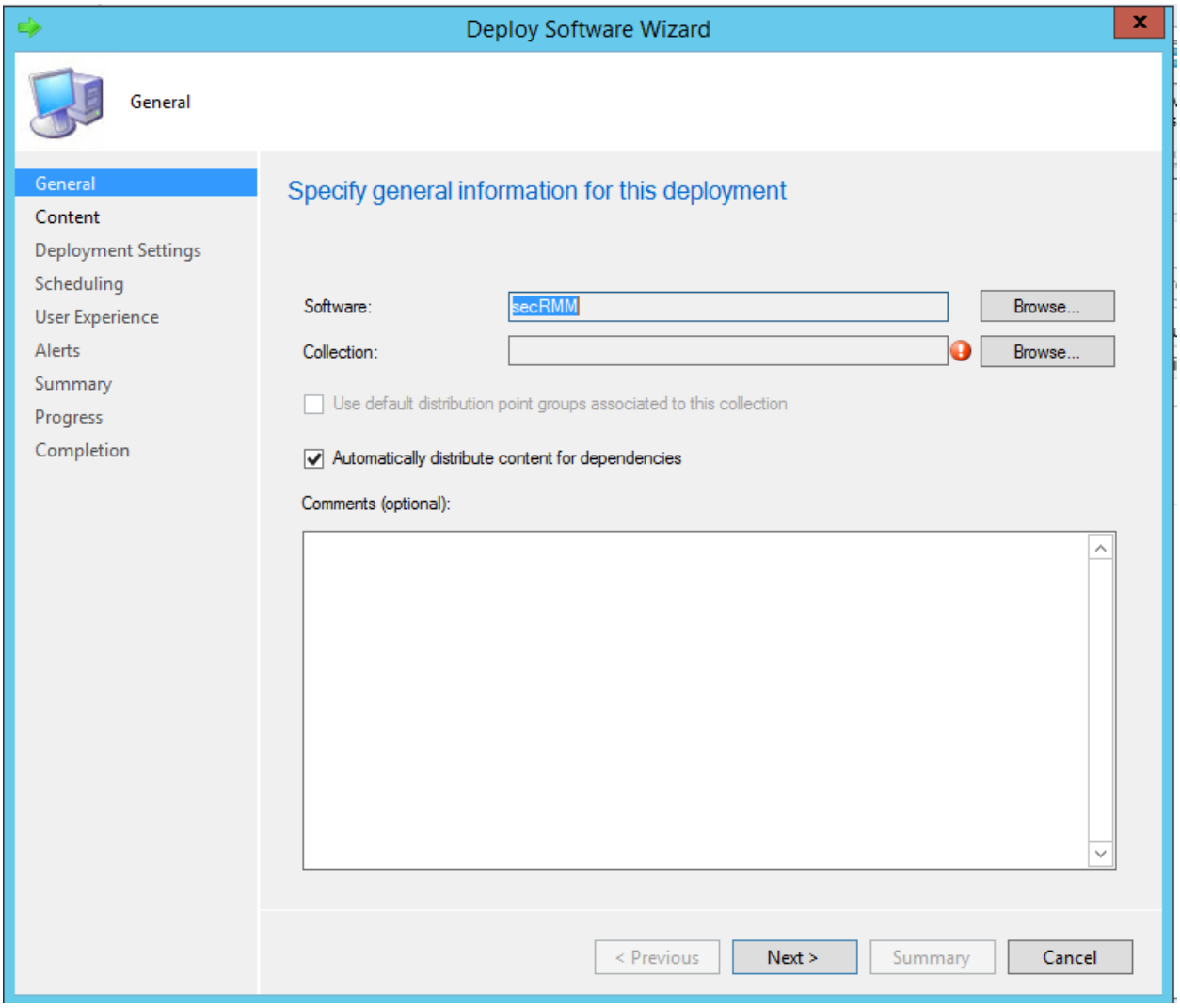


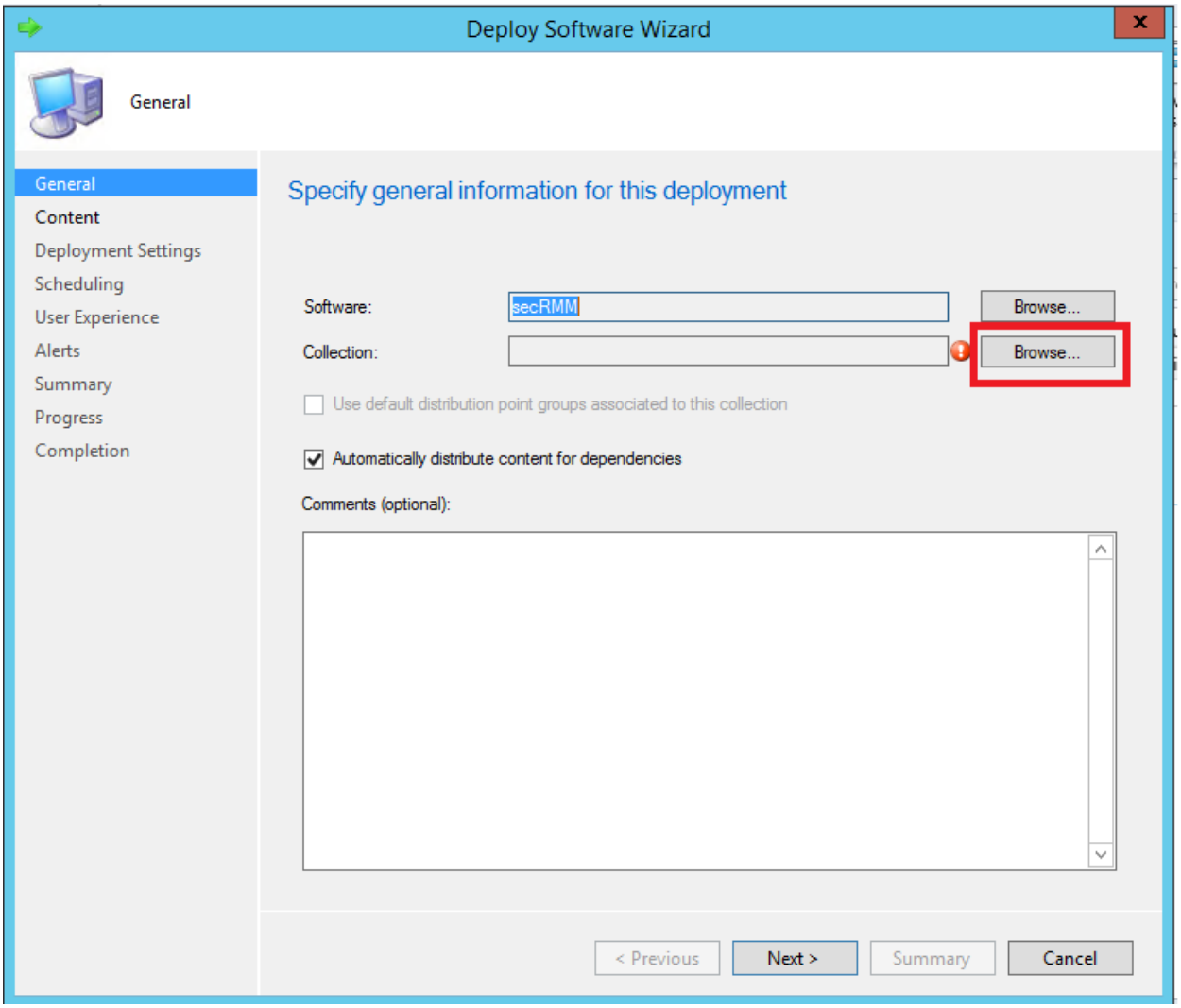
Deploy the SCCM secRMM applications

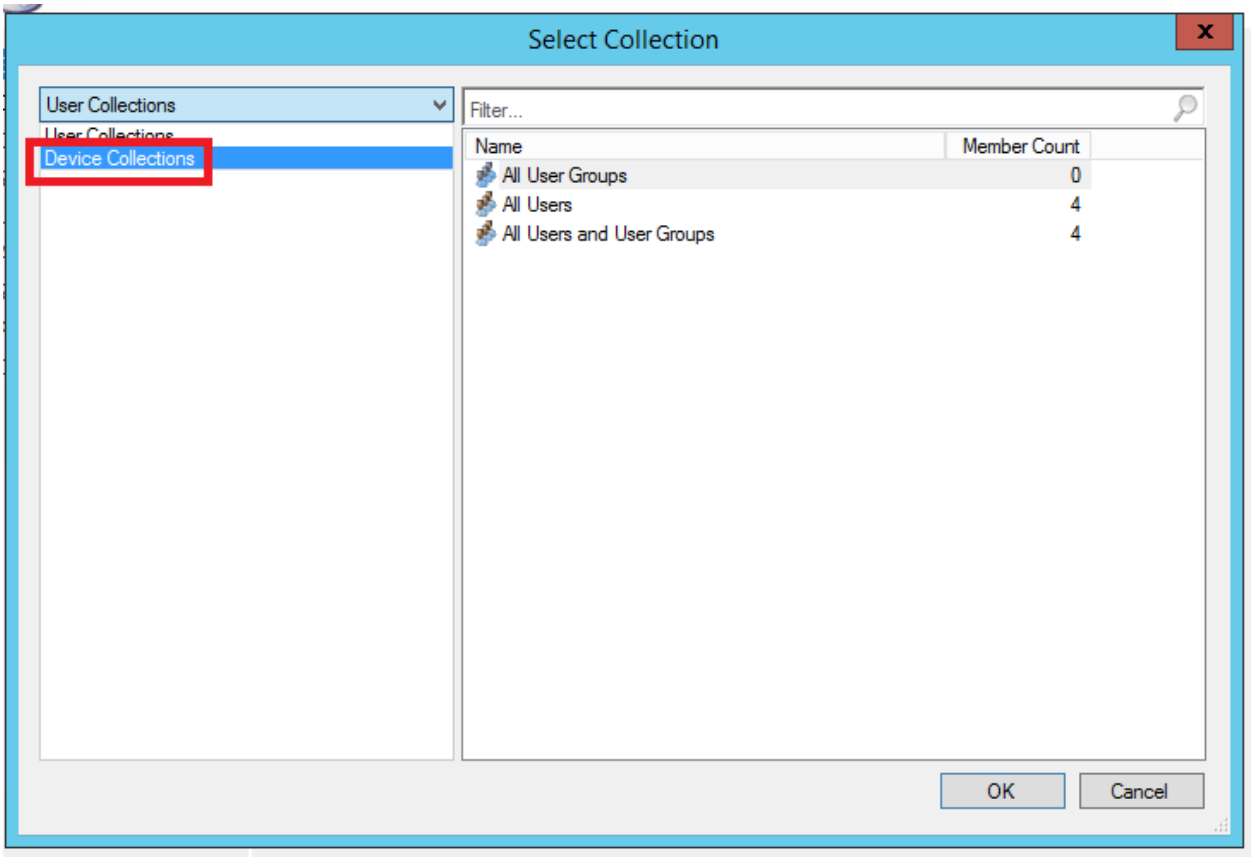
We can now deploy the two secRMM applications (the secRMM installation and the secRMM License file). The deployment for each secRMM application will be the same except on the "secRMM license file" deployment, you will tell SCCM that the "secRMM license file" deployment is dependent on the "secRMM installation" deployment. This is necessary because the installation directory for secRMM will not exist for the license file copy to occur until the secRMM software is installed on the computer.

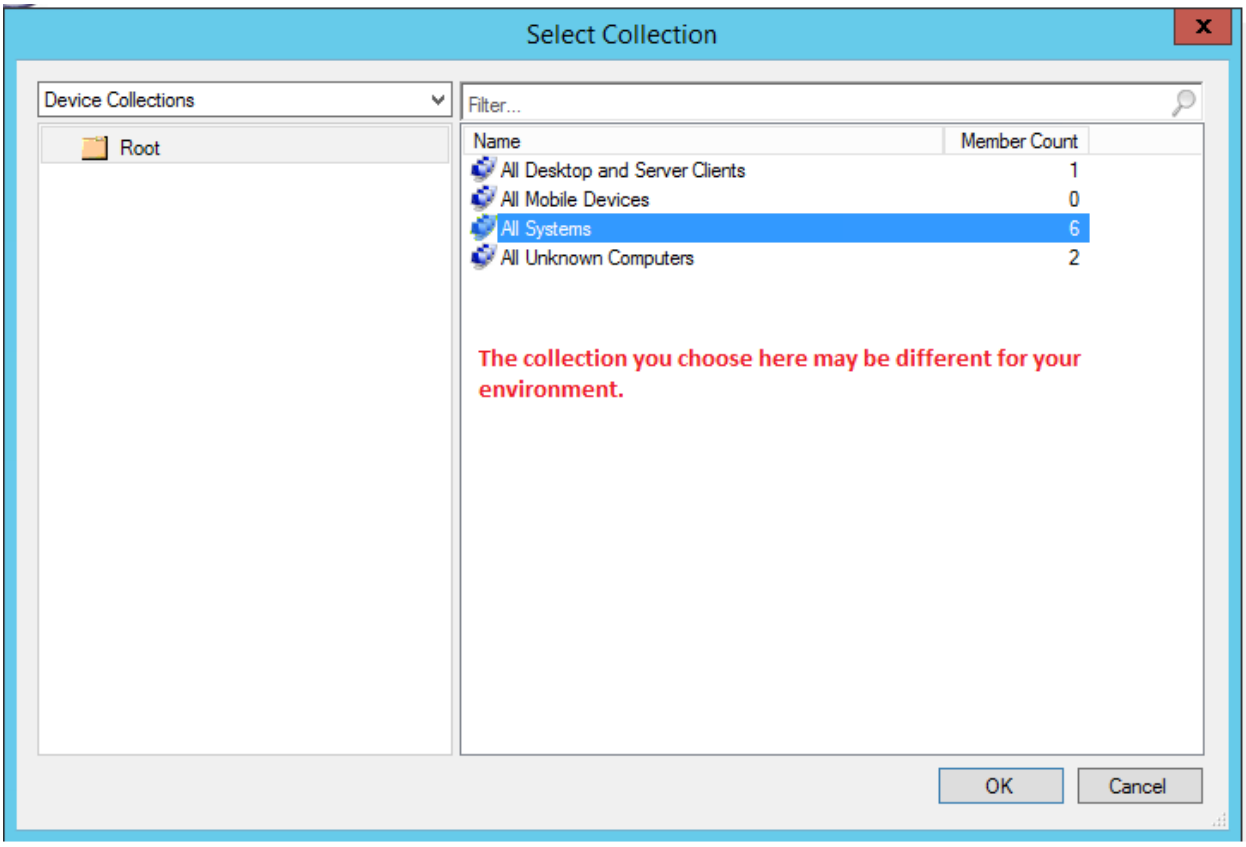
The data in the Deployment dialogs will be different in your environment since the Device collections will be different. If you are unsure of the steps to take here, please contact Squadra Technologies technical support for assistance.

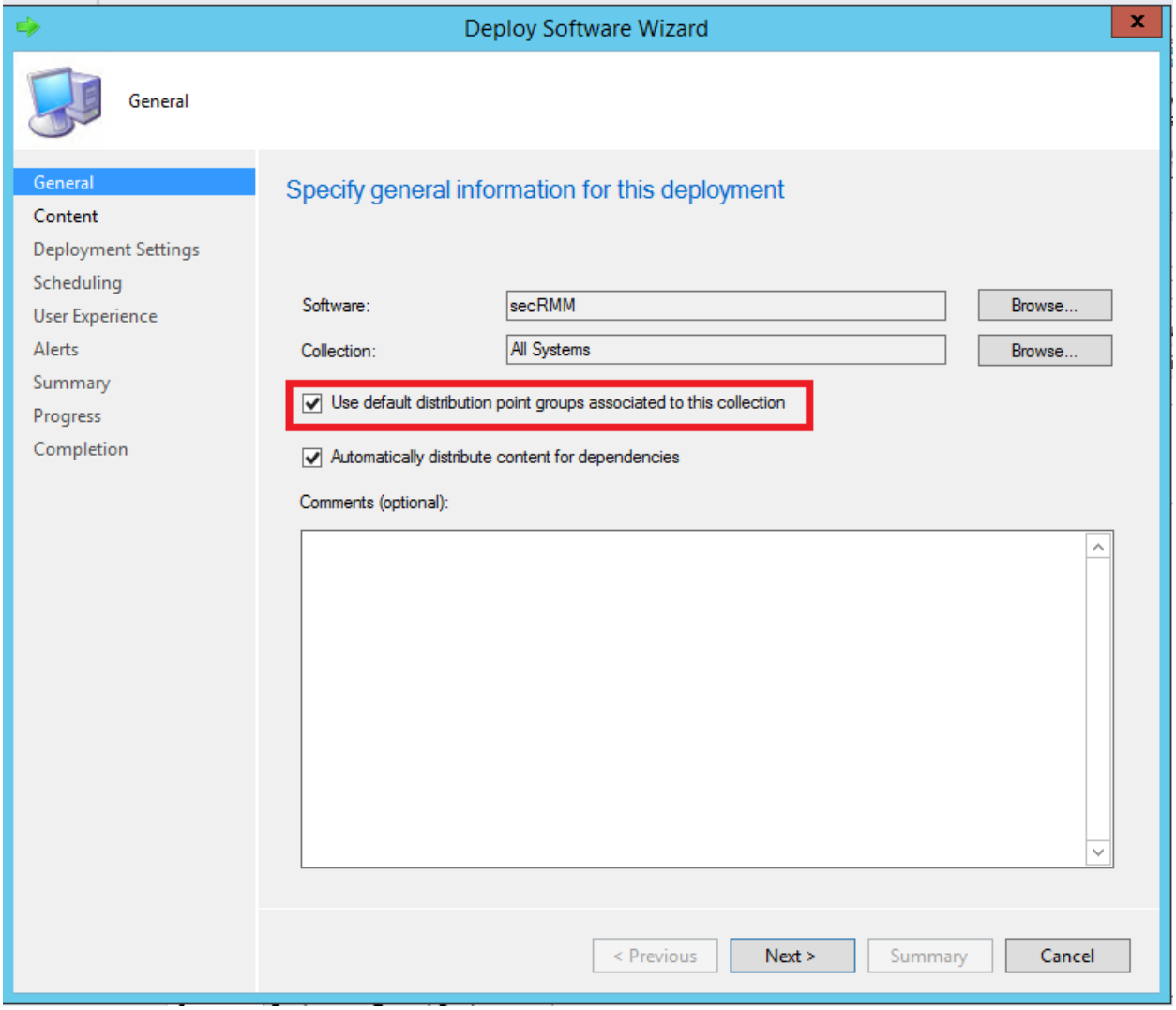

Create Prestaged Content File
Revision History
Update Statistics
Create Deployment Type
Reinstate
Retire
Export
Copy
Refresh
Delete
Application
Deployment
Move
Classify
Move
Overview
Application Management
Applications
Simulate Deployment
Deploy
Distribute Content
Deployment
Applications 2 items
Search
Icon
Name
Deployment Types
Deployments
Status
secRMM License file
1
0
Active
secRMM
2
0
Active
Deploy
Deploy

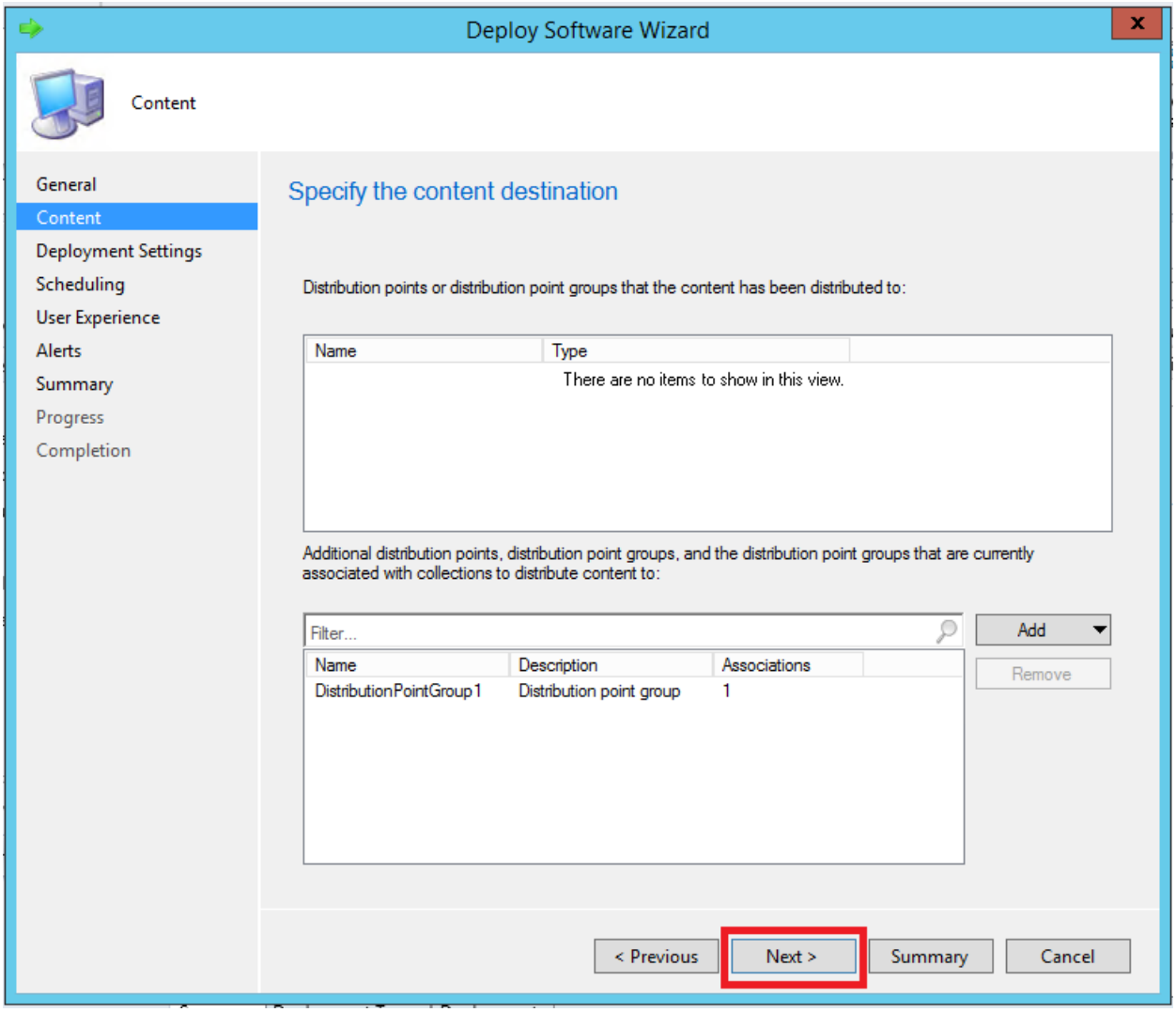

Deploy Software Wizard
General
General
Content
Deployment Settings
Scheduling
User Experience
Alerts
Summary
Progress
Completion
Specify general information for this deployment
Software:
secRMM
Browse...
Collection:
Browse...
Use default distribution point groups associated to this collection
Automatically distribute content for dependencies
Comments (optional):
< Previous
Next >
Summary
Cancel

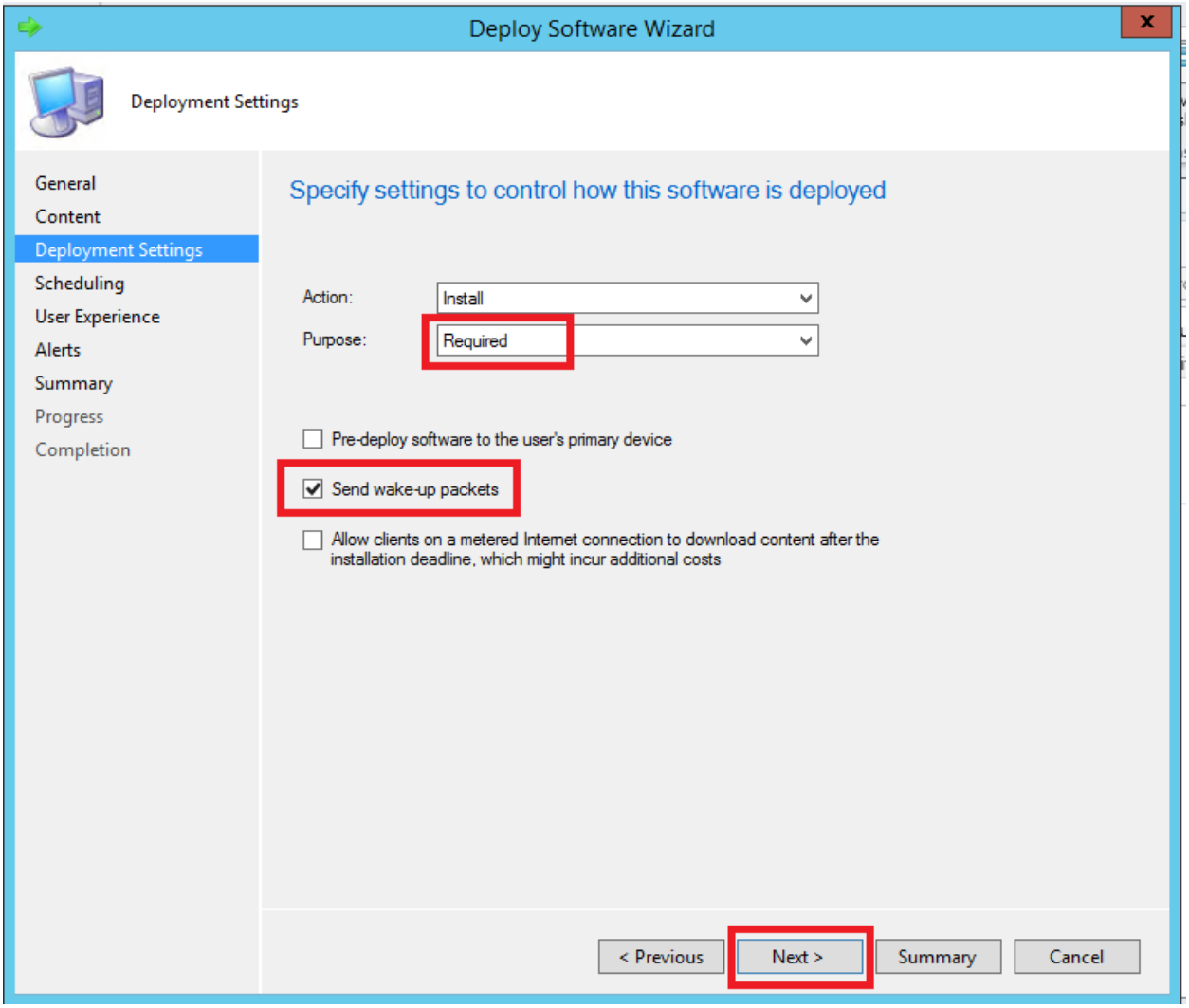

Deploy Software Wizard
General
General
Content
Deployment Settings
Scheduling
User Experience
Alerts
Summary
Progress
Completion
Specify general information for this deployment
Software:
secRMM
Browse...
Collection:
Browse...
Use default distribution point groups associated to this collection
Automatically distribute content for dependencies
Comments (optional):
< Previous
Next >
Summary
Cancel

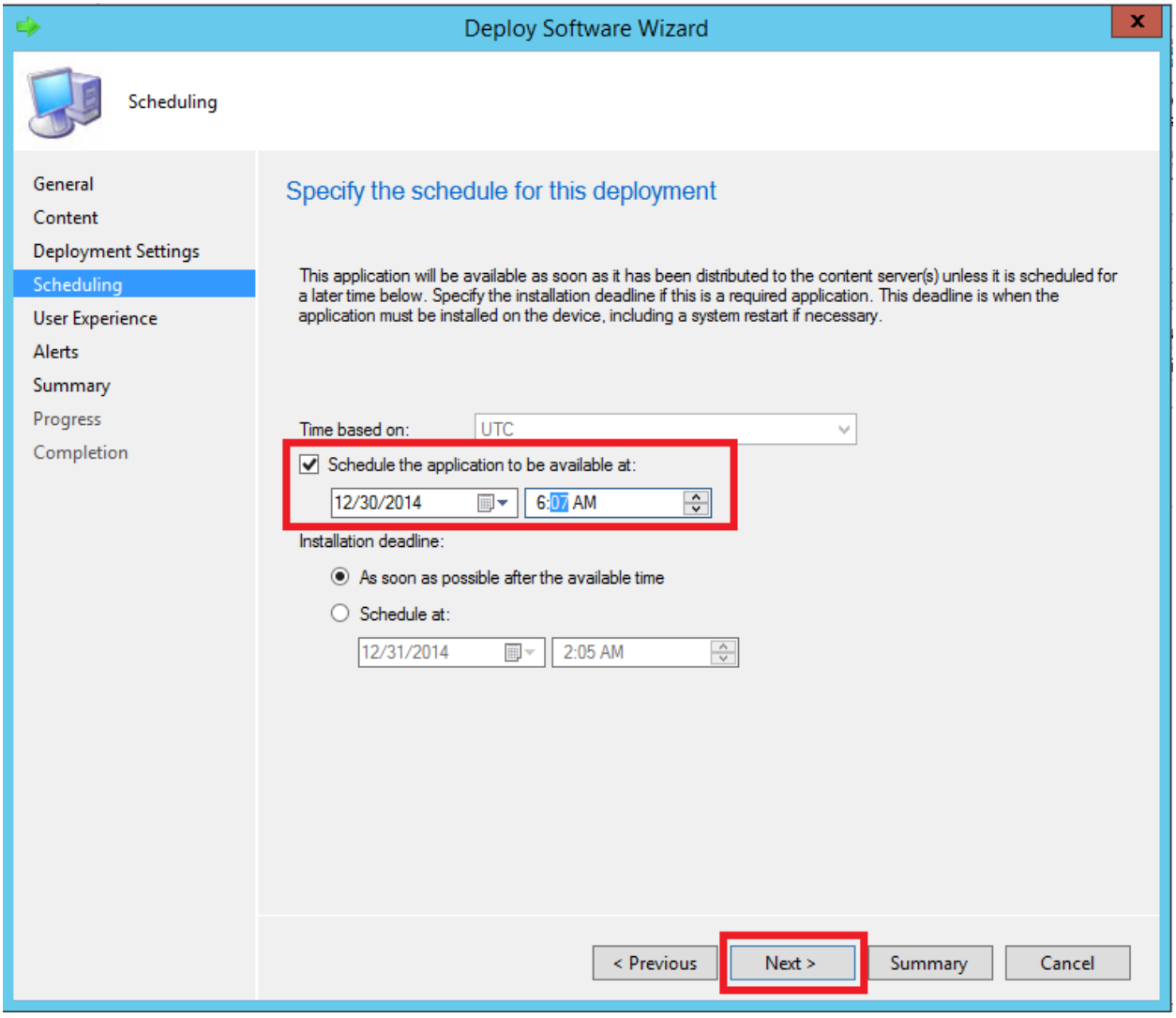

Select Collection
User Collections
Device Collections
Filter...
Name
Member Count
All User Groups
0
All Users
4
All Users and User Groups
4
OK
Cancel

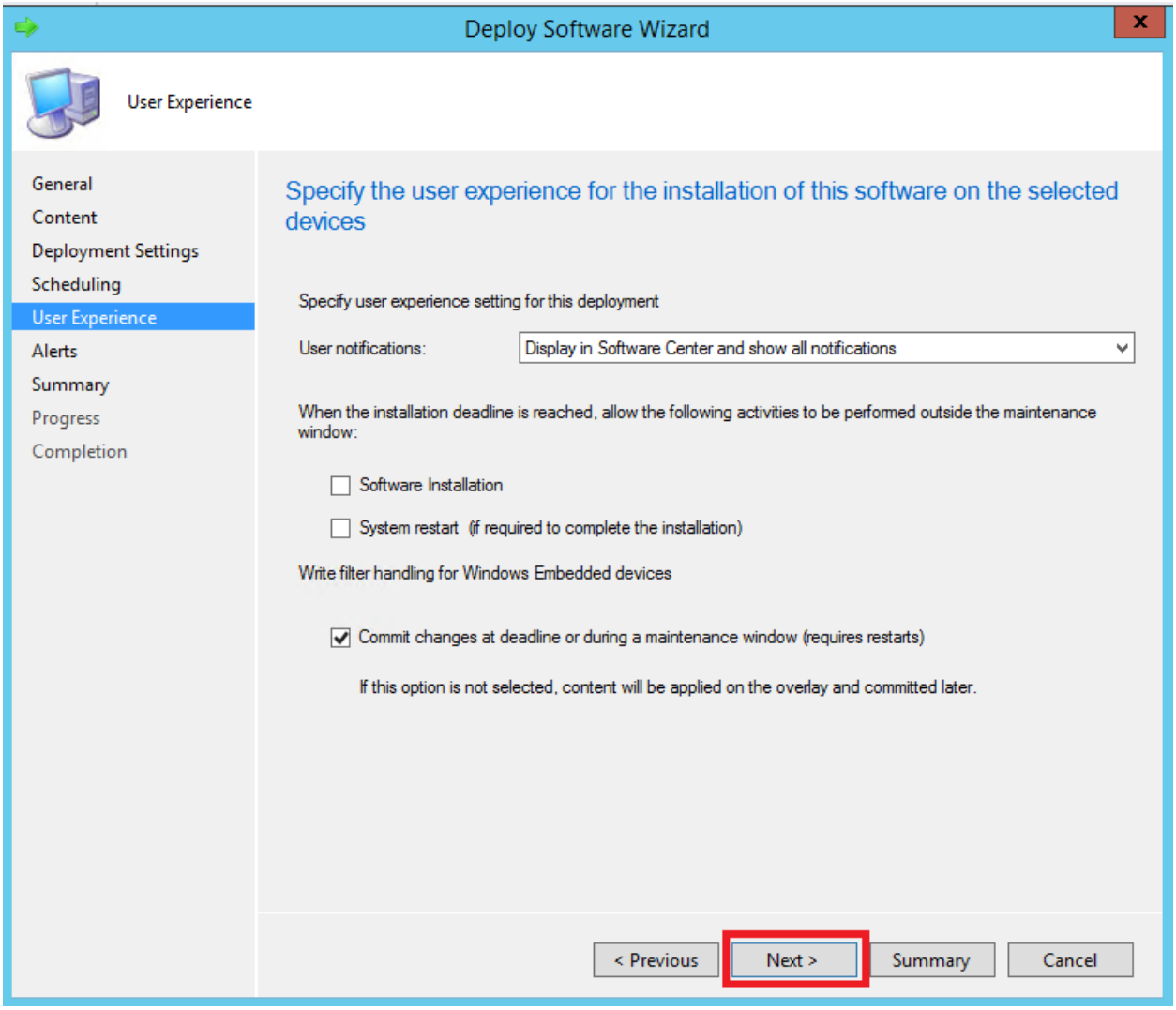

Select Collection
Device Collections
Filter...
Root
Name
Member Count
All Desktop and Server Clients
1
All Mobile Devices
0
All Systems
6
All Unknown Computers
2
The collection you choose here may be different for your environment.
OK
Cancel

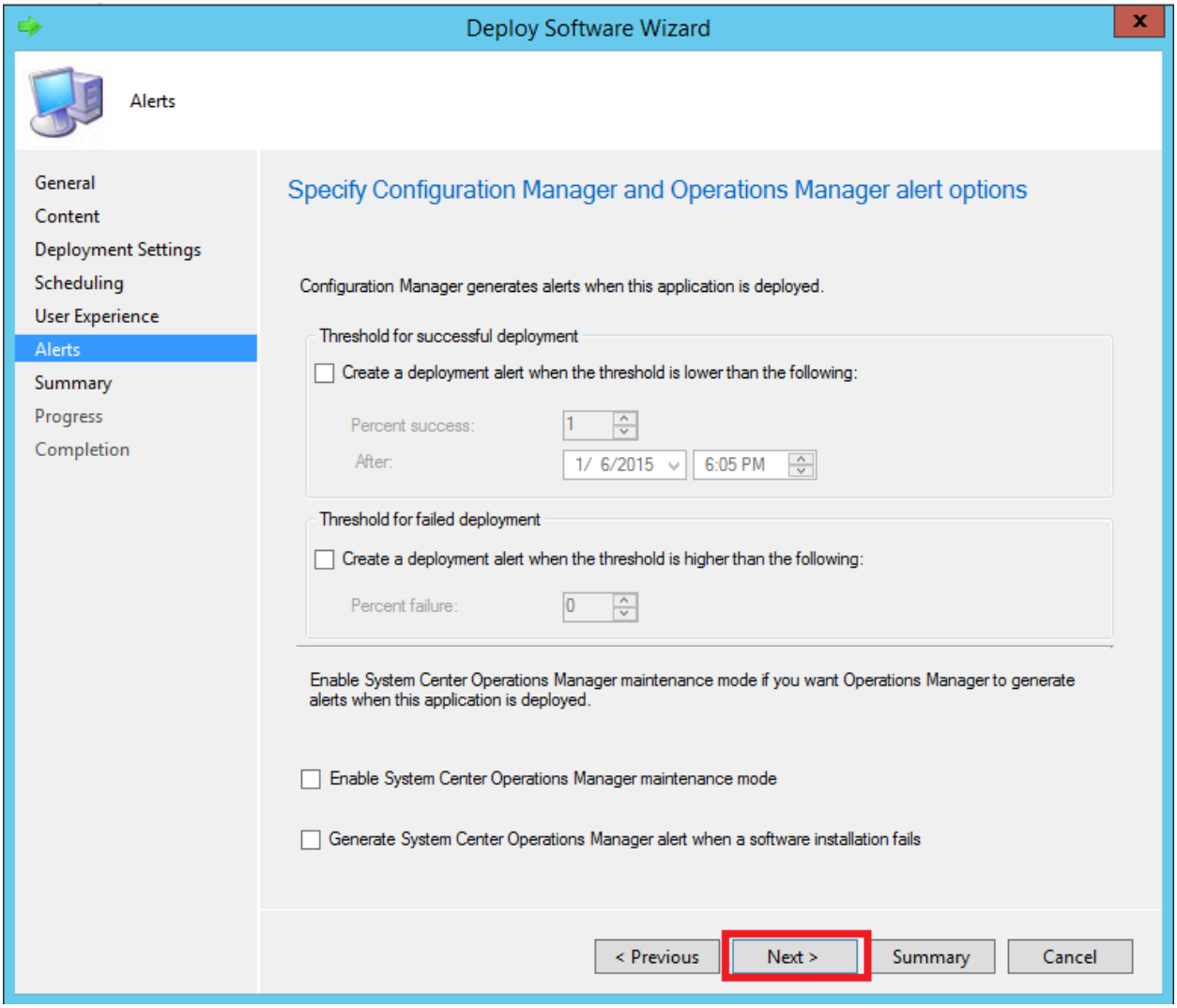

Deploy Software Wizard
General
General
Content
Deployment Settings
Scheduling
User Experience
Alerts
Summary
Progress
Completion
Specify general information for this deployment
Software:
secRMM
Browse...
Collection:
All Systems
Browse...
Use default distribution point groups associated to this collection
Automatically distribute content for dependencies
Comments (optional):
< Previous
Next >
Summary
Cancel

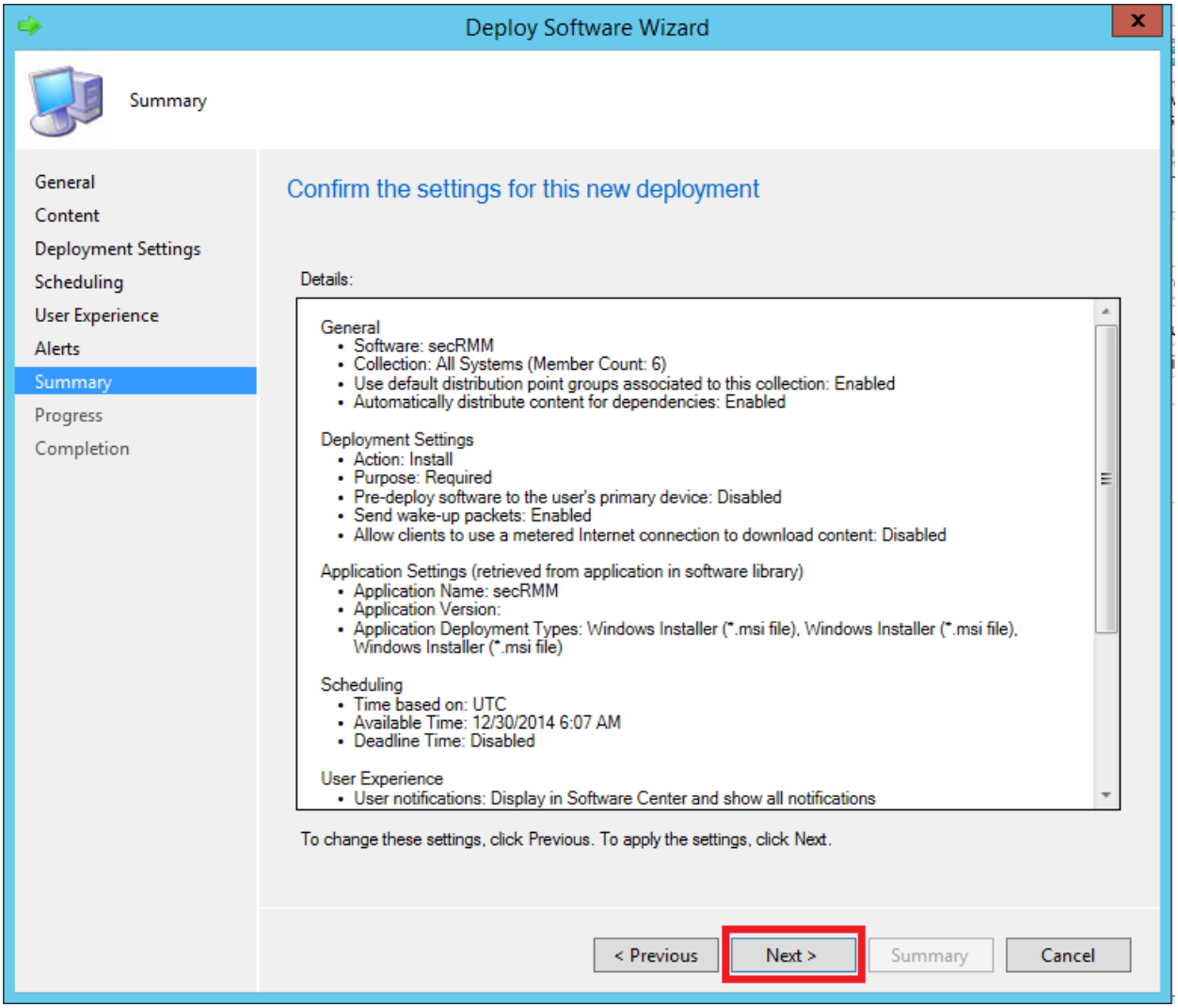

Deploy Software Wizard
Content
General
Content
Deployment Settings
Scheduling
User Experience
Alerts
Summary
Progress
Completion
Specify the content destination
Distribution points or distribution point groups that the content has been distributed to:
Name
Type
There are no items to show in this view.
Additional distribution points, distribution point groups, and the distribution point groups that are currently associated with collections to distribute content to:
Filter...
Add
Remove
Name
Description
Associations
DistributionPointGroup1
Distribution point group
1
< Previous
Next >
Summary
Cancel

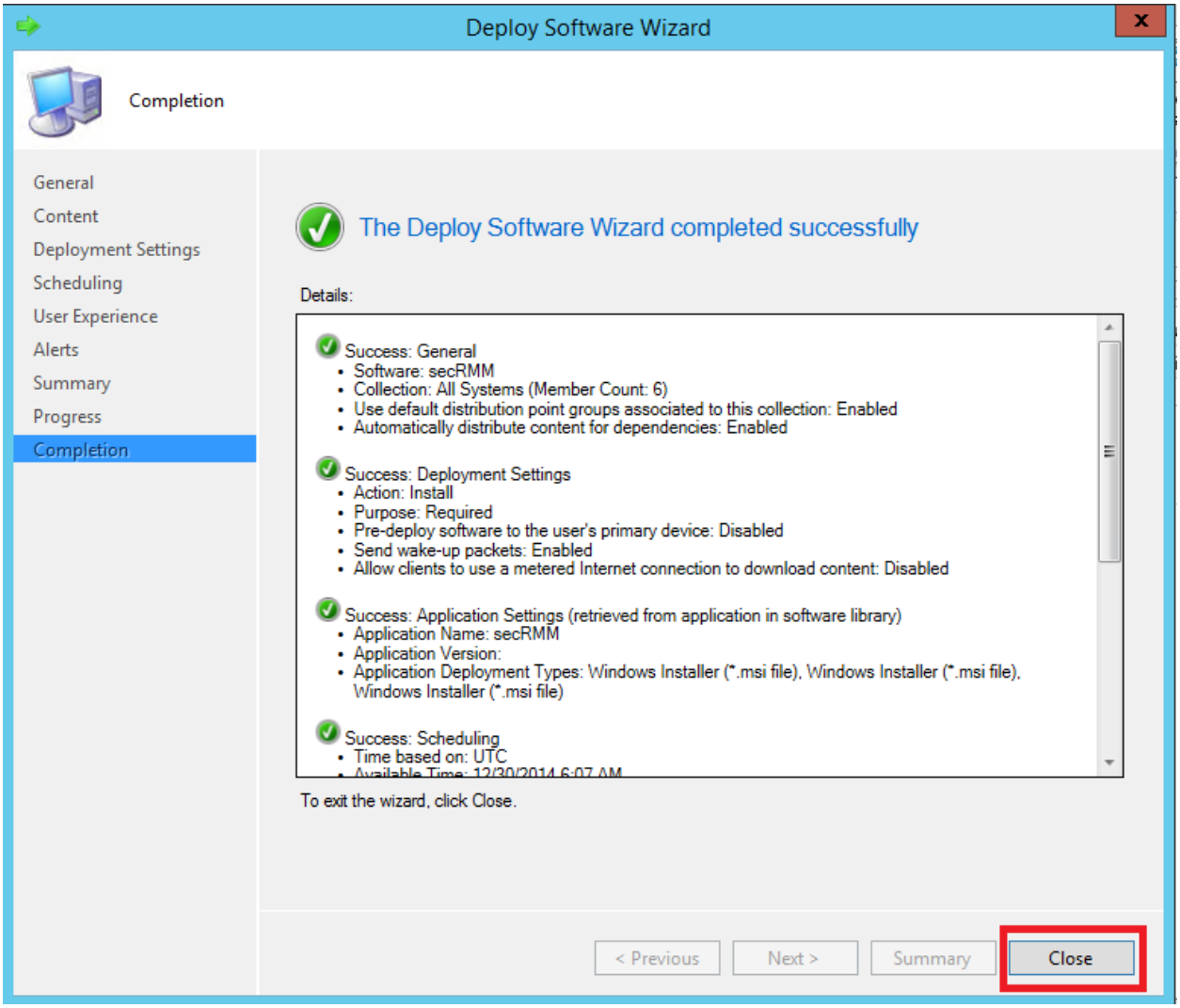

Deploy Software Wizard
Deployment Settings
General
Content
Deployment Settings
Scheduling
User Experience
Alerts
Summary
Progress
Completion
Specify settings to control how this software is deployed
Action:
Install
Purpose:
Required
Pre-deploy software to the user's primary device
Send wake-up packets
Allow clients on a metered Internet connection to download content after the installation deadline, which might incur additional costs
< Previous
Next >
Summary
Cancel


Deploy Software Wizard
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:
UTC
Schedule the application to be available at:
12/30/2014
6:07 AM
Installation deadline:
As soon as possible after the available time
Schedule at:
12/31/2014
2:05 AM
< Previous
Next >
Summary
Cancel

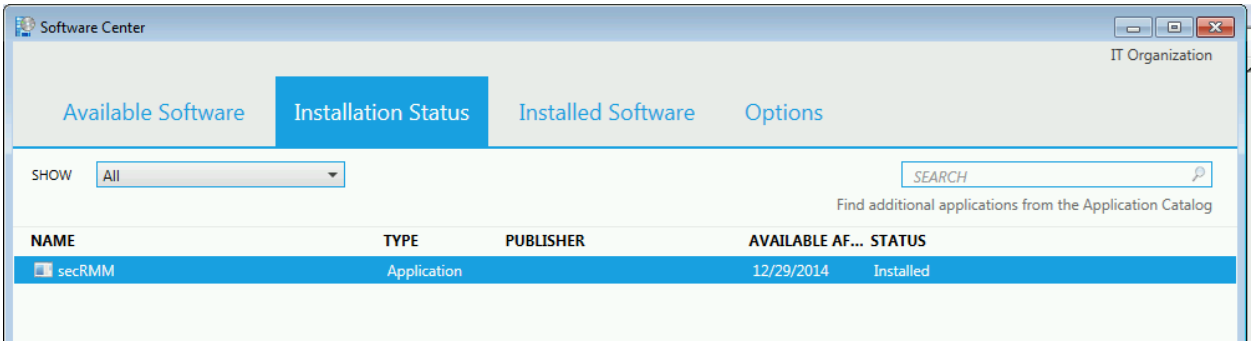

Deploy Software Wizard
User Experience
General
Content
Deployment Settings
Scheduling
User Experience
Alerts
Summary
Progress
Completion
Specify the user experience for the installation of this software on the selected devices
Specify user experience setting for this deployment
User notifications:
Display in Software Center and show all notifications
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


Deploy Software Wizard
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:
1/ 6/2015
6:05 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: secRMM
• Collection: All Systems (Member Count: 6)
• Use default distribution point groups associated to this collection: Enabled
• Automatically distribute content for dependencies: Enabled
Deployment Settings
• Action: Install
• Purpose: Required
• Pre-deploy software to the user's primary device: Disabled
• Send wake-up packets: Enabled
• Allow clients to use a metered Internet connection to download content: Disabled
Application Settings (retrieved from application in software library)
• Application Name: secRMM
• Application Version:
• Application Deployment Types: Windows Installer (*.msi file), Windows Installer (*.msi file), Windows Installer (*.msi file)
Scheduling
• Time based on: UTC
• Available Time: 12/30/2014 6:07 AM
• Deadline Time: Disabled
User Experience
• User notifications: Display in Software Center and show all notifications
To change these settings, click Previous. To apply the settings, click Next.
< Previous
Next >
Summary
Cancel



At this point, we can go to one of the targeted systems to watch the deployment.



Troubleshooting with the SCCM client logs

This section helps you troubleshoot your SCCM environment when the software does not get deployed.

secRMM License

On the SCCM client, you can see the SCCM logs at C:\Windows\CCM\Logs. For the script based deployments, you can search for the script name (secRMMLicenseInstall.cmd) in the logs named:
AppEnforce.log
DataTransferService.log

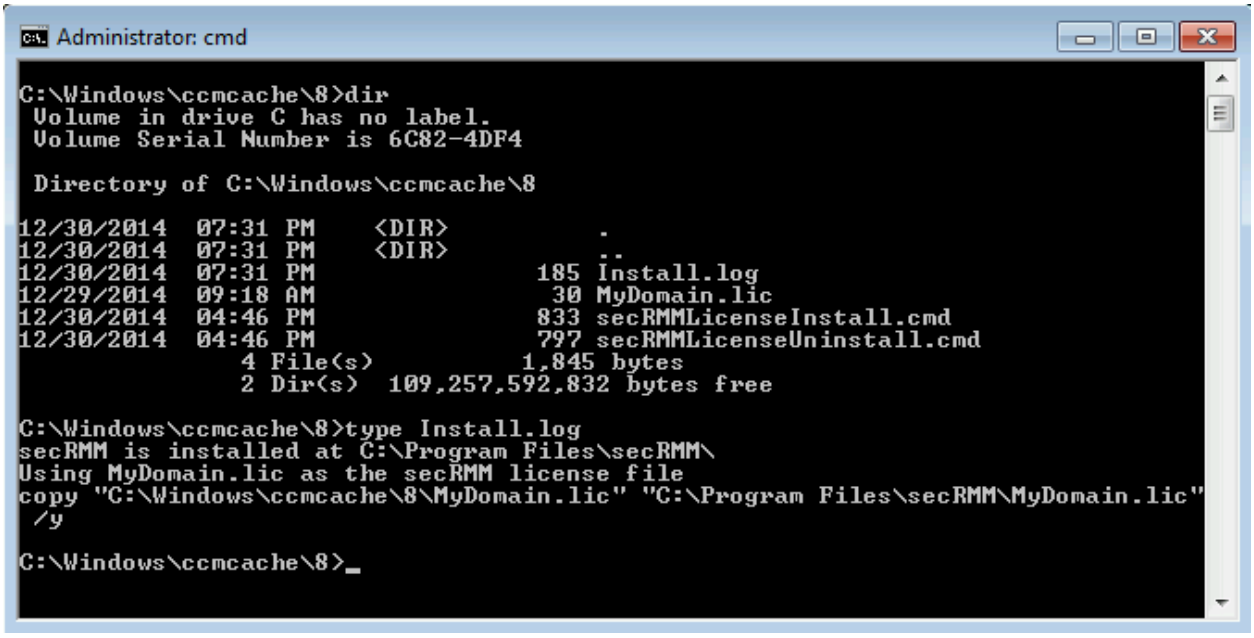
A simple way to see if the string is even occurring in any of the logs, you can type the following:

C:\Windows\CCM\Logs> **findstr /m "secRMMLicenseInstall.cmd" *.log**
AppEnforce.log
DataTransferService.log

In addition, look the directory named C:\Windows\ccmcache. Remember, for the secRMM License File Copy operation, we told SCCM to persist the scripts in the SCCM clients cache. The SCCM clients cache is the directory C:\Windows\ccmcache. Therefore, type:

dir secRMMLicenseInstall.cmd /s

in directory C:\Windows\ccmcache. This will tell you what subdirectory the script executed in. There will be a log file in that directory named Install.log and it will give you the execution results. Below is an example.



Contacting Squadra Technologies Support

Squadra Technologies Support is available to customers who have purchased a commercial version of secRMM and have a valid maintenance contract or who are in a trial mode of the product.
When you contact Support please include the following information:

1. The version of secRMM you have installed.
2. The Windows versions you have installed: XP, 2003 Server, 2008 Server R2, Vista, Windows 7, etc.
3. The version of SCCM you have installed.
4. Whether the Windows Operating System is 32bit or 64bit.
5. The specific issue you are contacting support for.

About Squadra Technologies, LLC.

Squadra Technologies delivers innovative products that help organizations get more data protection within the computer infrastructure. Through a deep expertise in IT operations and a continued focus on what works best, Squadra Technologies is helping customers worldwide.
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