



Security Removable Media Manager

SCCM/MEM

Installation Guide

Version 9.11.26.0

(January 2024)

Protect your valuable data



secRMM SCCM Installation Guide

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Squadra Technologies Excel AddIn Administrator Guide
Created - August 2011

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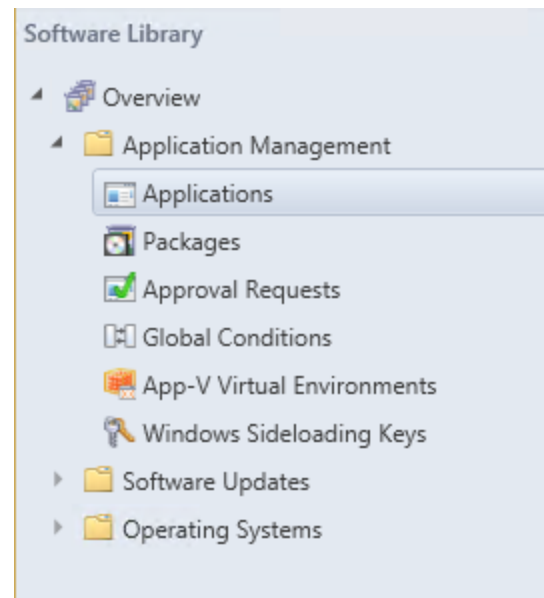
Introduction

Security Removable Media Manager (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.

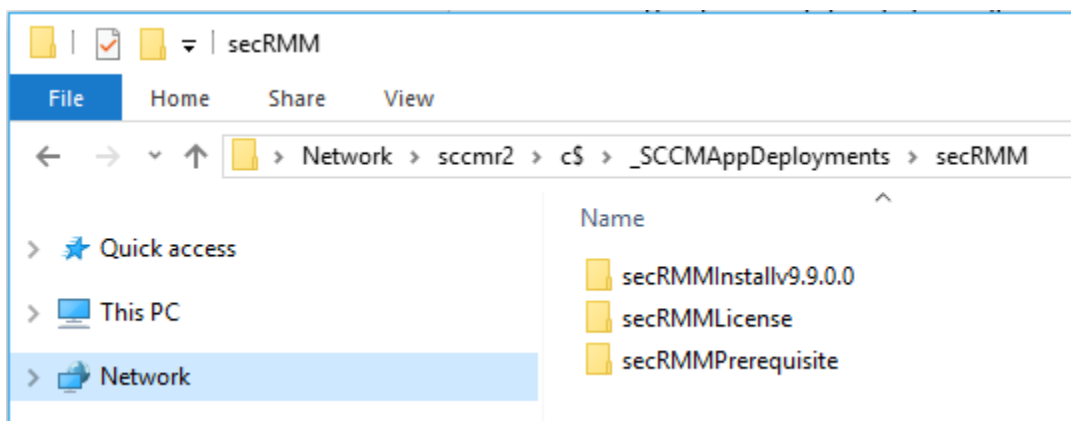


Installation of secRMM using SCCM

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:

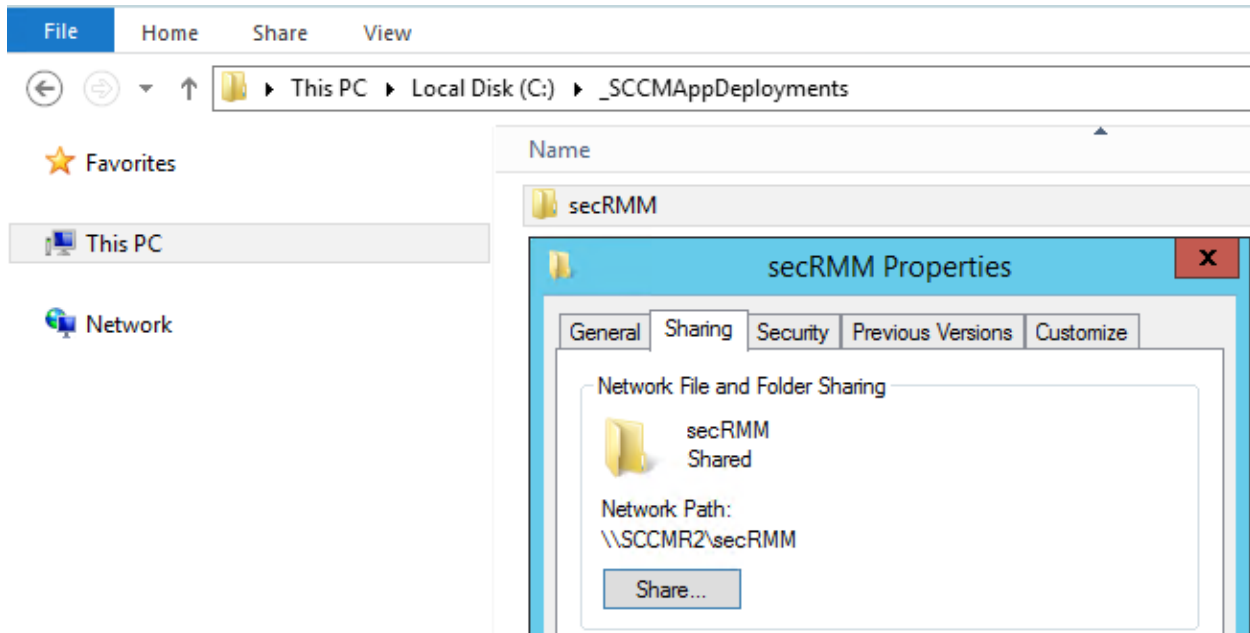
1. secRMMInstallv.x.x.x where x.x.x.x is the secRMM version number you are installing
2. secRMMLicense
3. secRMMPrerequisite



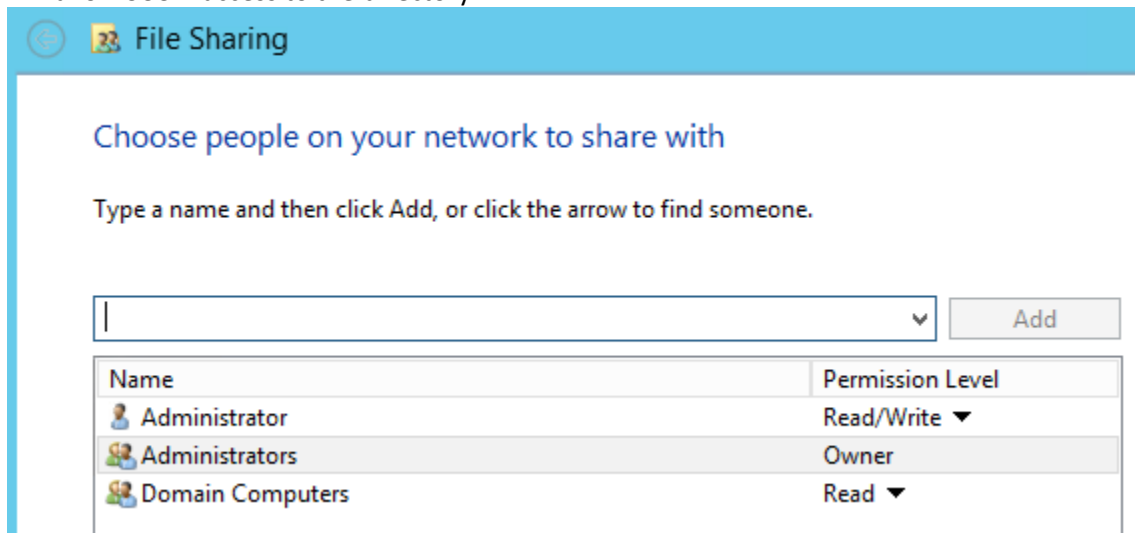
As you can see from the screenshot above, we used the SCCM site server (named sccmr2) and created the secRMM directory under the directory named _SCCMAppDeployments. We will share the directory C:_SCCMAppDeployments\secRMM so SCCM and the SCCM client computers can access it. In the screen shot below,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

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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 directory¹



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.

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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.

squadra technologies secRMM dow X +

www.squadratechnologies.com/Products/secRMM/secRMMDownloads.aspx

squadra technologies
Developed in USA

home **software** 1 hardware services partners company

secRMM 2

secRMM Downloads

Home >> secRMM >> Downloads

Download 3

Overview

Documentation

Video

Screenshots

Features

Release Notes



Please specify your information to download secRMM.

Once you click the submit button below, you will be redirected to the download page.

First Name 4

Last Name 4

E-mail

Company

Phone #

Country

Submit 5

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

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secRMMInstallx86.zip will contain secRMMInstallx86.msi.

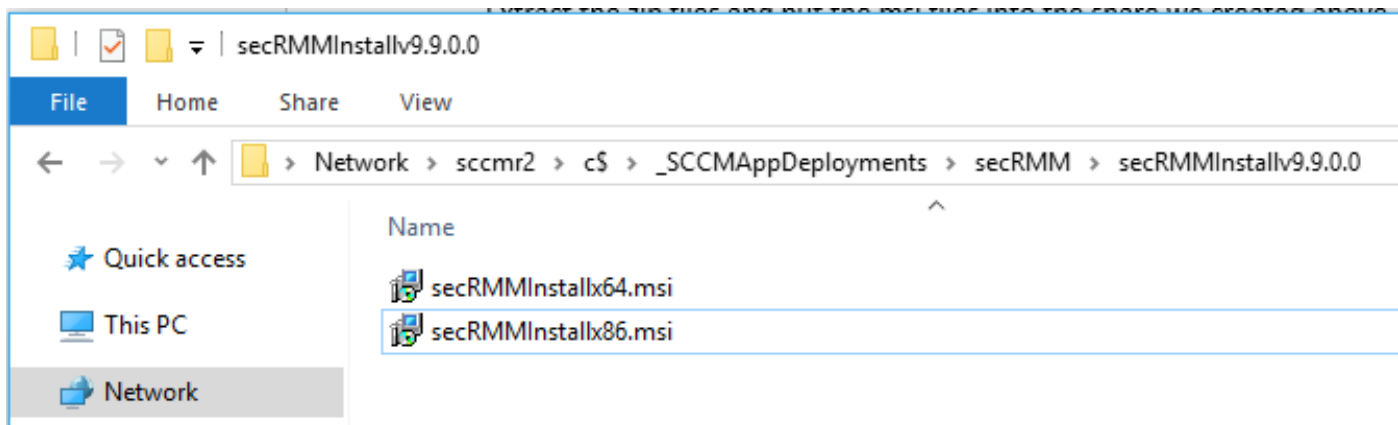
Please select a link(s) from the list below. Fully functional 30 day free trial.

Item	Download link
Prerequisite: 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.



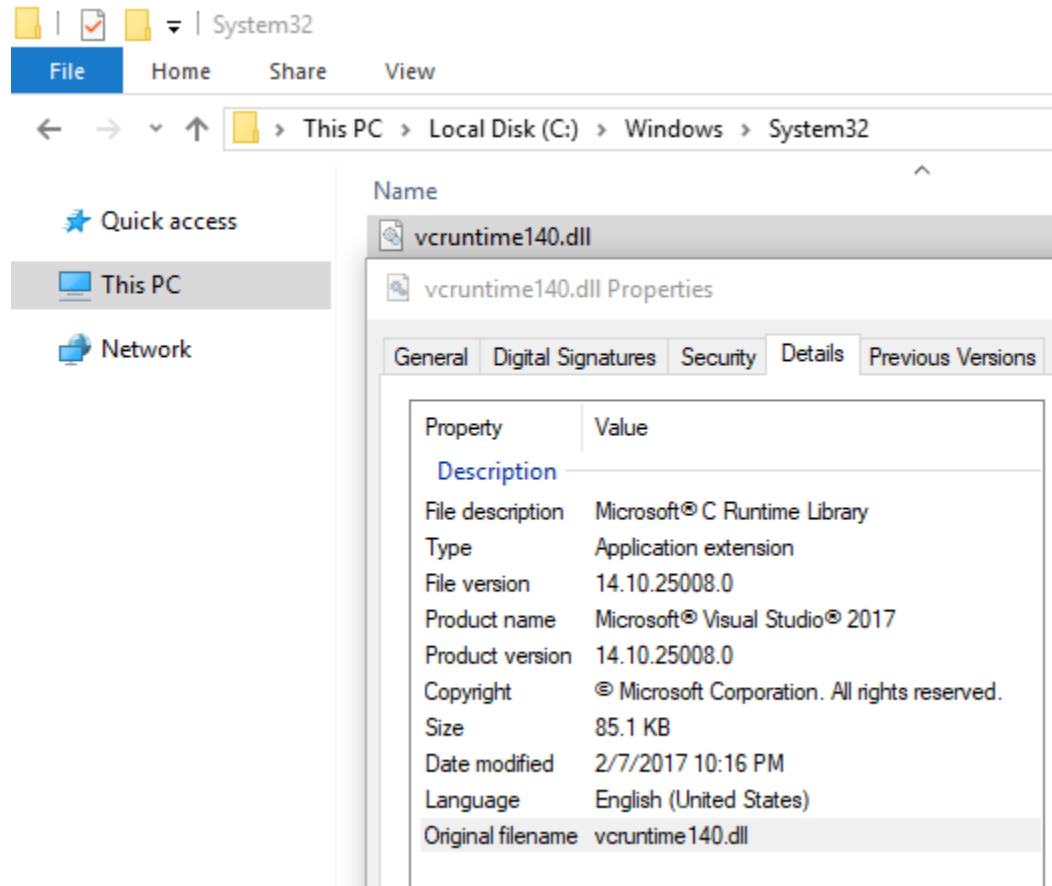
Download the Microsoft Prerequisite software

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).

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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.

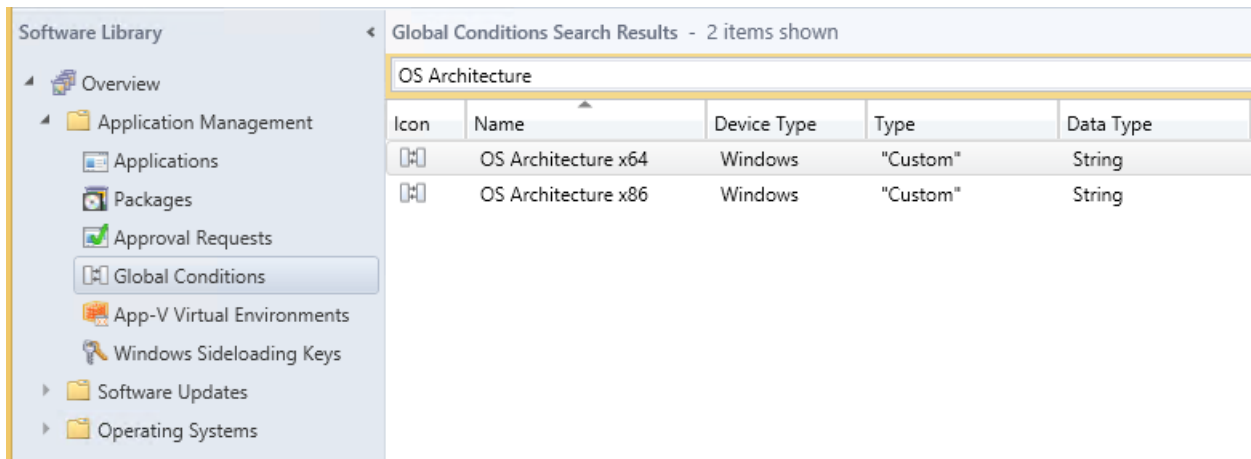
Create SCCM Global Conditions

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 computers². 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.

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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'

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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 x64

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 = '64-bit'

OK Cancel

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

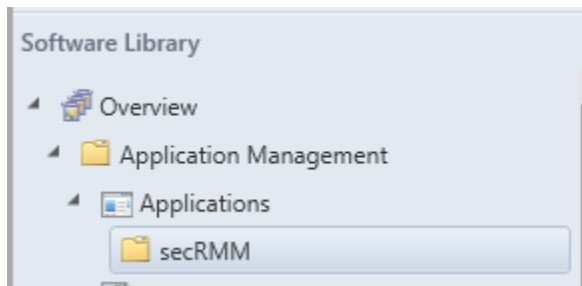
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Create SCCM Applications

secRMM installation

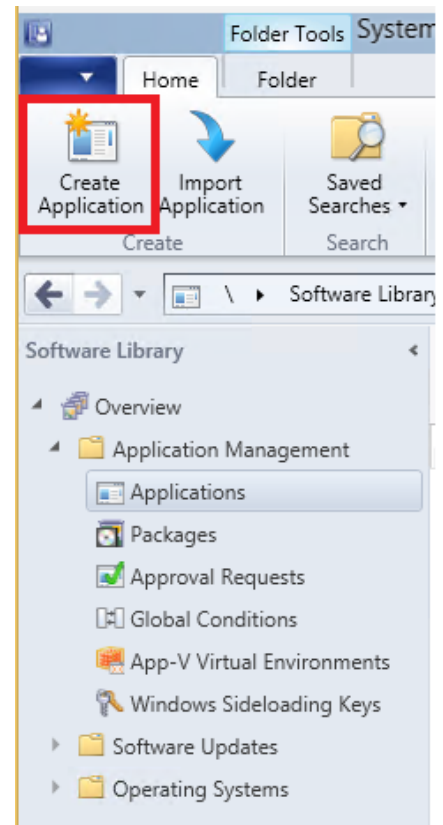
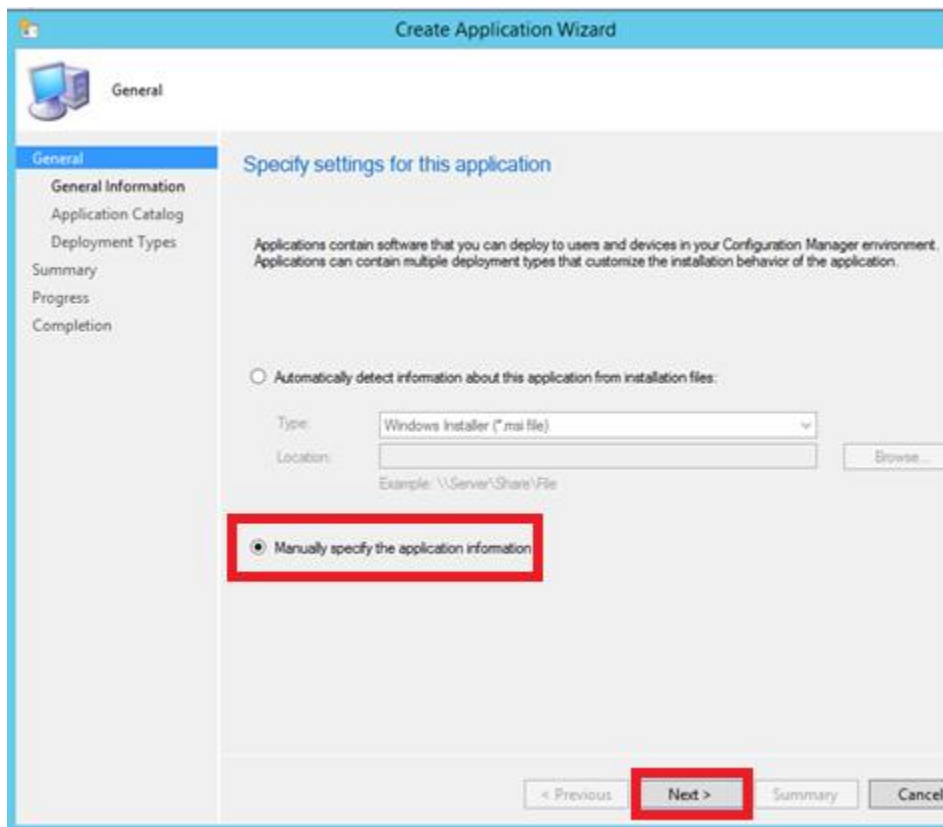
Now we will create the SCCM Application for the secRMM installation.

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 information" and click the Next button.



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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.

The screenshot shows the 'Create Application Wizard' dialog box, specifically the 'General Information' page. The dialog has a title bar with a close button (X) and a subtitle 'General Information'. On the left is a sidebar with navigation links: 'General', 'General Information' (selected), 'Application Catalog', 'Deployment Types', 'Summary', 'Progress', and 'Completion'. The main area is titled 'Specify information about this application'. It contains several input fields: 'Name' (filled with 'secRMM v9.9.0.0'), 'Administrator comments' (empty), 'Publisher' (filled with 'Squadra Technologies'), 'Software version' (filled with '9.9.0.0'), 'Optional reference' (empty), 'Administrative categories' (empty with a 'Select...' button), and 'Date published' (checked, filled with '1/11/2018'). Below these is a section 'Specify the administrative users who are responsible for this application.' with 'Owners' and 'Support contacts' (both filled with 'Administrator') and 'Browse...' buttons. At the bottom are navigation buttons: '< Previous', 'Next >' (highlighted with a red box), 'Summary', and 'Cancel'.

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.

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Create Application Wizard

Software Center

General

- General Information
- Software Center**
- Deployment Types

Summary

Progress

Completion

Specify the Software Center entry

Specify information about how you want to display this application to users when they browse the Software Center. 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 v9.11.15.0

User categories: Edit...

User documentation: Browse...

Link text:

Privacy URL:

Localized description:

Keywords:

Icon: Browse...

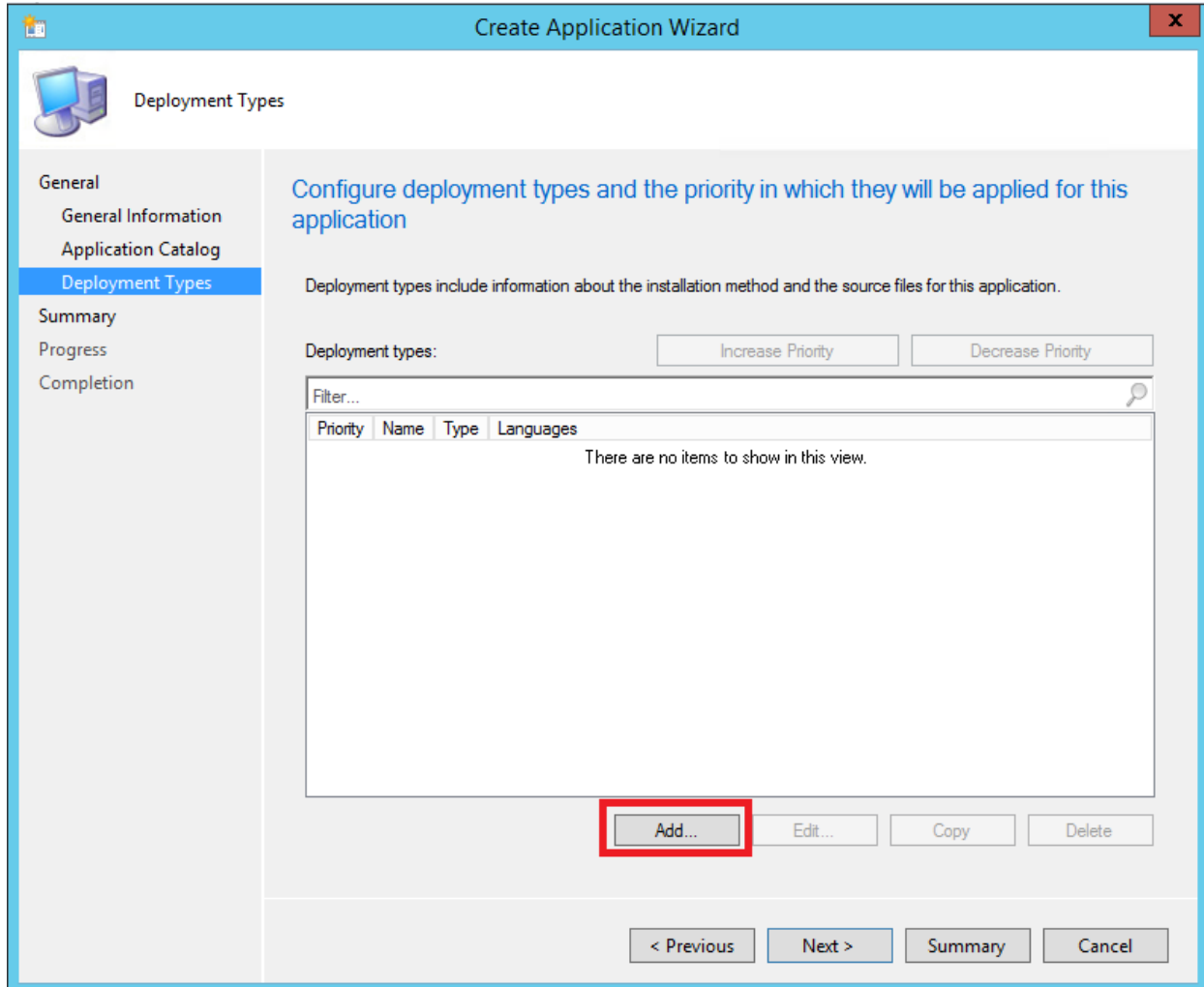
☐ Display this as a featured app and highlight it in the Company Portal and Software Center

< Previous **Next >** Summary Cancel

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.

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The screenshot shows the 'Create Application Wizard' window, specifically the 'Deployment Types' step. The left sidebar contains a tree view with 'General' selected, and sub-items: 'General Information', 'Application Catalog', 'Deployment Types' (highlighted), 'Summary', 'Progress', and 'Completion'. The main area is titled 'Configure deployment types and the priority in which they will be applied for this application'. Below this, a text box explains: 'Deployment types include information about the installation method and the source files for this application.' There are two buttons: 'Increase Priority' and 'Decrease Priority'. Below these is a 'Filter...' search box. A table with columns 'Priority', 'Name', 'Type', and 'Languages' is shown, but it is empty with the message 'There are no items to show in this view.' At the bottom of the table area, there are four buttons: 'Add...' (highlighted with a red box), 'Edit...', 'Copy', and 'Delete'. At the very bottom of the wizard are navigation buttons: '< Previous', 'Next >', 'Summary', and '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.

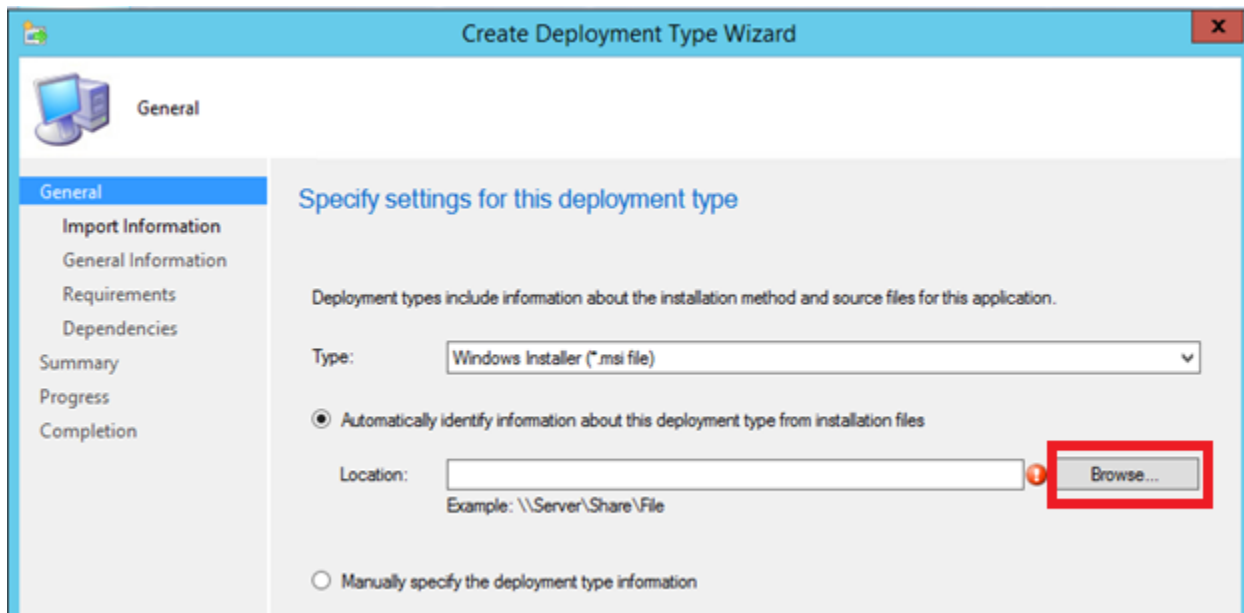
Deployment types: Increase Priority Decrease Priority

Filter...

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

Add... Edit... Copy Delete

< Previous Next > Summary Cancel



The screenshot shows the 'Create Deployment Type Wizard' window, specifically the 'General' step. The left sidebar contains a tree view with 'General' selected, and sub-items: 'Import Information', 'General Information', 'Requirements', 'Dependencies', 'Summary', 'Progress', and 'Completion'. The main area is titled 'Specify settings for this deployment type'. Below this, a text box explains: 'Deployment types include information about the installation method and source files for this application.' There is a 'Type:' dropdown menu currently set to 'Windows Installer (*.msi file)'. Below this is a radio button labeled 'Automatically identify information about this deployment type from installation files', which is selected. Under this radio button, there is a 'Location:' text box with an example path '\\Server\Share\File' below it. To the right of the 'Location' text box is a 'Browse...' button (highlighted with a red box). At the bottom, there is another radio button labeled 'Manually specify the deployment type information', which is not selected.

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

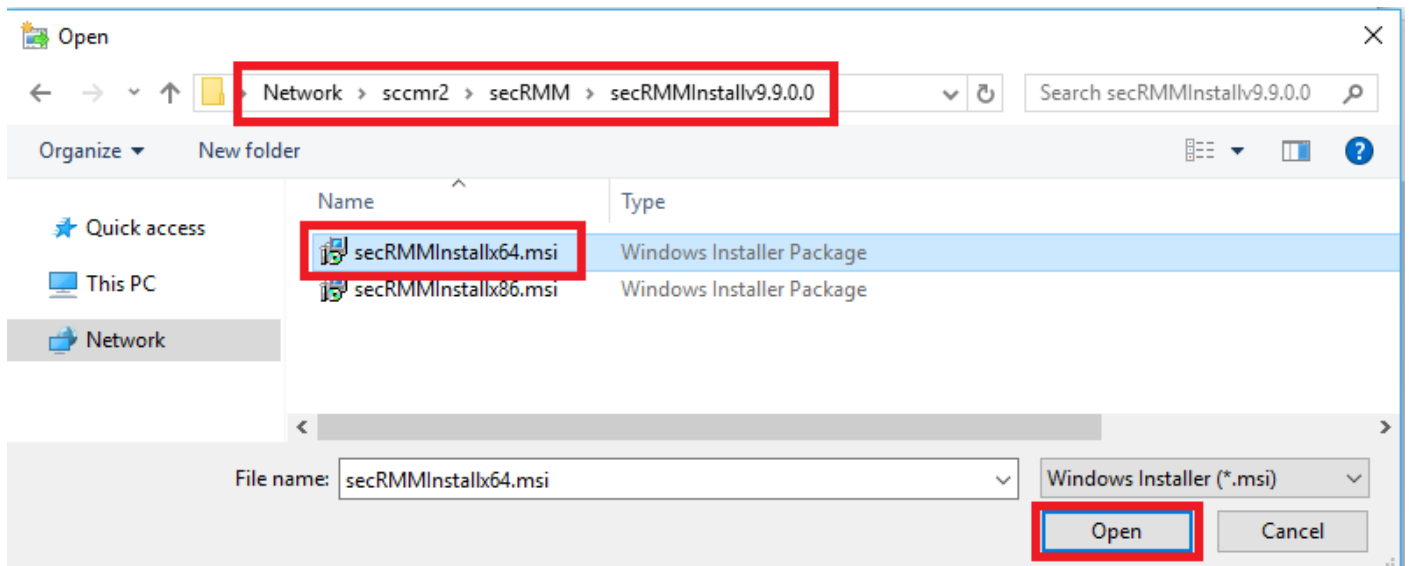
Location: Browse...

Example: \\Server\Share\File

☐ Manually specify the deployment type information

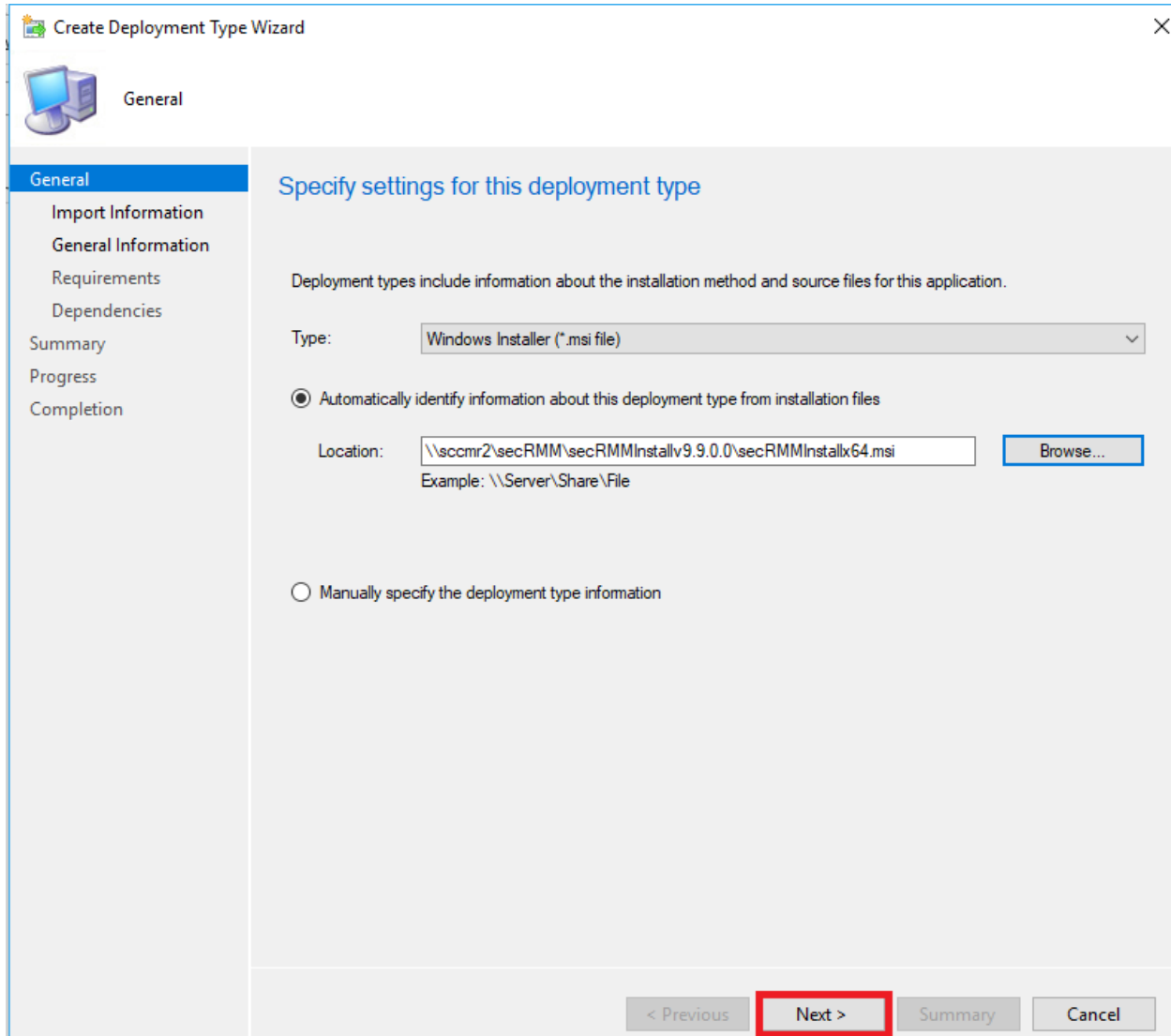
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Click the “Browse” button and select the secRMMx64.msi file using the network share name \\sccmr2\secRMM\secRMMInstallvx.x.x.x\secRMMInstallx64.msi. Be sure you do not use the local file name C:_SCCMAppDeployments\secRMM\ on this step.



Click the “Next” button.

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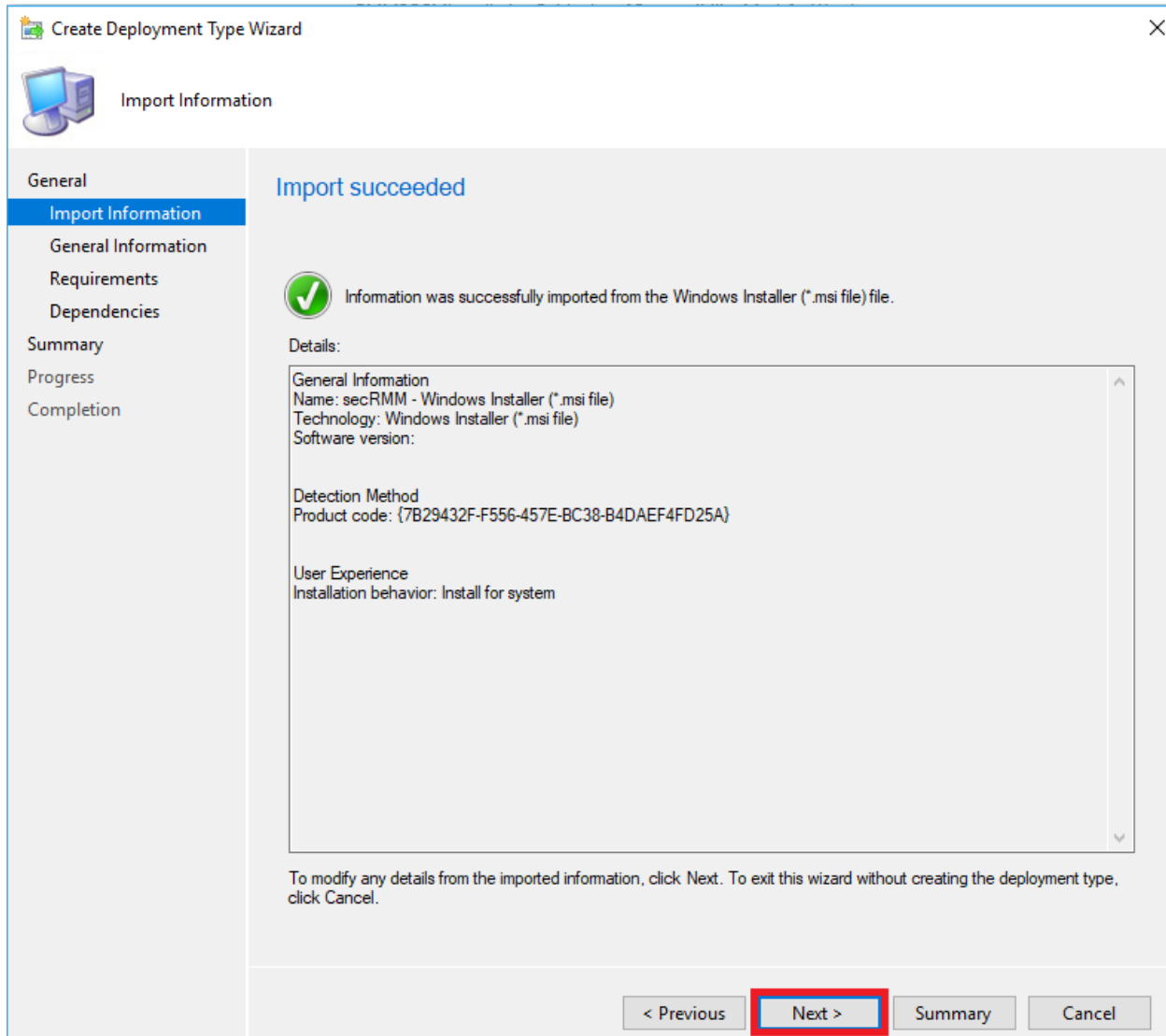


The image shows the 'Create Deployment Type Wizard' window, specifically the 'General' tab. The window has a title bar with the text 'Create Deployment Type Wizard' and a close button. On the left is a sidebar with icons and labels for 'General', 'Import Information', 'General Information', 'Requirements', 'Dependencies', 'Summary', 'Progress', and 'Completion'. The main area is titled 'Specify settings for this deployment type' and contains the following elements:

- A description: 'Deployment types include information about the installation method and source files for this application.'
- A 'Type:' dropdown menu set to 'Windows Installer (*.msi file)'.
- A radio button labeled 'Automatically identify information about this deployment type from installation files', which is selected.
- A 'Location:' text box containing the path '\\sccmr2\secRMM\secRMMInstallv9.9.0.0\secRMMInstallx64.msi'. Below it is an 'Example:' label with the text '\\Server\Share\File'.
- A 'Browse...' button to the right of the location text box.
- A radio button labeled 'Manually specify the deployment type information', which is unselected.
- At the bottom right, four buttons: '< Previous' (disabled), 'Next >' (highlighted with a red rectangle), 'Summary' (disabled), and 'Cancel' (disabled).

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

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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.

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The screenshot shows the 'Create Deployment Type Wizard' window with the 'General Information' tab selected. The left sidebar contains a tree view with the following items: General (selected), Import Information, General Information, Requirements, Dependencies, Summary, Progress, and Completion. The main area is titled 'Specify information about this deployment type' and contains the following fields:

- Name:** A text box containing 'secRMM x64 - Windows Installer (*.msi file)', which is highlighted with a red rectangle.
- Administrator comments:** A multi-line text area.
- Languages:** A list box with up and down arrows and a 'Select...' button.
- Specify the installation program for this application, and the required installation rights.** A section header.
- Installation program:** A text box containing 'msiexec /i "secRMMInstallx64.msi" /q' and a 'Browse...' button.
- Run installation program as 32-bit process on 64-bit clients:** An unchecked checkbox.
- Installation behavior:** A dropdown menu set to 'Install for system'.

At the bottom of the window, there are four buttons: '< Previous', 'Next >' (highlighted with a red rectangle), 'Summary', and 'Cancel'.

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.

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The screenshot shows the 'Create Deployment Type Wizard' window with the 'Requirements' tab selected. The left sidebar contains a list of steps: General, Import Information, General Information, Requirements (highlighted), Dependencies, Summary, Progress, and Completion. The main area is titled 'Specify installation requirements for this deployment type' and includes a descriptive paragraph about requirements. Below this is a table with columns 'Requirement Type', 'Operator', and 'Values'. The table is currently empty, displaying the message 'There are no items to show in this view.' At the bottom right of the table area, the 'Add...' button is highlighted with a red rectangle. Other buttons like 'Edit...', 'Delete', '< Previous', 'Next >', 'Summary', and 'Cancel' are also visible.

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

Create Requirement

Category: Custom

Condition: OS Architecture x64 Create...

Rule type: Value

Operator: Equals

Value: 64-bit

OK Cancel

The value is **64-bit**

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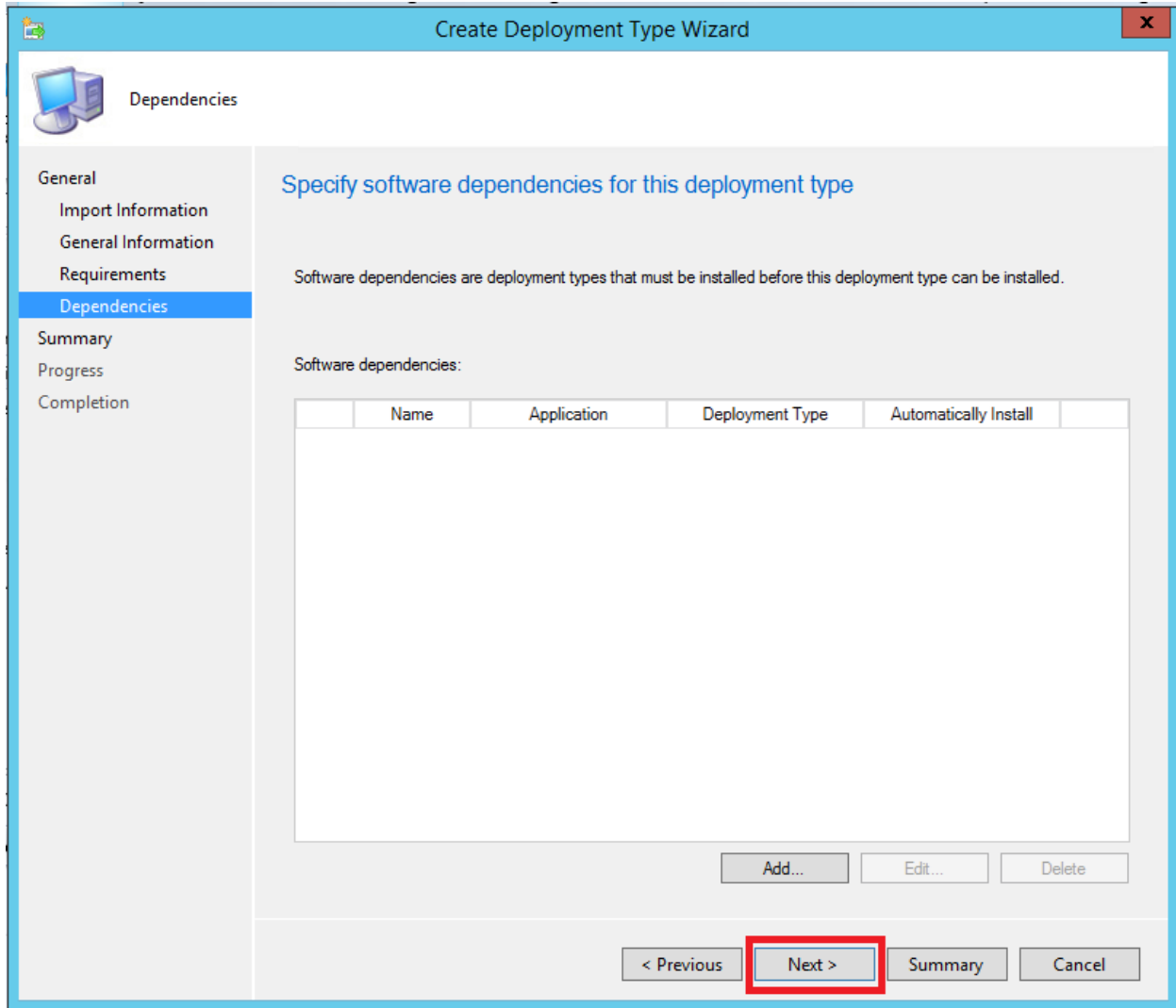
The screenshot shows the 'Create Deployment Type Wizard' window with the 'Requirements' tab selected. The left sidebar contains a list of steps: General, Import Information, General Information, Requirements (highlighted), Dependencies, Summary, Progress, and Completion. The main area is titled 'Specify installation requirements for this deployment type' and includes a description: '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.' Below this is a table with the following data:

Requirement Type	Operator	Values
OS Architecture x64	Equals	64-bit

At the bottom of the window, there are four buttons: '< Previous', 'Next >' (highlighted with a red box), 'Summary', and 'Cancel'.

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

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The screenshot shows the 'Create Deployment Type Wizard' window, specifically the 'Dependencies' step. The left sidebar contains a list of steps: General, Import Information, General Information, Requirements, Dependencies (highlighted), Summary, Progress, and Completion. The main area is titled 'Specify software dependencies for this deployment type' and includes a description: 'Software dependencies are deployment types that must be installed before this deployment type can be installed.' Below this is a table for 'Software dependencies:' with columns: Name, Application, Deployment Type, Automatically Install, and an empty column. At the bottom right of the table are buttons for 'Add...', 'Edit...', and 'Delete'. At the very bottom of the wizard are navigation buttons: '< Previous', 'Next >' (highlighted with a red box), 'Summary', and 'Cancel'.

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:

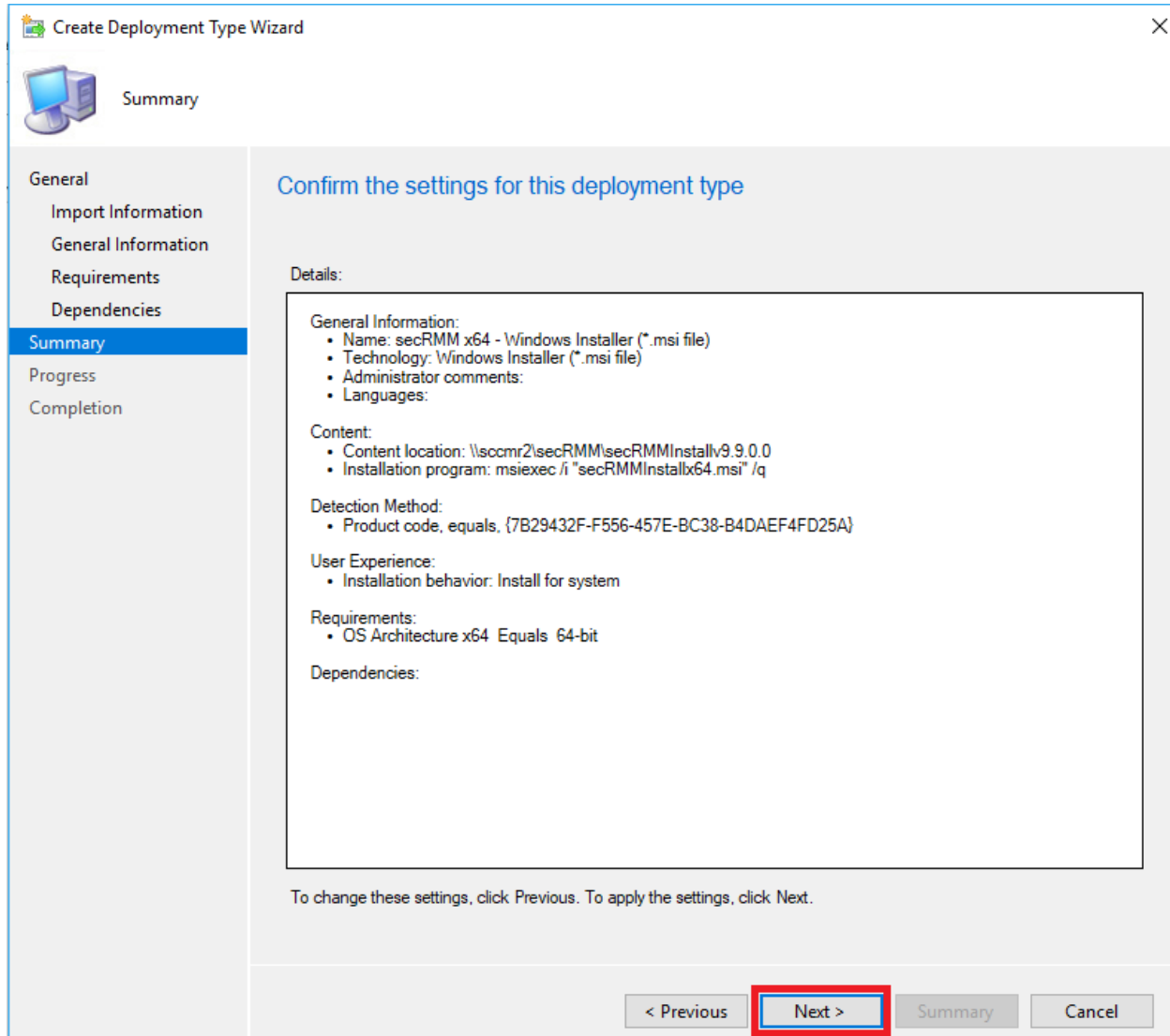
	Name	Application	Deployment Type	Automatically Install	
--	------	-------------	-----------------	-----------------------	--

Add... Edit... Delete

< Previous Next > Summary Cancel

Click the "Next" button on the "Summary" page.

secRMM SCCM Installation Guide



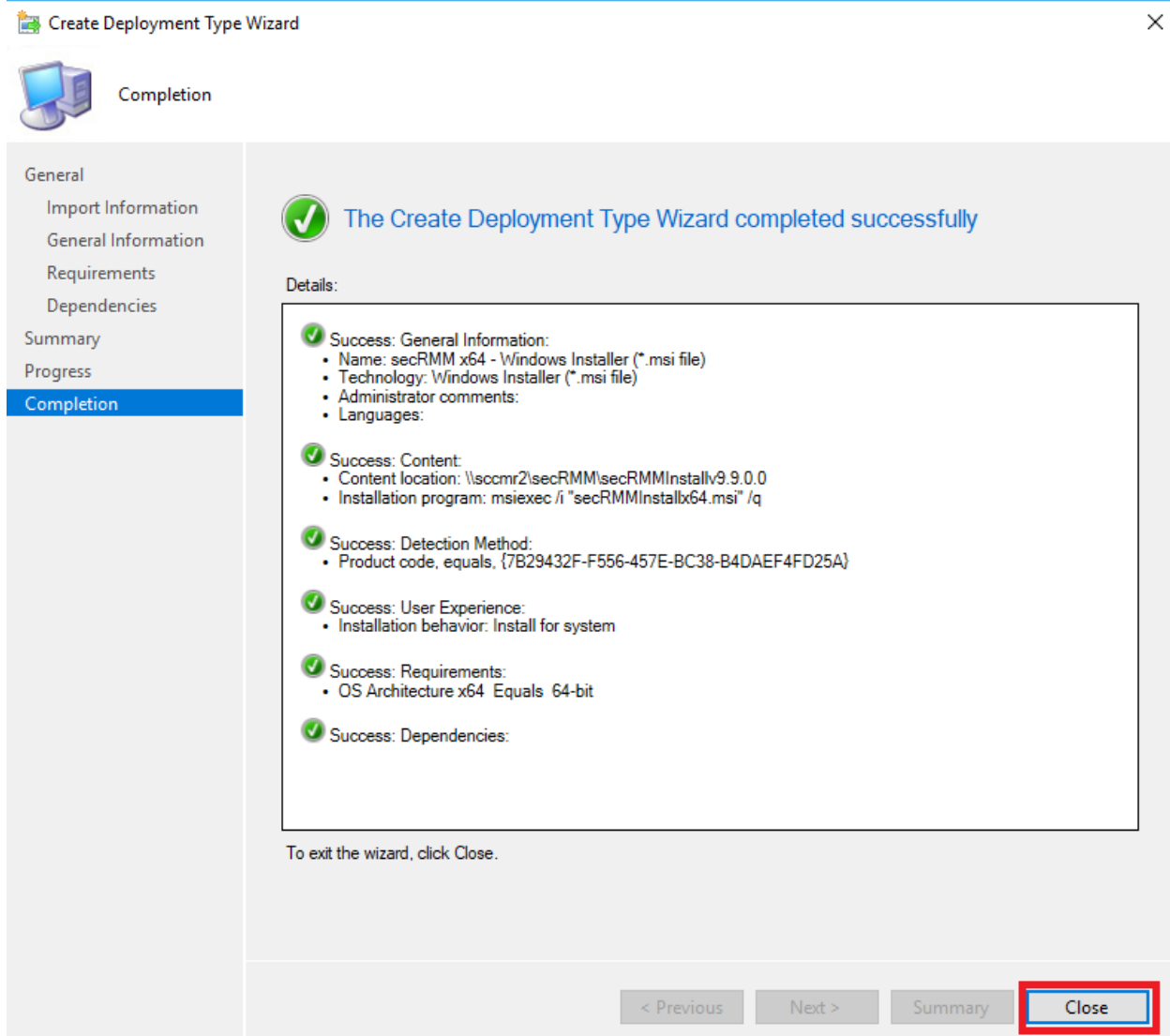
The image shows the 'Create Deployment Type Wizard' window, specifically the 'Summary' page. The window has a title bar with the text 'Create Deployment Type Wizard' and a close button. On the left is a navigation pane with the following items: 'General', 'Import Information', 'General Information', 'Requirements', 'Dependencies', 'Summary' (highlighted), 'Progress', and 'Completion'. The main area is titled 'Confirm the settings for this deployment type' and contains a 'Details' section with the following information:

- General Information:**
 - Name: secRMM x64 - Windows Installer (*.msi file)
 - Technology: Windows Installer (*.msi file)
 - Administrator comments:
 - Languages:
- Content:**
 - Content location: \\sccmr2\secRMM\secRMMInstallv9.9.0.0
 - Installation program: msixec /i "secRMMInstallx64.msi" /q
- Detection Method:**
 - Product code, equals, {7B29432F-F556-457E-BC38-B4DAEF4FD25A}
- User Experience:**
 - Installation behavior: Install for system
- Requirements:**
 - OS Architecture x64 Equals 64-bit
- Dependencies:**

Below the details section, a message states: 'To change these settings, click Previous. To apply the settings, click Next.' At the bottom right, there are four buttons: '< Previous', 'Next >' (highlighted with a red rectangle), 'Summary', and 'Cancel'.

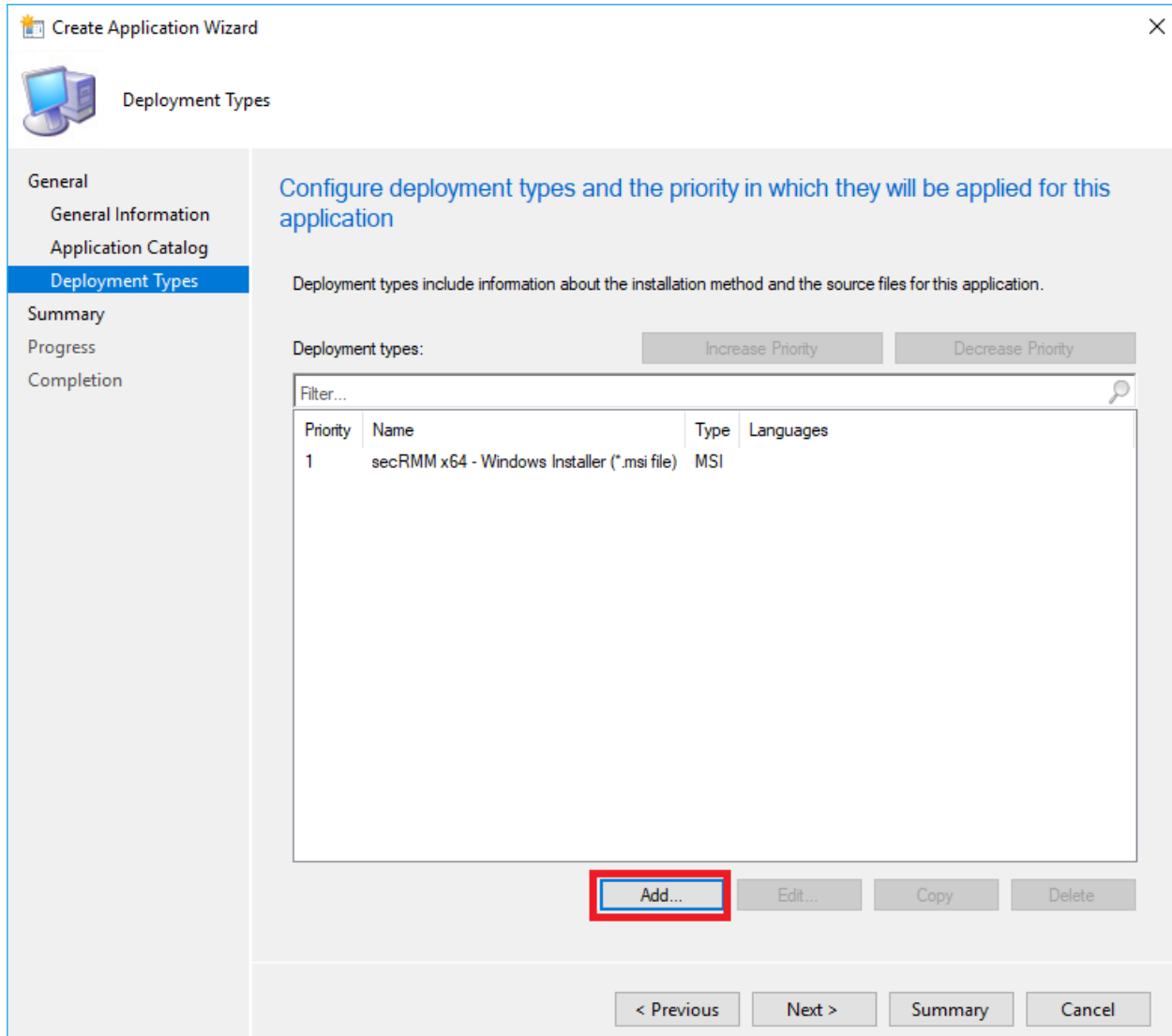
Click the “Close” button on the “Completion” page.

secRMM SCCM Installation Guide



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.

secRMM SCCM Installation Guide



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.

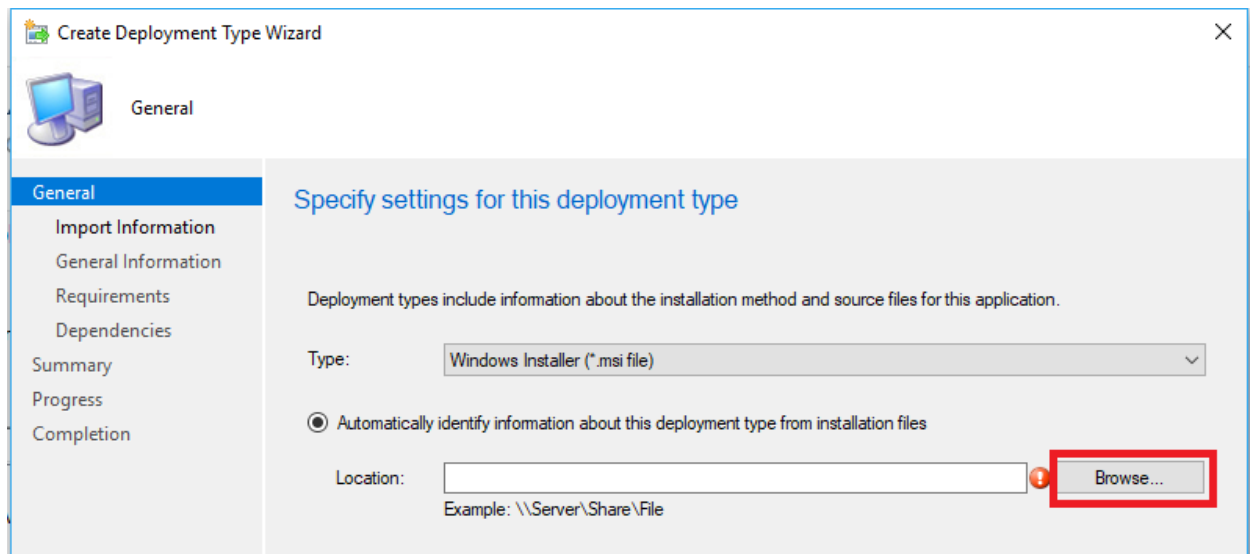
Deployment types: Increase Priority Decrease Priority

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

- 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.

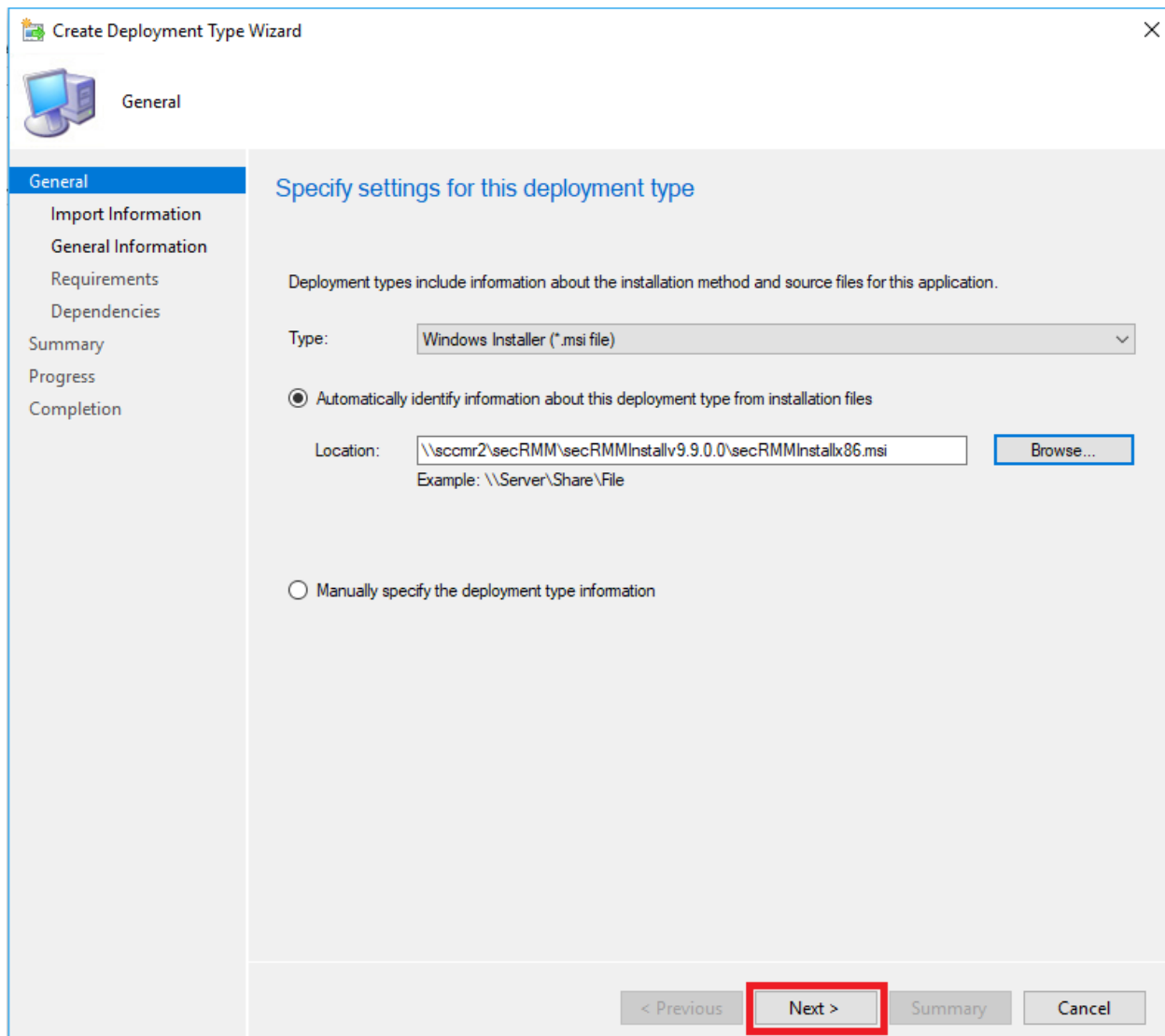
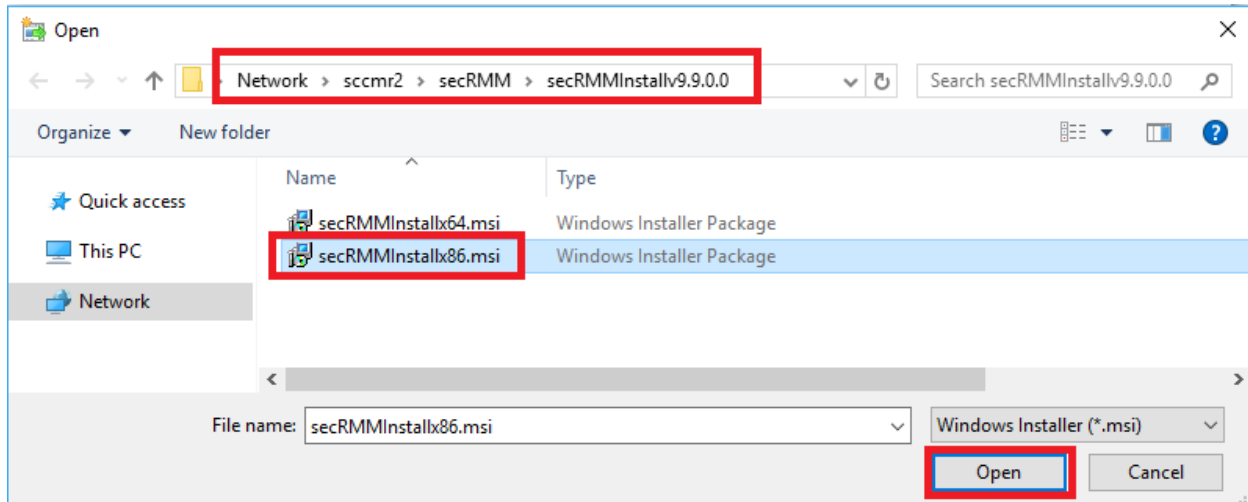
Type: Windows Installer (*.msi file)

☒ Automatically identify information about this deployment type from installation files

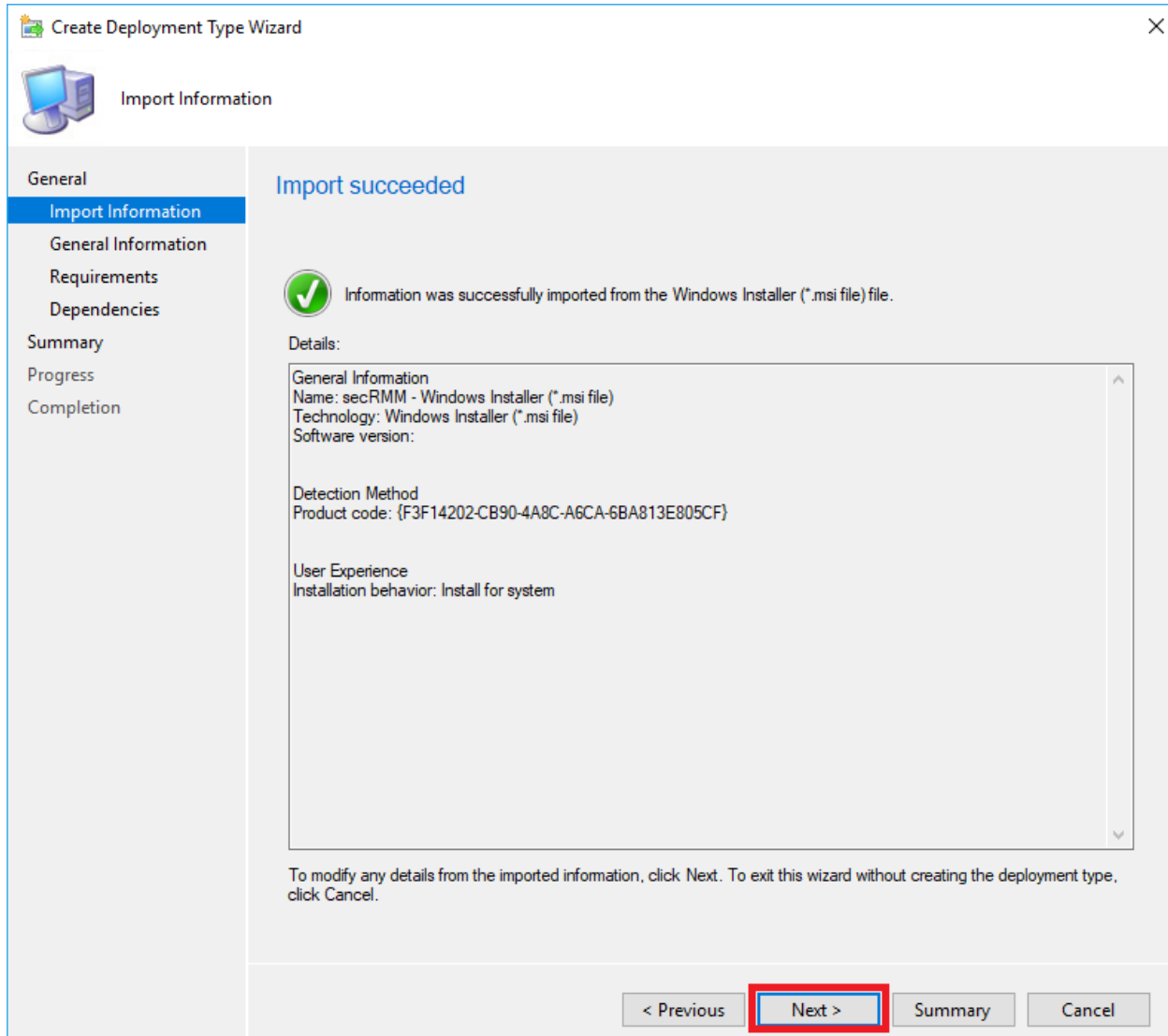
Location: Browse...

Example: \\Server\Share\File

secRMM SCCM Installation Guide



secRMM SCCM Installation Guide



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

secRMM SCCM Installation Guide

Create Deployment Type Wizard

General Information

General Information

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: msixec /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

secRMM SCCM Installation Guide

The screenshot shows the 'Create Deployment Type Wizard' window with the 'Requirements' tab selected. The left sidebar contains a tree view with the following items: General, Import Information, General Information, Requirements (highlighted), Dependencies, Summary, Progress, and Completion. The main area is titled 'Specify installation requirements for this deployment type'. It includes a descriptive paragraph: '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.' Below this is a section labeled 'Requirements:' containing a table with columns 'Requirement Type', 'Operator', and 'Values'. The table is currently empty, displaying the message 'There are no items to show in this view.' At the bottom right of the table area, there are three buttons: 'Add...' (highlighted with a red rectangle), 'Edit...', and 'Delete'. At the very bottom of the wizard, there are four buttons: '< Previous', 'Next >', 'Summary', and '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:

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

Filter...

Add... Edit... Delete

< Previous Next > Summary Cancel

Create Requirement

Category: Custom

Condition: OS Architecture x86 Create...

Rule type: Value

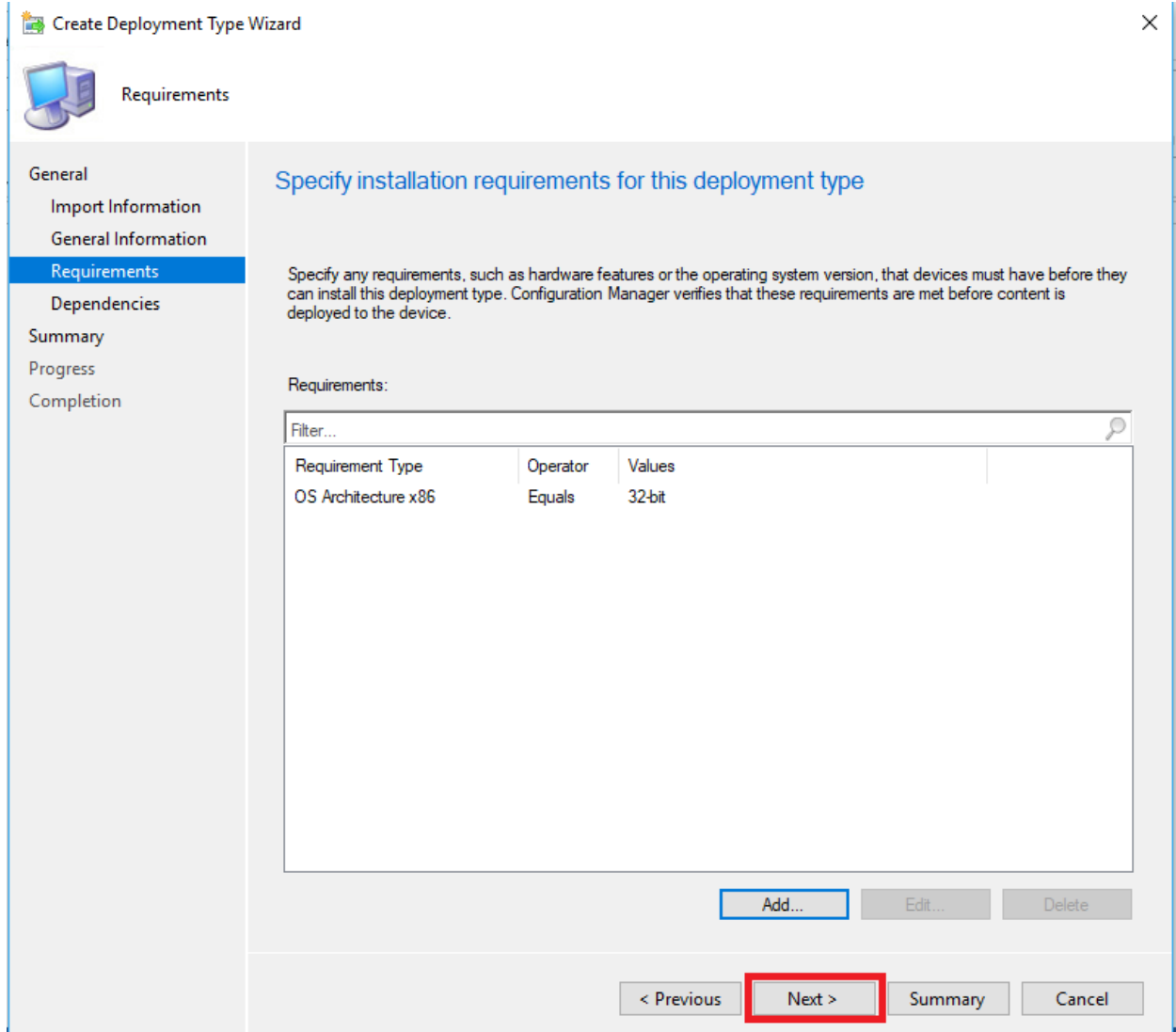
Operator: Equals

Value: 32-bit

OK Cancel

The value is 32-bit

secRMM SCCM Installation Guide



The screenshot shows the 'Create Deployment Type Wizard' window, specifically the 'Requirements' step. The left sidebar contains a list of steps: General, Import Information, General Information, Requirements (highlighted), Dependencies, Summary, Progress, and Completion. The main area is titled 'Specify installation requirements for this deployment type'. It includes a descriptive paragraph about requirements and a table to define them. The table has three columns: Requirement Type, Operator, and Values. One requirement is listed: 'OS Architecture x86' with the operator 'Equals' and value '32-bit'. Below the table are buttons for 'Add...', 'Edit...', and 'Delete'. At the bottom of the wizard are buttons for '< Previous', 'Next >' (highlighted with a red box), 'Summary', and '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:

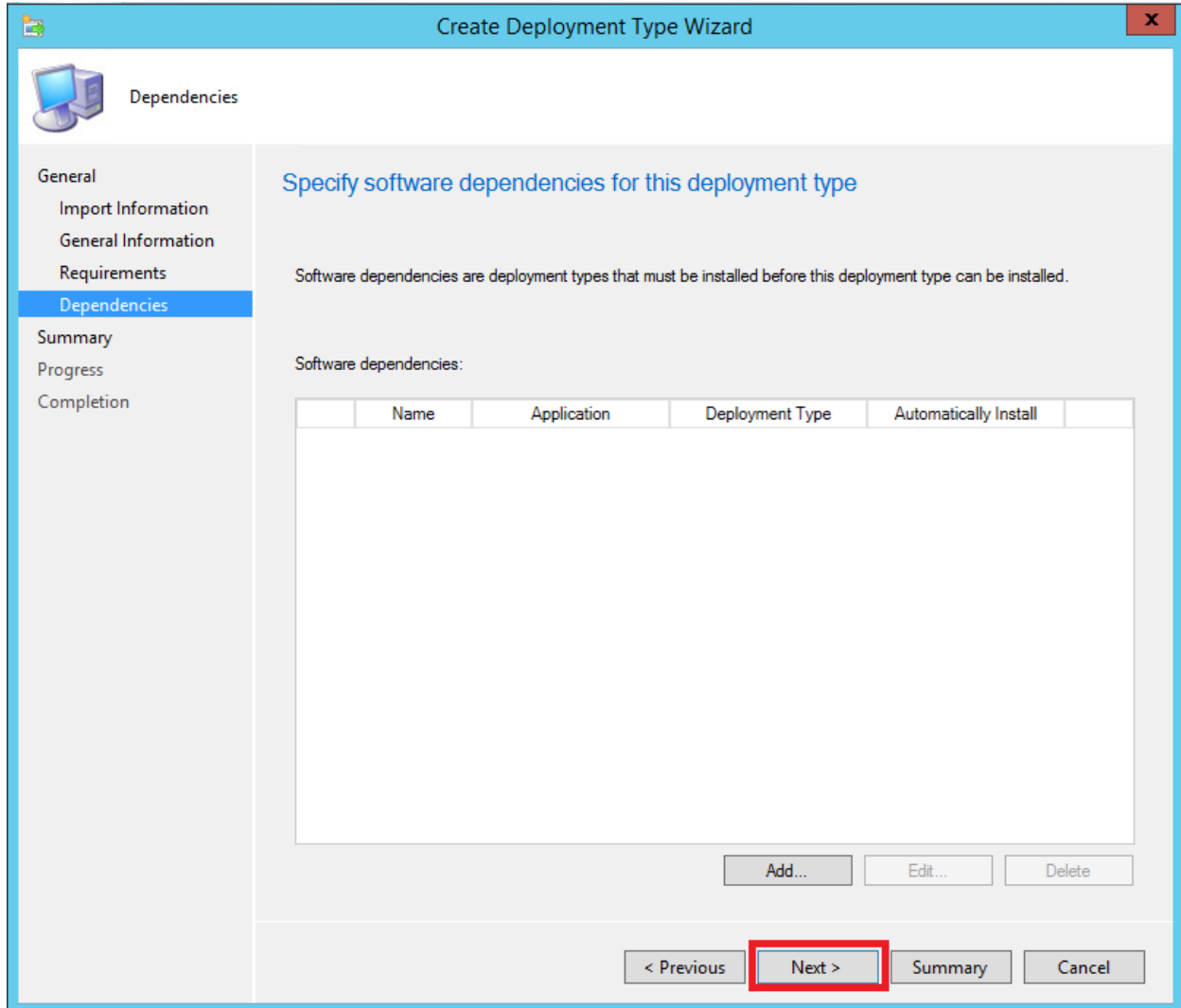
Requirement Type	Operator	Values
OS Architecture x86	Equals	32-bit

Filter...

Add... Edit... Delete

< Previous **Next >** Summary Cancel

secRMM SCCM Installation Guide



The screenshot shows the 'Create Deployment Type Wizard' window, specifically the 'Dependencies' step. The left sidebar contains a list of steps: General, Import Information, General Information, Requirements, Dependencies (highlighted), Summary, Progress, and Completion. The main area is titled 'Specify software dependencies for this deployment type'. It includes a descriptive text: 'Software dependencies are deployment types that must be installed before this deployment type can be installed.' Below this, a table is provided for listing dependencies. The table has columns for Name, Application, Deployment Type, and Automatically Install. At the bottom of the table, there are 'Add...', 'Edit...', and 'Delete' buttons. At the very bottom of the wizard, there are navigation buttons: '< Previous', 'Next >' (highlighted with a red box), 'Summary', and 'Cancel'.

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

secRMM SCCM Installation Guide

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: msixec /i "secRMMInstallx86.msi" /q

Detection Method:

- Product code, equals, {F3F14202-CB90-4A8C-A6CA-6BA813E805CF}

User Experience:

- Installation behavior: Install for system

Requirements:

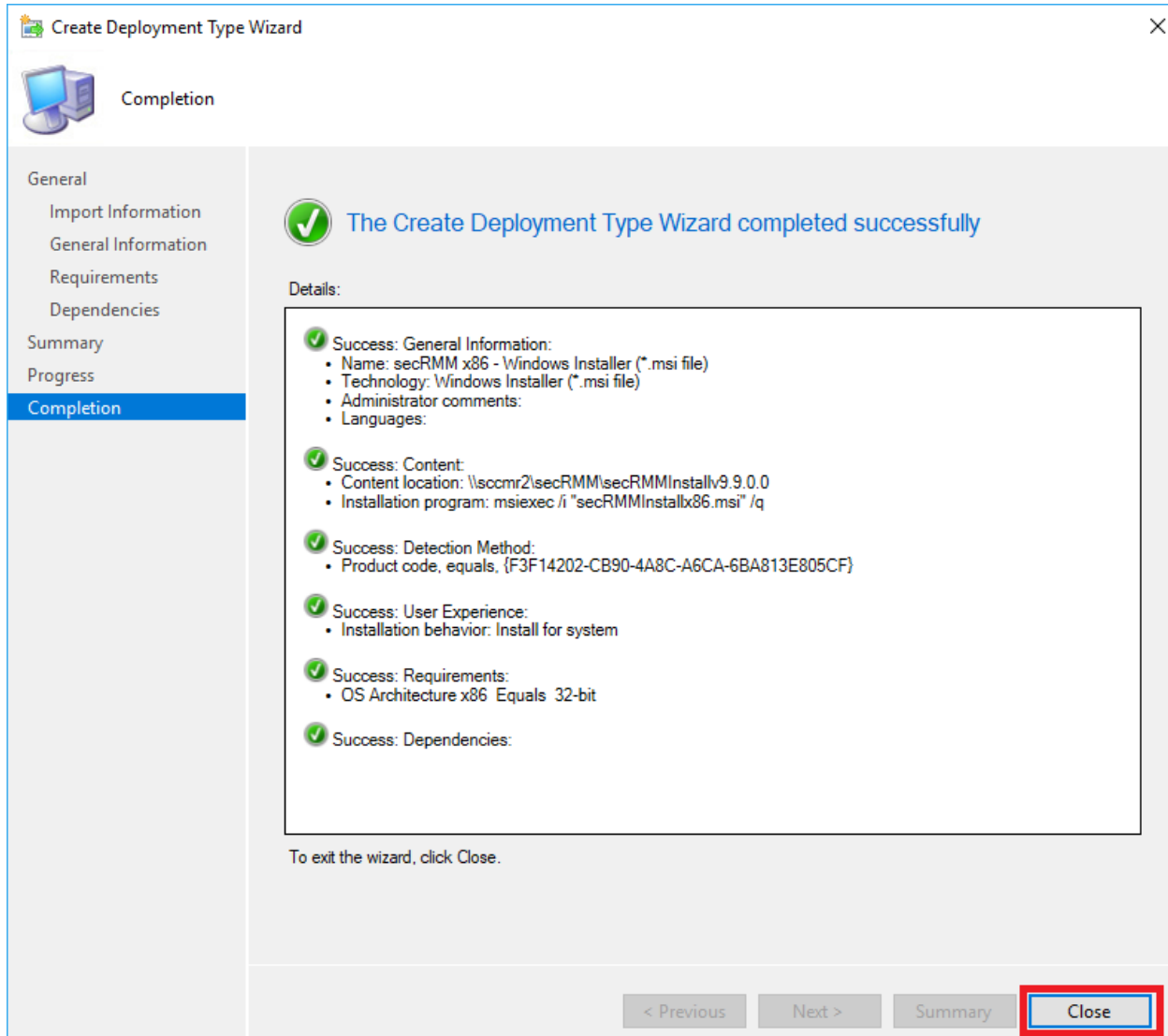
- OS Architecture x86 Equals 32-bit

Dependencies:

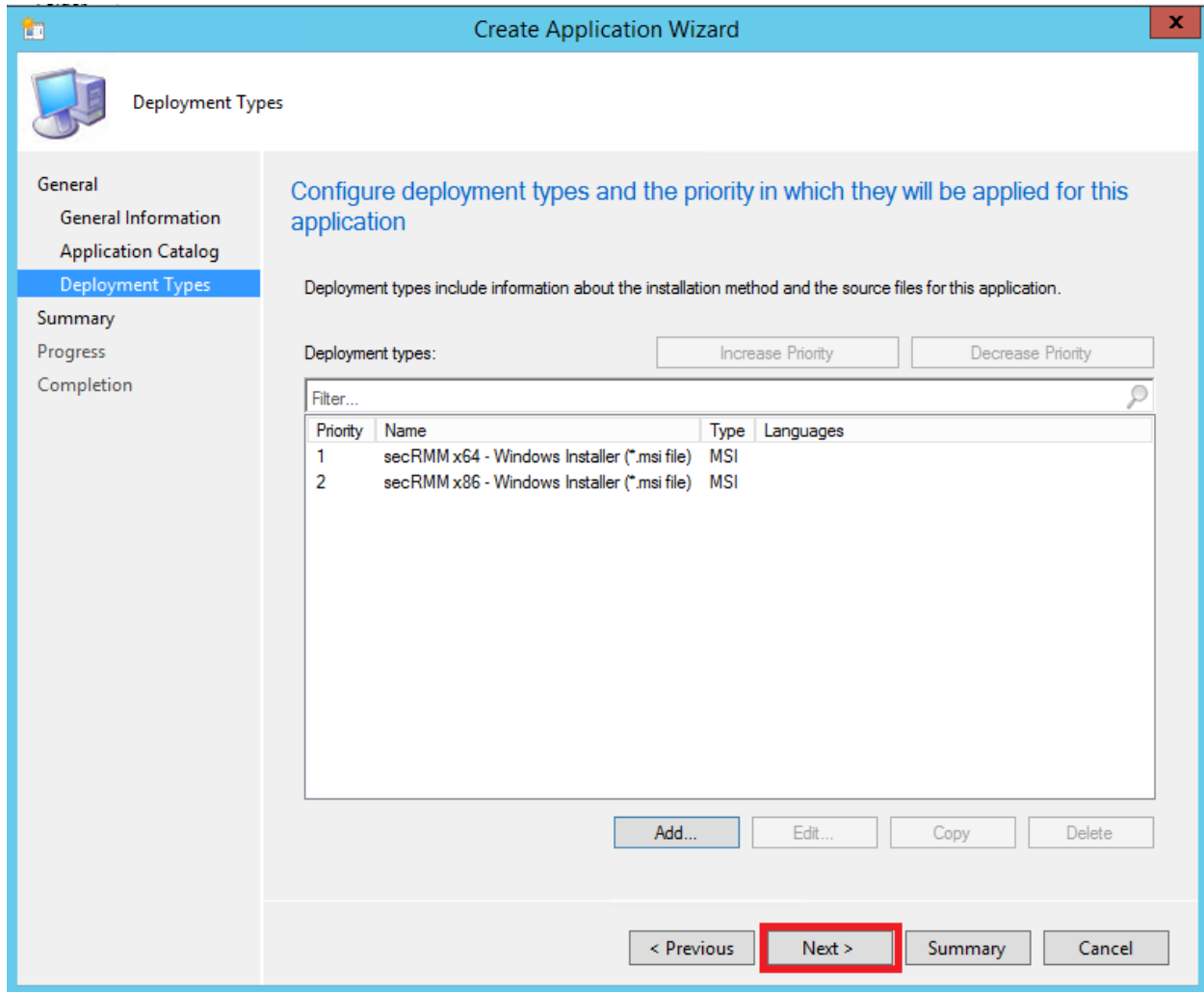
To change these settings, click Previous. To apply the settings, click Next.

< Previous Next > Summary Cancel

secRMM SCCM Installation Guide



secRMM SCCM Installation Guide



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

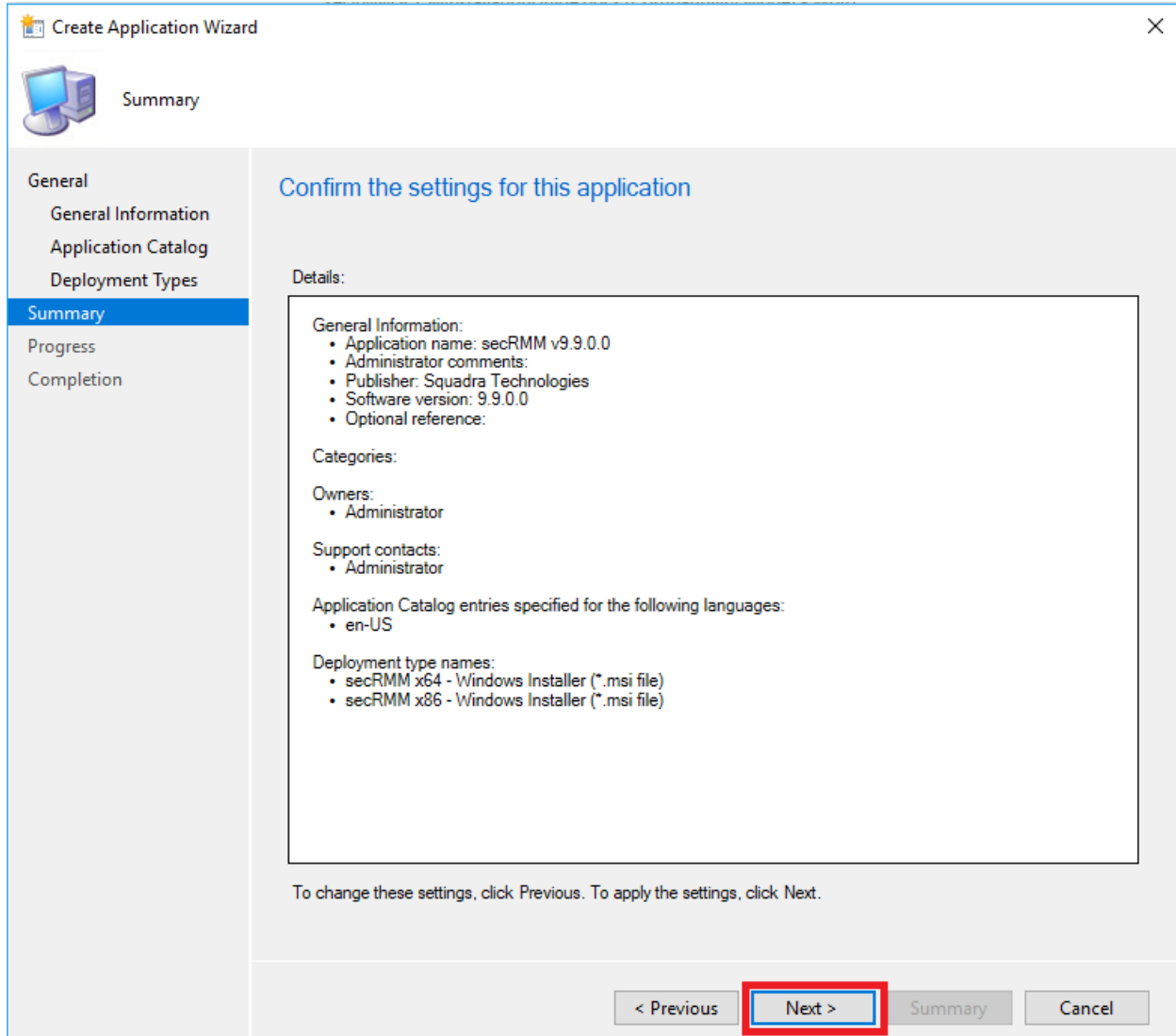
Filter...

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

secRMM SCCM Installation Guide



The image shows the 'Create Application Wizard' window, specifically the 'Summary' step. The window has a title bar with a close button. On the left is a navigation pane with icons and labels for 'General', 'Summary', 'Progress', and 'Completion'. The 'Summary' step is selected and highlighted. The main area is titled 'Confirm the settings for this application' and contains a 'Details' section with a list of application settings. At the bottom, there are four buttons: '< Previous', 'Next >', 'Summary', and 'Cancel'. The 'Next >' button is highlighted with a red rectangle.

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

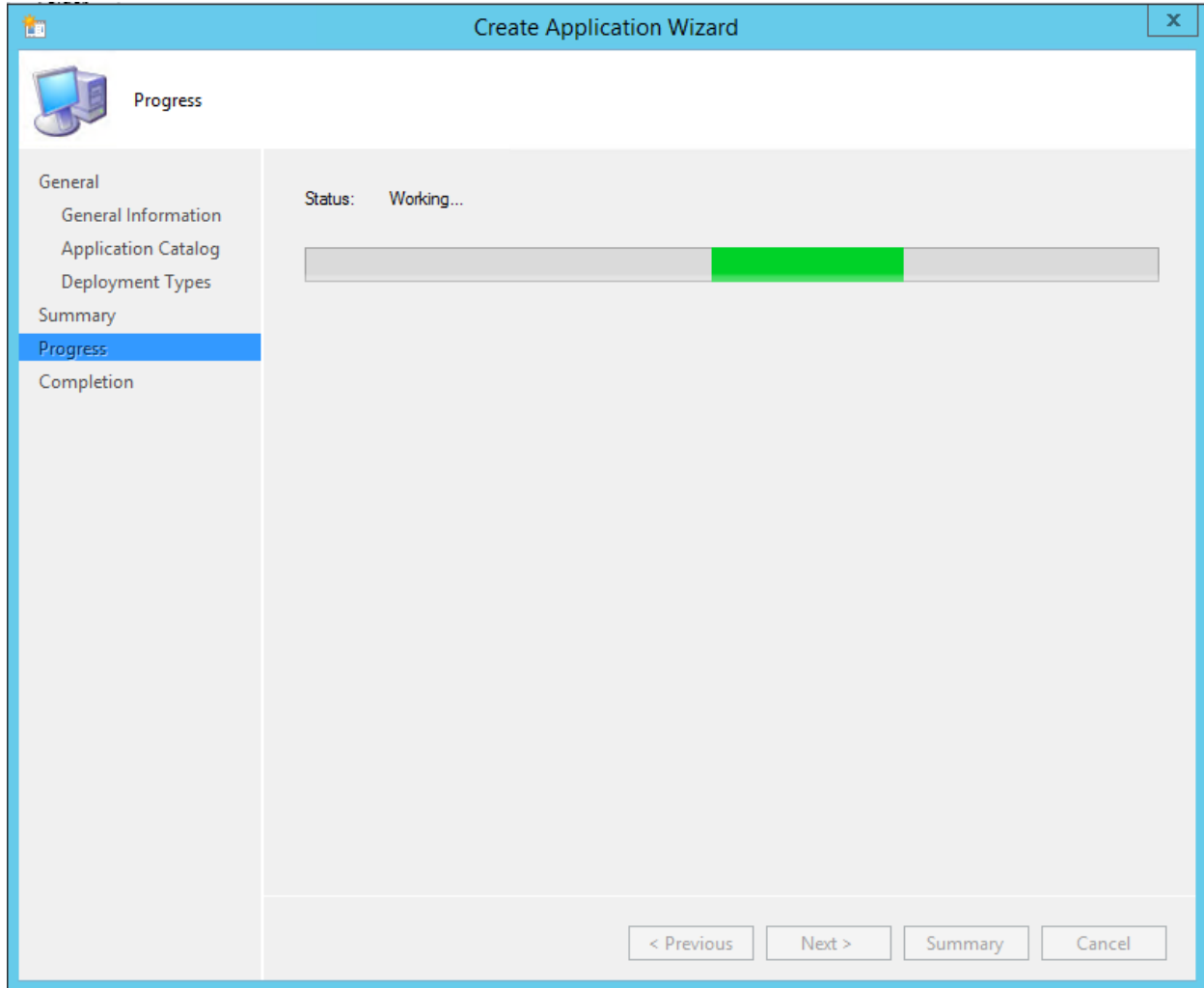
Deployment type names:

- secRMM x64 - Windows Installer (*.msi file)
- secRMM x86 - Windows Installer (*.msi file)

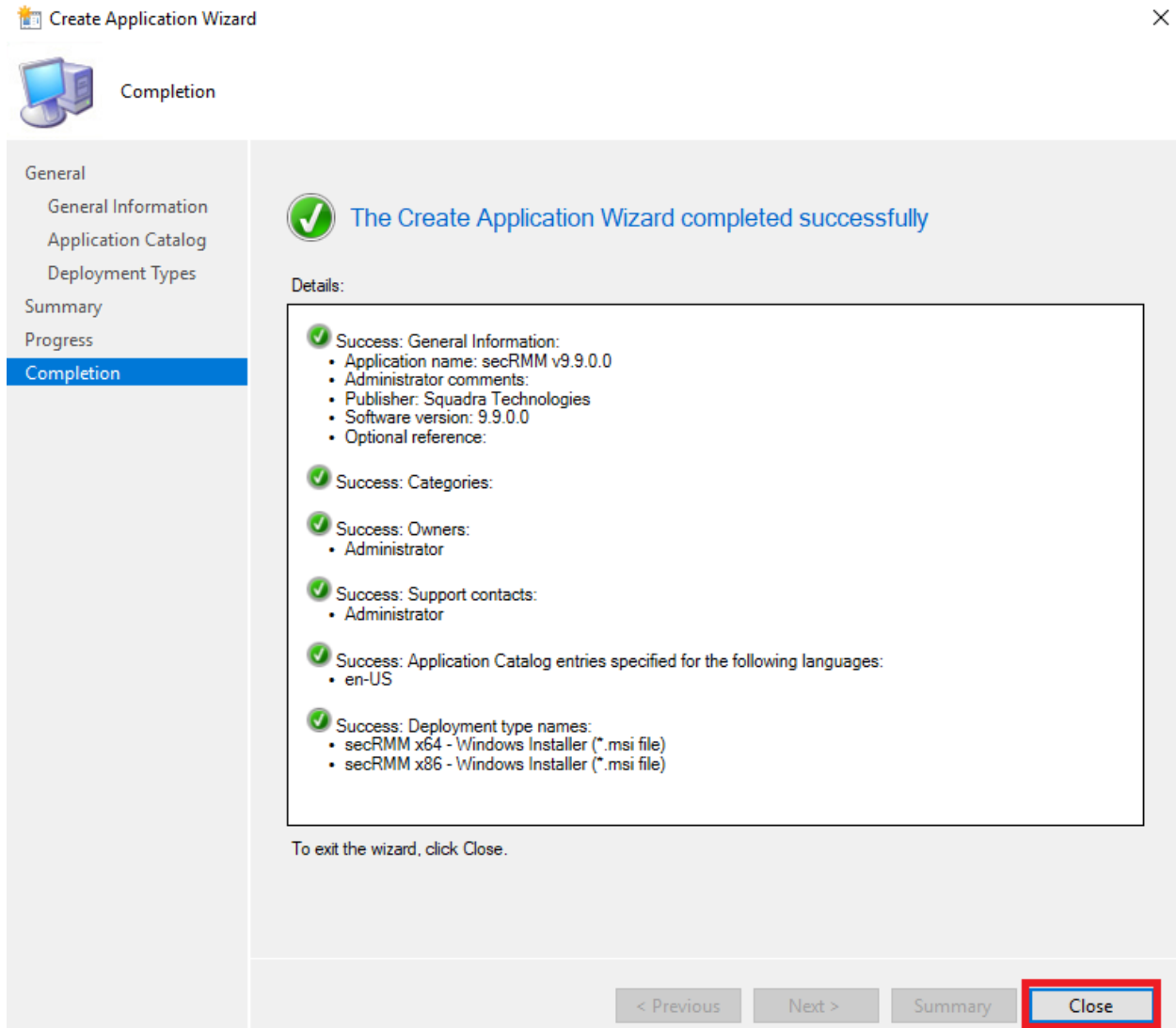
To change these settings, click Previous. To apply the settings, click Next.

< Previous **Next >** Summary Cancel

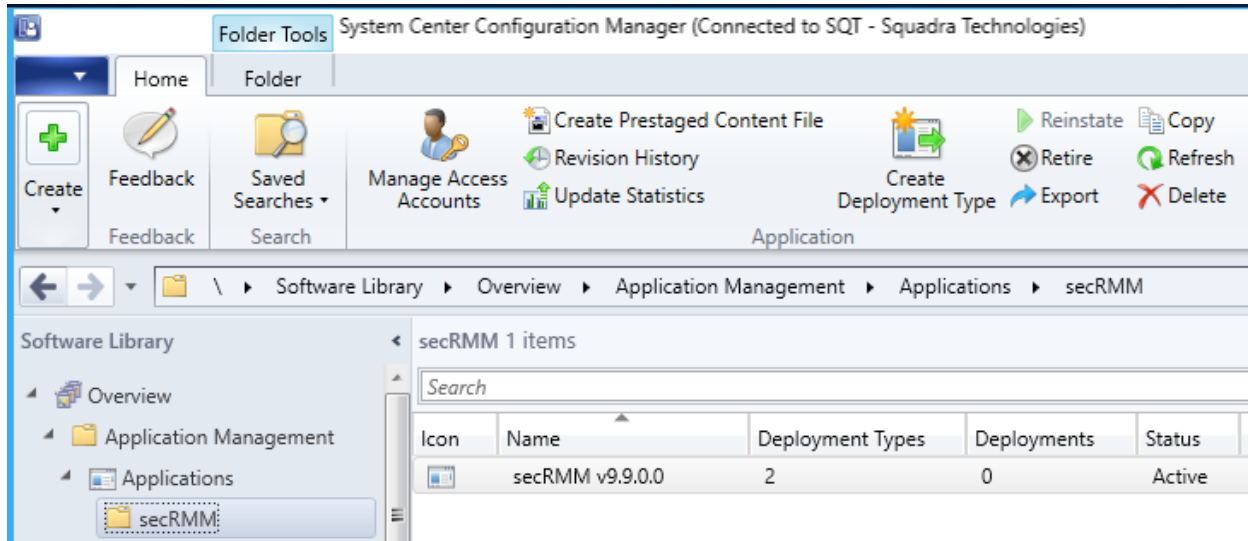
secRMM SCCM Installation Guide



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secRMM SCCM Installation Guide



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).

secRMM SCCM Installation Guide

*** 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
```

secRMM SCCM Installation Guide

```
: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).

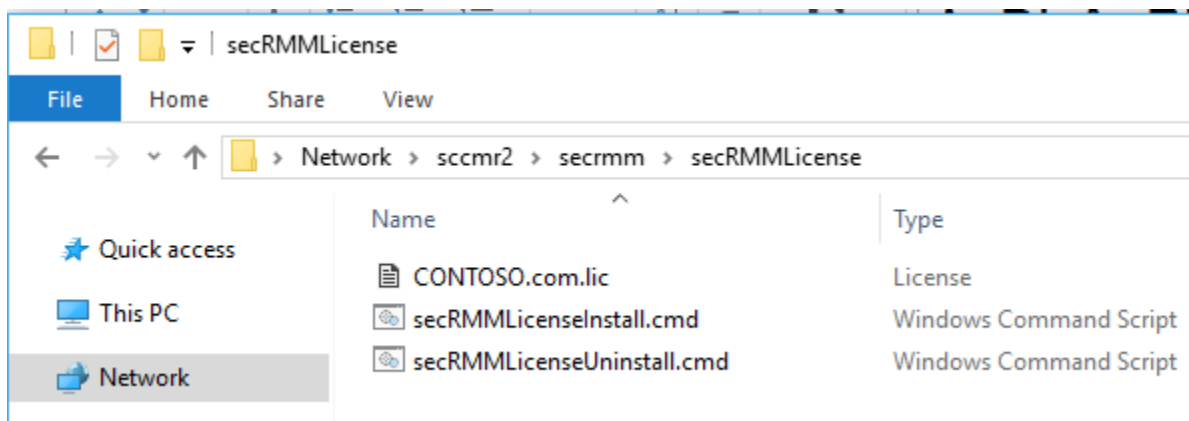
Be sure to change **MyDomain.lic** in the script below to be the name of your secRMM license file.

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%
)
```

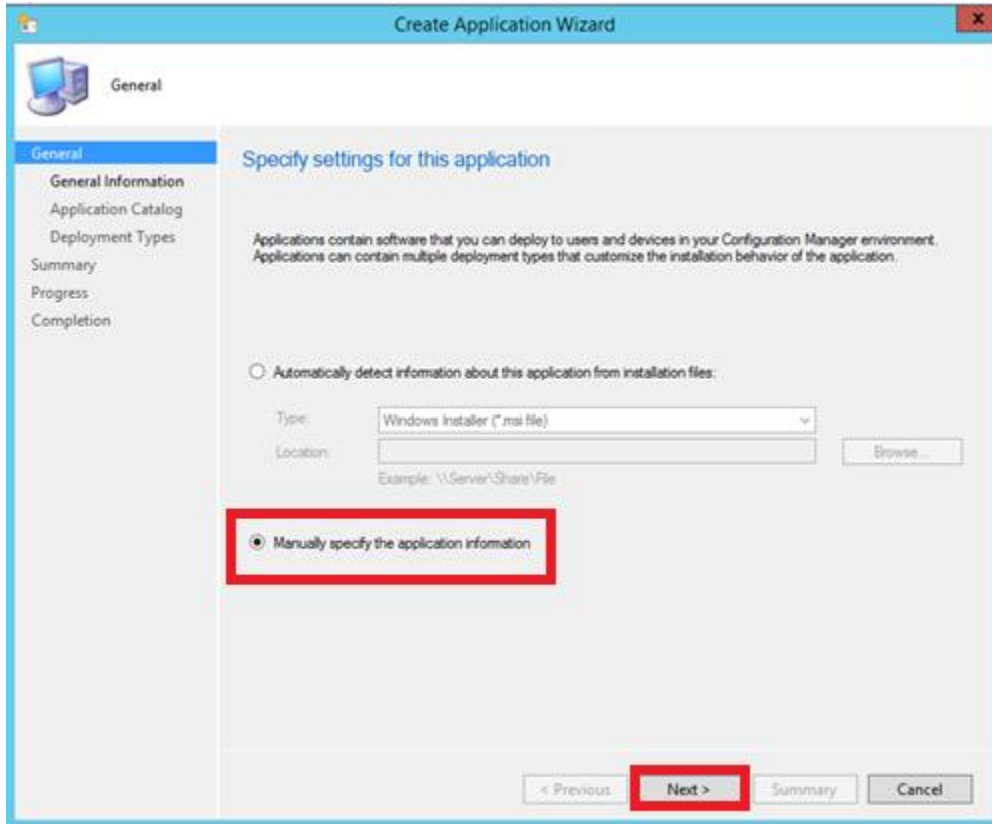
The screenshot below is what the secRMMLicense directory should look like (except you will have your secRMM license file instead of CONTOSO.com.lic).



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.

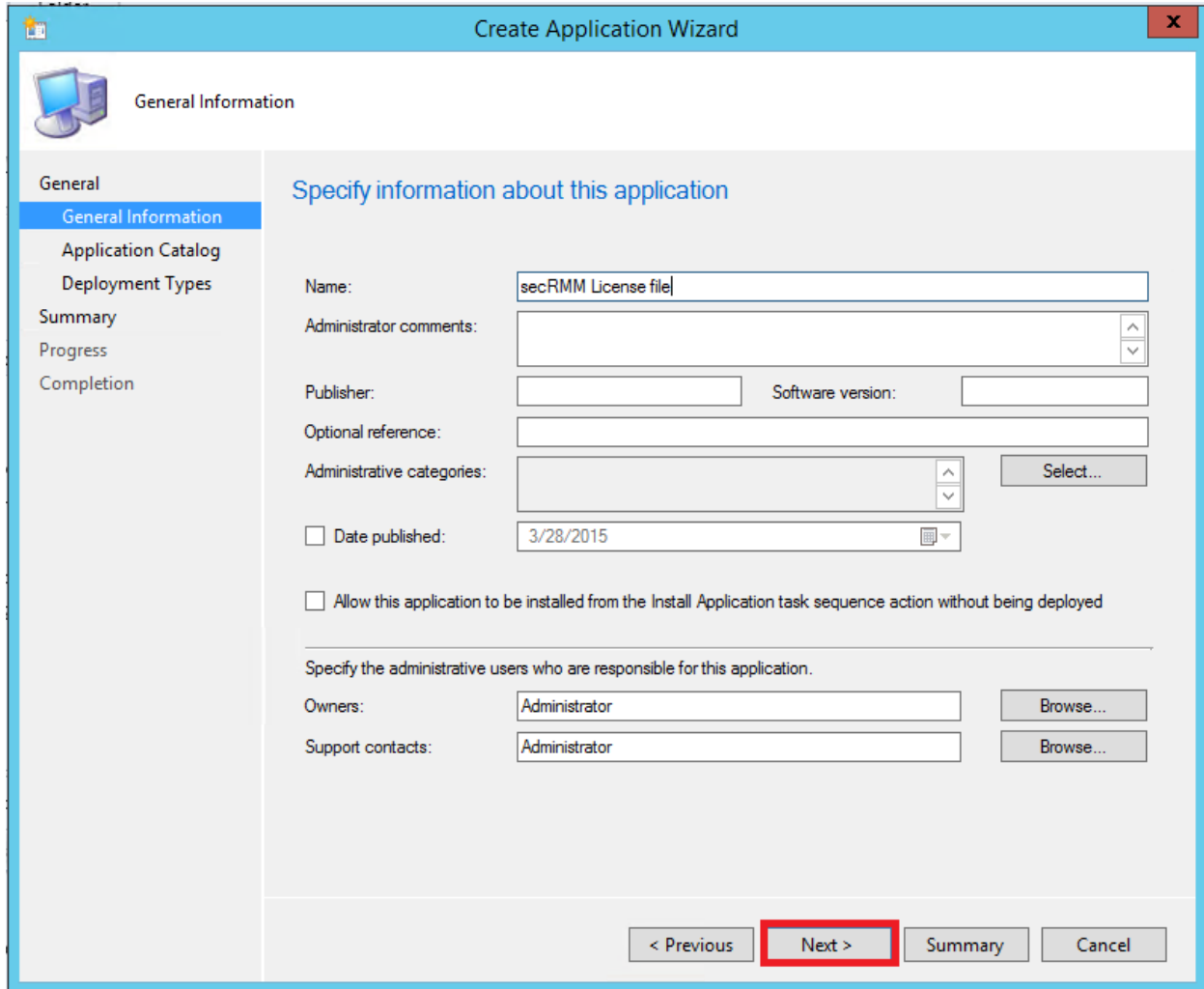
The “Create Application Wizard” will display. Select the “Manually specify the application installation” and click the Next button.

secRMM SCCM Installation Guide



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.

secRMM SCCM Installation Guide



The image shows the 'Create Application Wizard' window in SCCM, specifically the 'General Information' step. The window has a blue title bar and a sidebar on the left with navigation links: General, General Information (selected), Application Catalog, Deployment Types, Summary, Progress, and Completion. The main area is titled 'Specify information about this application'. It contains several input fields: 'Name' (filled with 'secRMM License file'), 'Administrator comments' (empty), 'Publisher' (empty), 'Software version' (empty), 'Optional reference' (empty), 'Administrative categories' (empty with up/down arrows and a 'Select...' button), 'Date published' (checkbox unchecked, date '3/28/2015' with a calendar icon), and a checkbox 'Allow this application to be installed from the Install Application task sequence action without being deployed' (unchecked). Below these is a section 'Specify the administrative users who are responsible for this application.' with 'Owners' and 'Support contacts' (both filled with 'Administrator') and 'Browse...' buttons. At the bottom are four buttons: '< Previous', 'Next >' (highlighted with a red border), 'Summary', and 'Cancel'.

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

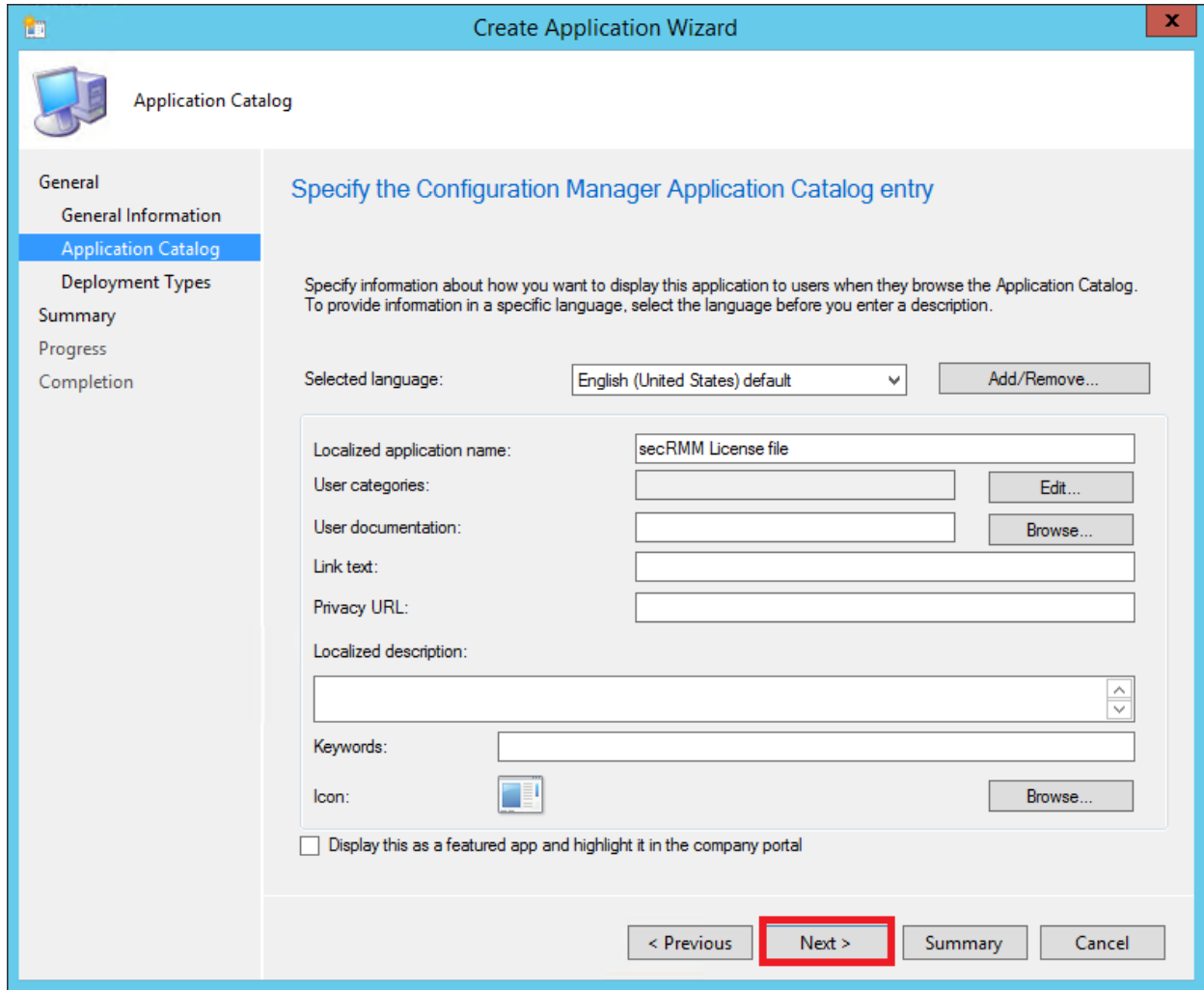
Specify the administrative users who are responsible for this application.

Owners: Administrator Browse...

Support contacts: Administrator Browse...

< Previous Next > Summary Cancel

secRMM SCCM Installation Guide



The screenshot shows the 'Create Application Wizard' window, specifically the 'Application Catalog' step. The left sidebar contains a tree view with 'General' (sub-items: General Information, Application Catalog, Deployment Types, Summary, Progress, Completion) and 'Application Catalog' is selected. The main area is titled 'Specify the Configuration Manager Application Catalog entry'. It contains a 'Selected language' dropdown set to 'English (United States) default' with an 'Add/Remove...' button. Below this is a form with fields for 'Localized application name' (containing 'secRMM License file'), 'User categories' (with an 'Edit...' button), 'User documentation' (with a 'Browse...' button), 'Link text', 'Privacy URL', 'Localized description' (a text area), 'Keywords', and 'Icon' (with a 'Browse...' button). At the bottom of the form is a checkbox labeled 'Display this as a featured app and highlight it in the company portal'. At the bottom of the wizard are four buttons: '< Previous', 'Next >' (highlighted with a red box), 'Summary', and '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:

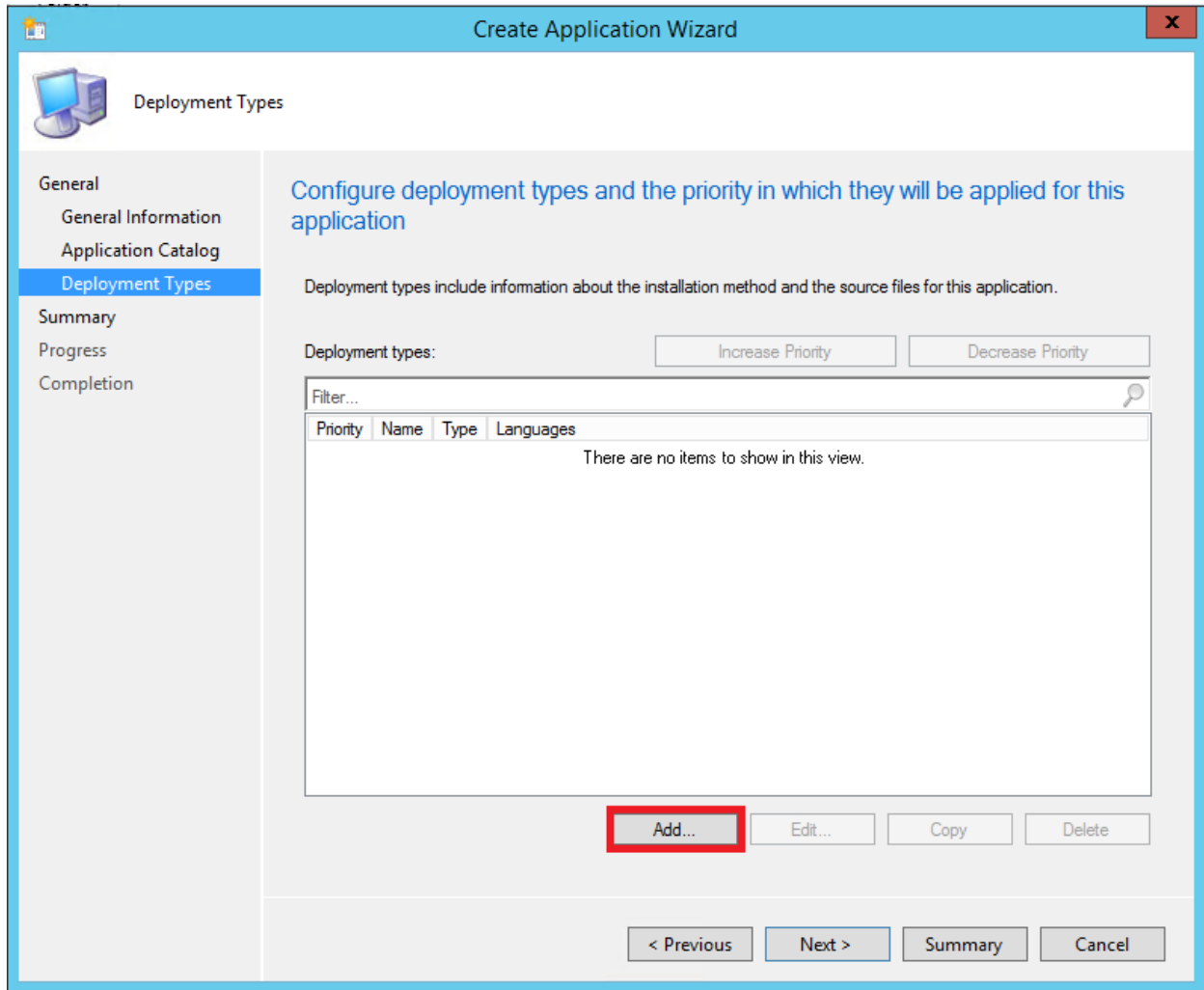
Keywords:

Icon: Browse...

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

< Previous Next > Summary Cancel

secRMM SCCM Installation Guide



secRMM SCCM Installation Guide

Create Deployment Type Wizard

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

secRMM SCCM Installation Guide

The screenshot shows the 'Create Deployment Type Wizard' window with the 'General Information' tab selected. The left sidebar lists the following steps: General, General Information (highlighted), Content, Detection Method, User Experience, Requirements, Dependencies, Summary, Progress, and Completion. The main area is titled 'Specify general information for this deployment type' and includes a descriptive paragraph: 'Applications can have any number of deployment types. Deployment types include links to content and settings that specify how the content is delivered.' Below this, there are three input fields: 'Name:' with the value 'secRMM License file' (highlighted with a red box), 'Administrator comments:' (empty), and 'Languages:' (empty). A 'Select...' button is located to the right of the 'Languages:' field. At the bottom right, there are four buttons: '< Previous', 'Next >' (highlighted with a red box), 'Summary', and '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

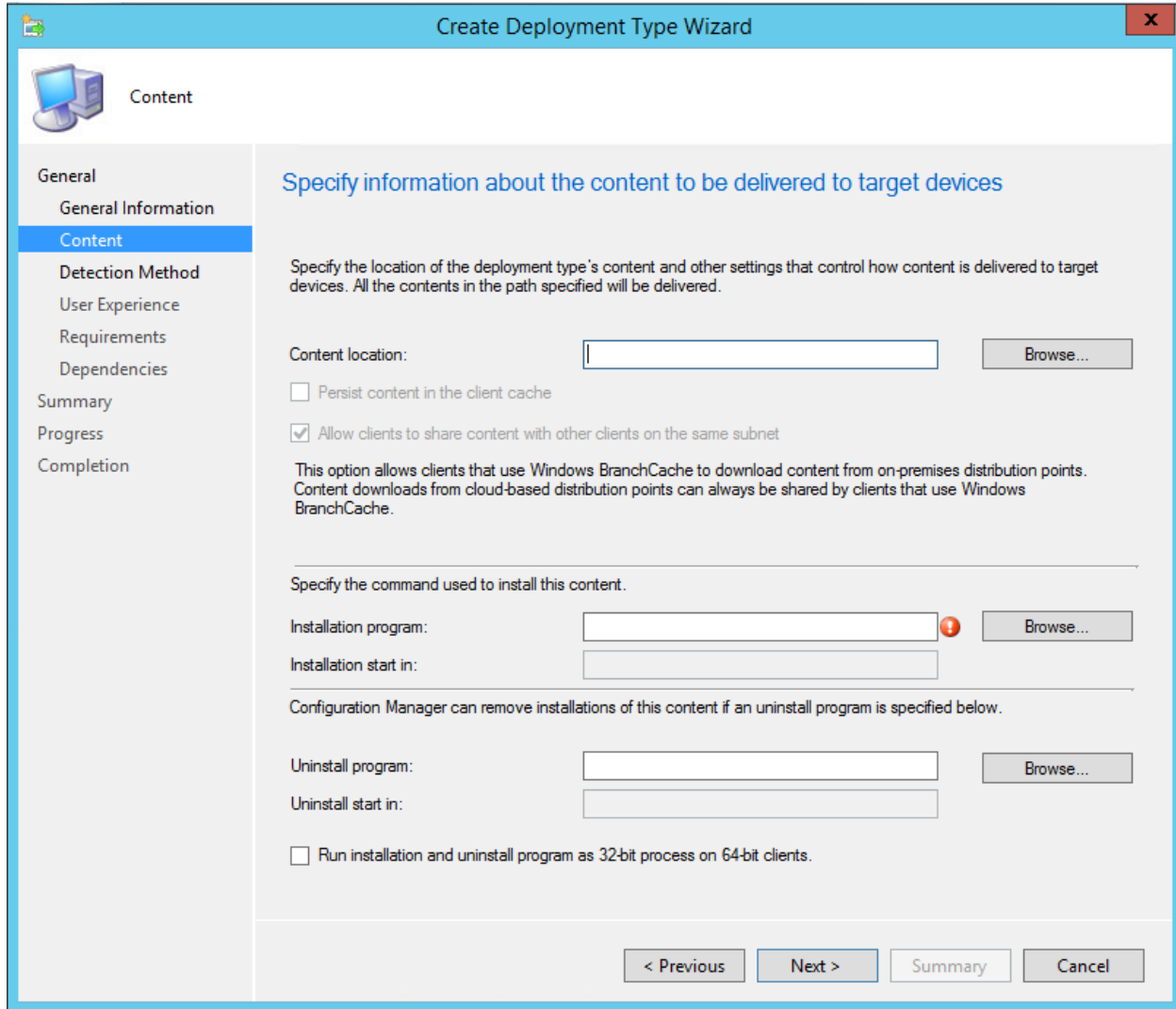
Administrator comments:

Languages:

Select...

< Previous Next > Summary Cancel

secRMM SCCM Installation Guide



The image shows a screenshot of the 'Create Deployment Type Wizard' window, specifically the 'Content' tab. The window has a blue title bar with the text 'Create Deployment Type Wizard' and a close button. On the left side, there is a navigation pane with the following items: 'General', 'General Information', 'Content' (selected), 'Detection Method', 'User Experience', 'Requirements', 'Dependencies', 'Summary', 'Progress', and 'Completion'. The main area of the wizard is titled 'Specify information about the content to be delivered to target devices'. It contains several sections: 1. 'Content location': A text box for specifying the location, followed by a 'Browse...' button. Below this is a checkbox labeled 'Persist content in the client cache'. 2. 'Allow clients to share content': A checked checkbox labeled 'Allow clients to share content with other clients on the same subnet'. Below this is a paragraph explaining that this option allows clients using Windows BranchCache to download content from on-premises distribution points, and that content downloads from cloud-based distribution points can always be shared by clients that use Windows BranchCache. 3. 'Specify the command used to install this content': A section with two text boxes: 'Installation program:' and 'Installation start in:'. The 'Installation program:' box has a red warning icon and a 'Browse...' button. 4. 'Configuration Manager can remove installations of this content if an uninstall program is specified below.': A section with two text boxes: 'Uninstall program:' and 'Uninstall start in:'. The 'Uninstall program:' box has a 'Browse...' button. 5. 'Run installation and uninstall program as 32-bit process on 64-bit clients.': A checkbox at the bottom of the main area. At the bottom of the wizard, there are four buttons: '< Previous', 'Next >', 'Summary', and '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.

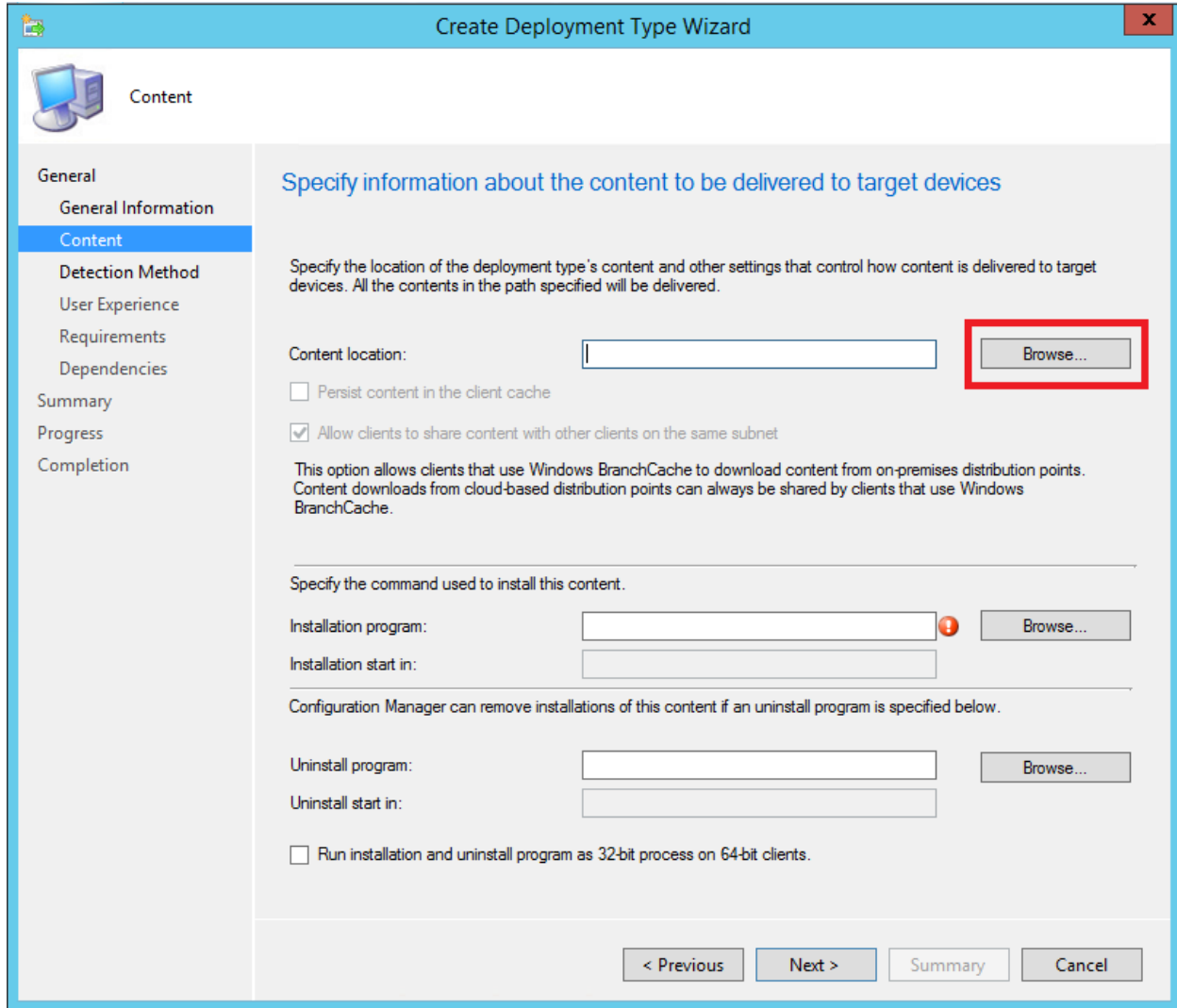
Uninstall program: Browse...

Uninstall start in:

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

< Previous Next > Summary Cancel

secRMM SCCM Installation Guide



The screenshot shows the 'Create Deployment Type Wizard' window, specifically the 'Content' tab. The left sidebar contains a list of tabs: General, General Information, Content (selected), Detection Method, User Experience, Requirements, Dependencies, Summary, Progress, and Completion. The main area is titled 'Specify information about the content to be delivered to target devices'. It contains several input fields and checkboxes. The 'Content location' field is empty, and the 'Browse...' button next to it is highlighted with a red rectangle. Below this, there are two checkboxes: 'Persist content in the client cache' (unchecked) and 'Allow clients to share content with other clients on the same subnet' (checked). A descriptive text block explains that this option allows clients using Windows BranchCache to download content from on-premises distribution points. Below this, there is a section for specifying the command used to install the content, with fields for 'Installation program' and 'Installation start in', and a 'Browse...' button. Another section for uninstallation has fields for 'Uninstall program' and 'Uninstall start in', and another 'Browse...' button. At the bottom, there is a checkbox for 'Run installation and uninstall program as 32-bit process on 64-bit clients.' and a set of navigation buttons: '< Previous', 'Next >', 'Summary', and 'Cancel'.

Content

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:

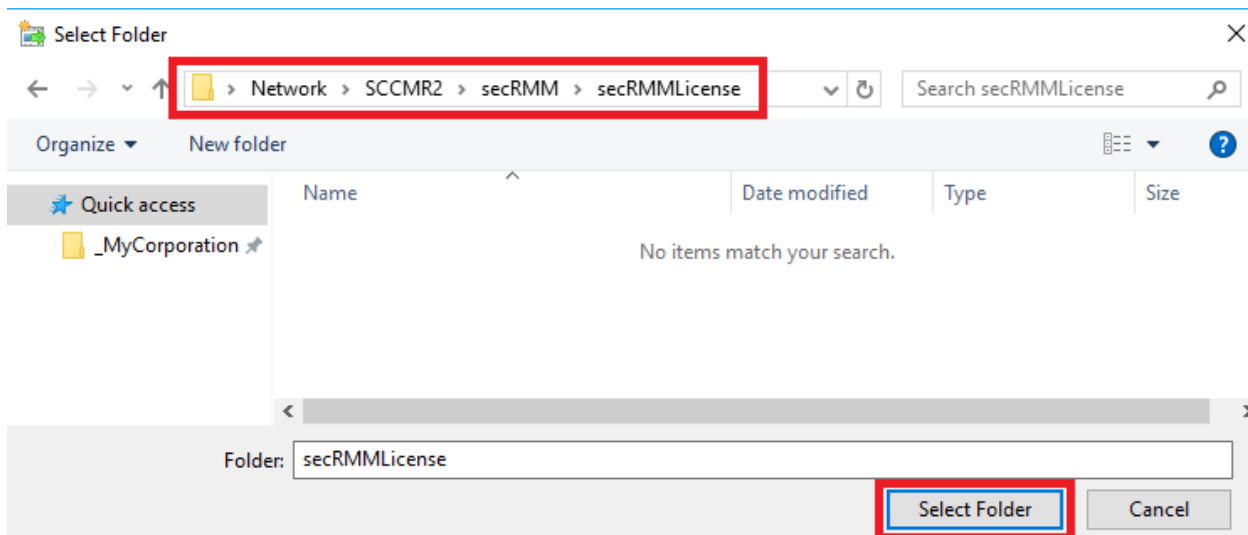
Configuration Manager can remove installations of this content if an uninstall program is specified below.

Uninstall program: **Browse...**

Uninstall start in:

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

< Previous Next > Summary Cancel



The screenshot shows the 'Select Folder' dialog box. The address bar shows the path: Network > SCCMR2 > secRMM > secRMMLicense. The 'secRMMLicense' folder is highlighted. The search bar contains the text 'Search secRMMLicense'. The left sidebar shows 'Quick access' and '_MyCorporation'. The main area shows a table with columns: Name, Date modified, Type, and Size. The table is empty, and the message 'No items match your search.' is displayed. At the bottom, the 'Folder:' field contains the text 'secRMMLicense', and the 'Select Folder' button is highlighted with a red rectangle.

Select Folder

Network > SCCMR2 > secRMM > secRMMLicense

Search secRMMLicense

Organize New folder

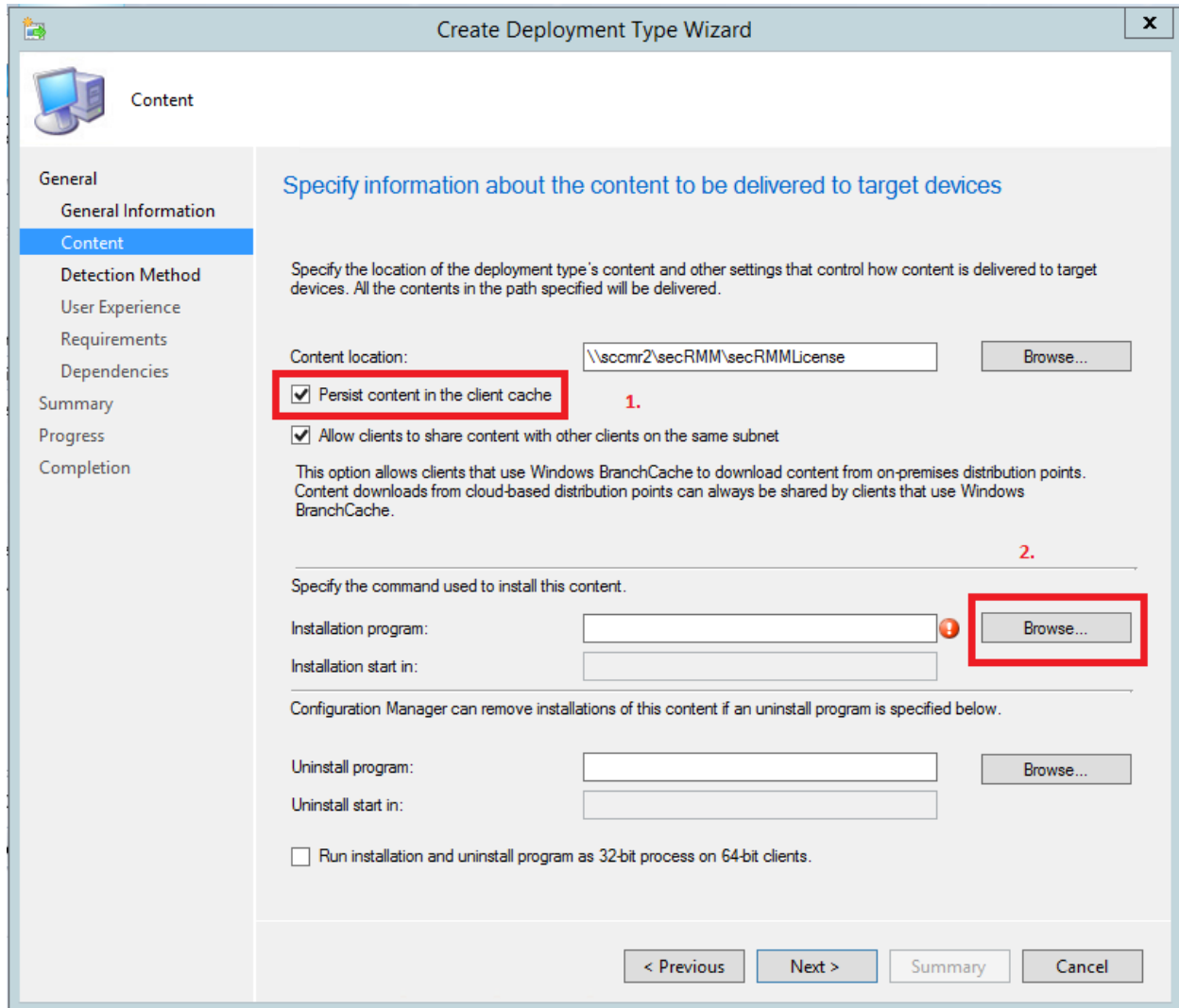
Quick access

_MyCorporation

No items match your search.

Folder: secRMMLicense **Select Folder** Cancel

secRMM SCCM Installation Guide



The screenshot shows the 'Create Deployment Type Wizard' window, specifically the 'Content' tab. The left sidebar lists various configuration steps, with 'Content' selected. The main area is titled 'Specify information about the content to be delivered to target devices'. It contains several input fields and checkboxes. A red box highlights the 'Persist content in the client cache' checkbox, which is checked. Another red box highlights the 'Browse...' button next to the 'Installation program' field. The path '\\sccmr2\secRMM\secRMMLicense' is entered in the 'Content location' field. The 'Next >' button is visible at the bottom right.

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.

Specify the command used to install this content. 2.

Installation program: **Browse...**

Installation start in:

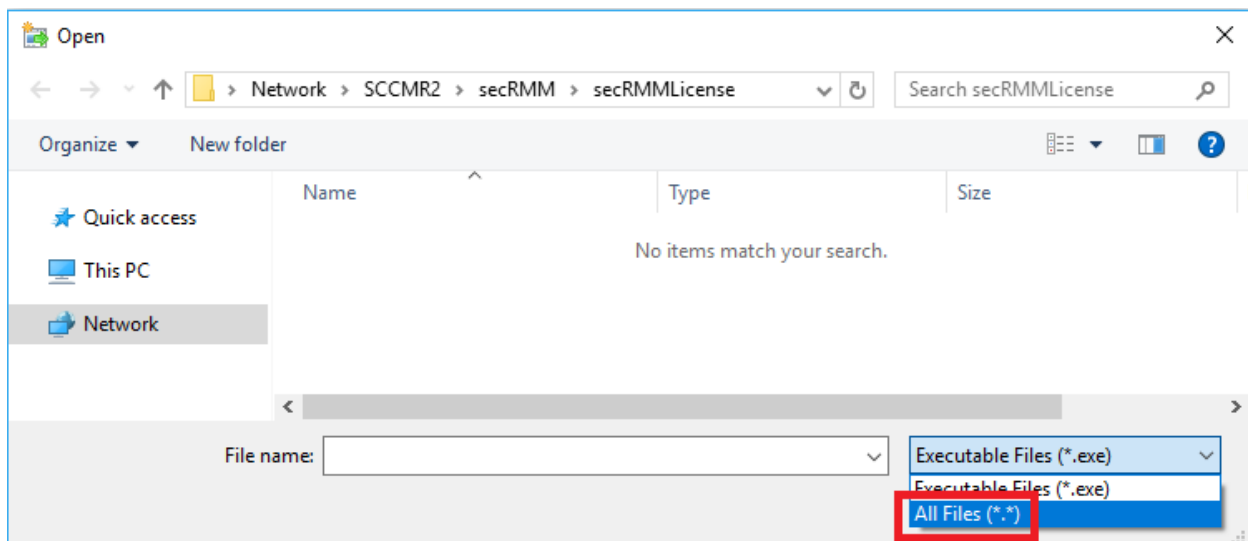
Configuration Manager can remove installations of this content if an uninstall program is specified below.

Uninstall program: **Browse...**

Uninstall start in:

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

< Previous Next > Summary Cancel



The screenshot shows an 'Open' file dialog window. The address bar shows the path 'Network > SCCMR2 > secRMM > secRMMLicense'. The search bar contains 'Search secRMMLicense'. The file list is empty, and a message 'No items match your search.' is displayed. The 'File name' field is empty. The file type dropdown is set to 'Executable Files (*.exe)', and the 'All Files (*.*)' option is highlighted in the dropdown menu.

Open

Network > SCCMR2 > secRMM > secRMMLicense Search secRMMLicense

Organize New folder

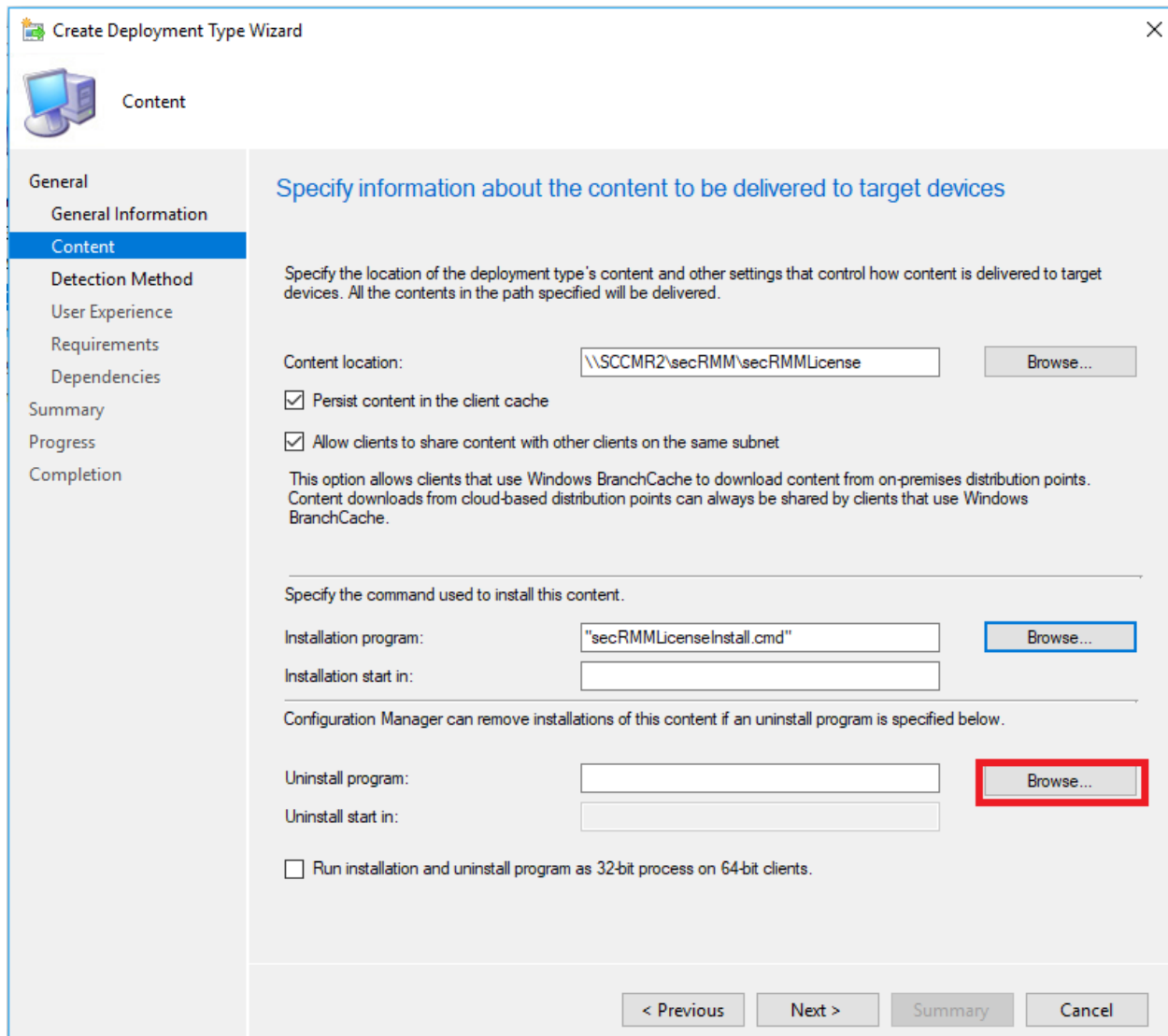
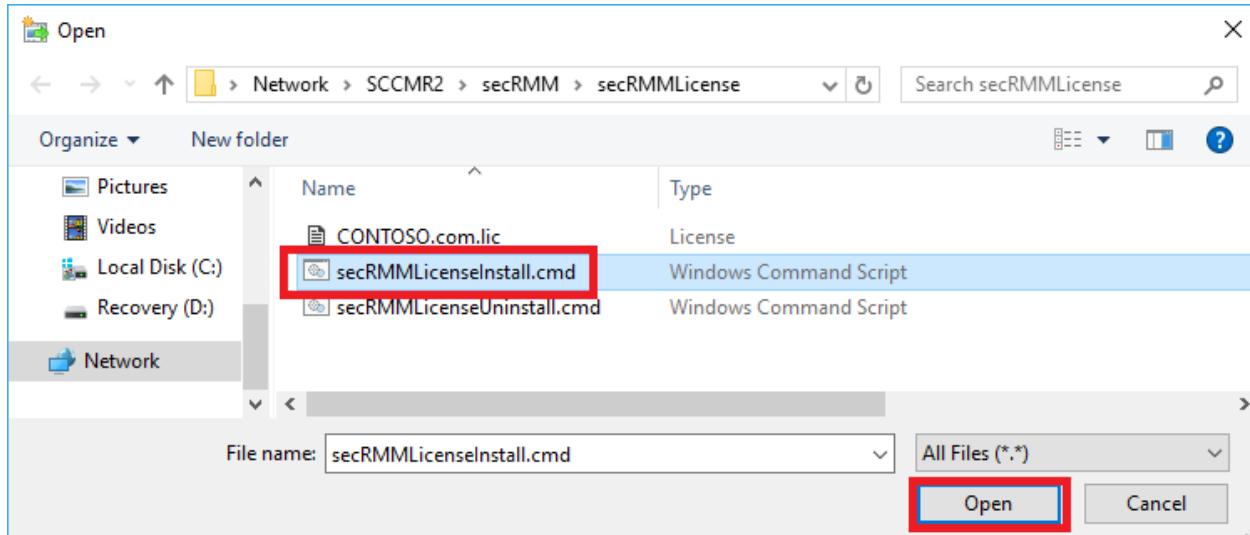
Quick access
This PC
Network

Name Type Size

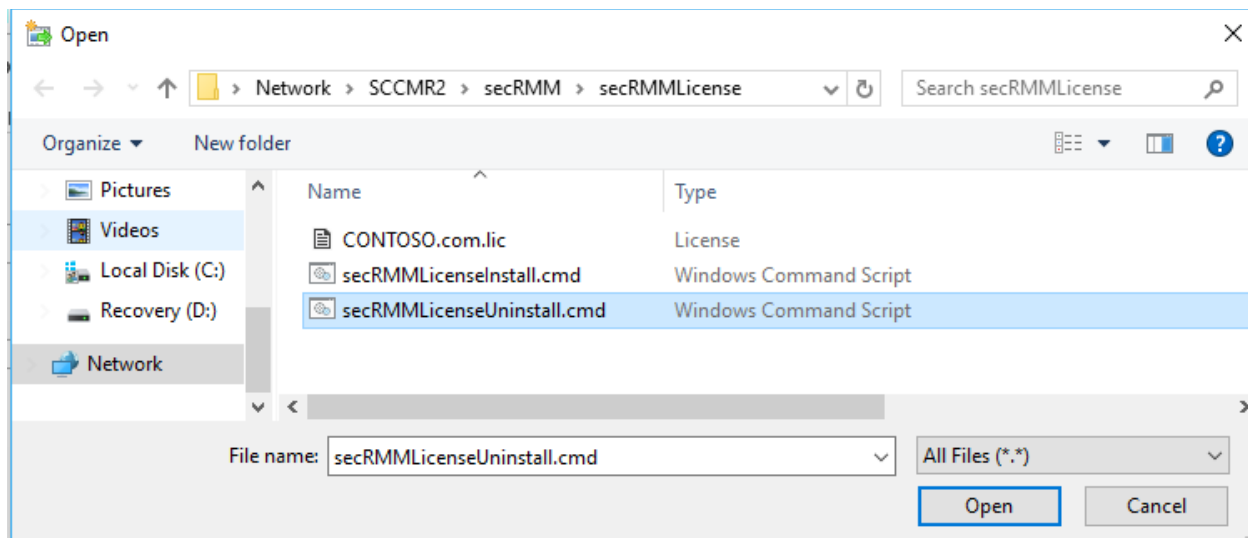
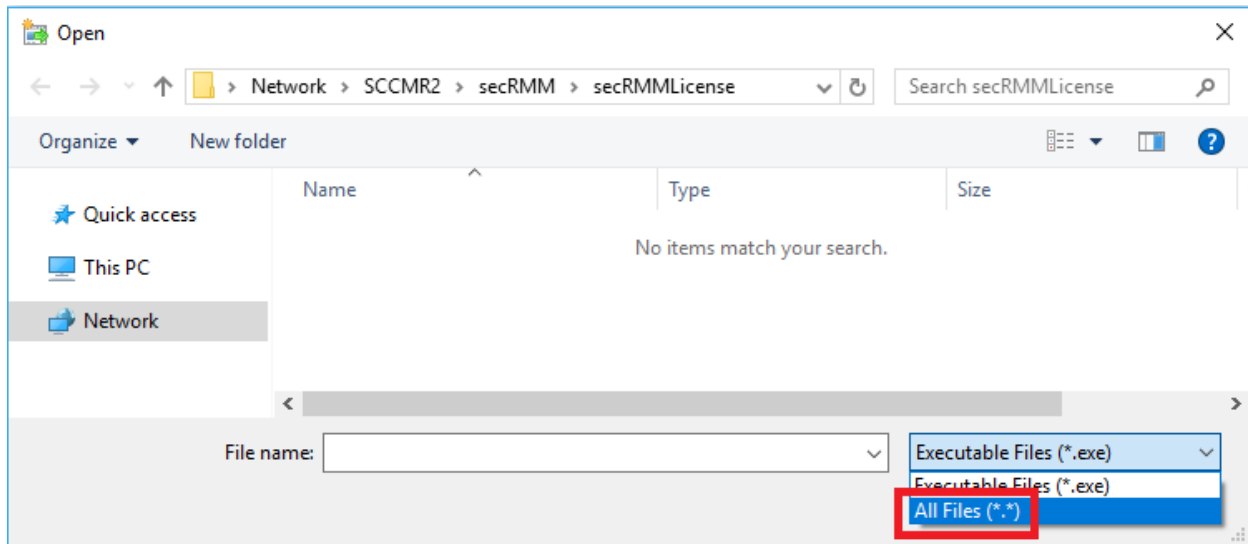
No items match your search.

File name: Executable Files (*.exe)
Executable Files (*.exe)
All Files (*.*)

secRMM SCCM Installation Guide




secRMM SCCM Installation Guide



secRMM SCCM Installation Guide

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:

☒ 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:

Installation start in:

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

Uninstall program:

Uninstall start in:

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

< Previous

Next >

Summary

Cancel

secRMM SCCM Installation Guide

The screenshot shows the 'Create Deployment Type Wizard' window, specifically the 'Detection Method' step. The window has a blue title bar with the text 'Create Deployment Type Wizard' and a close button. On the left, there is a navigation pane with the following items: 'General', 'General Information', 'Content', 'Detection Method' (highlighted), 'User Experience', 'Requirements', 'Dependencies', 'Summary', 'Progress', and 'Completion'. The main area is titled 'Specify how this deployment type is detected'. Below this title, there is a paragraph: '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.' There are two radio buttons: the first is selected and labeled 'Configure rules to detect the presence of this deployment type:', and the second is labeled 'Use a custom script to detect the presence of this deployment type:'. The first option leads to a table with two columns: 'Connector' and 'Clause'. The table is currently empty. To the right of the table are three buttons: 'Add Clause...' (highlighted with a red rectangle), 'Edit Clause...', and 'Delete Clause...'. Below these buttons are two more buttons: 'Group' and 'Ungroup'. The second radio button leads to fields for 'Script type:' and 'Script length:', each with a text box, and an 'Edit...' button. At the bottom of the window are four buttons: '< Previous', 'Next >', 'Summary', and '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:

< Previous Next > Summary Cancel

secRMM SCCM Installation Guide

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: ! **Browse...**

File or folder name: !

☐ 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

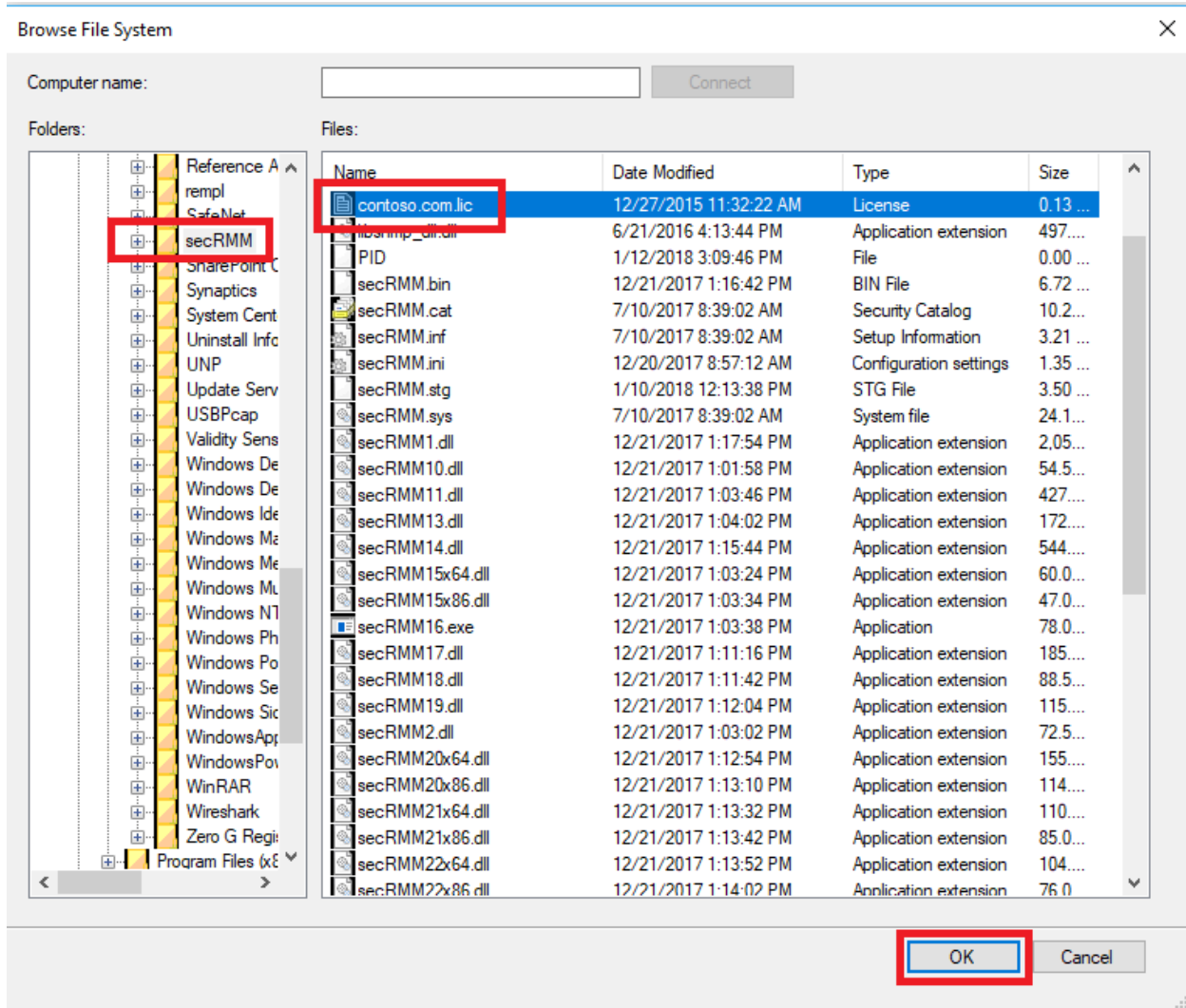
Operator: Equals

Value:

OK Cancel

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).

secRMM SCCM Installation Guide



Make sure the checkbox is not checked.

secRMM SCCM Installation Guide

Detection Rule [X]

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

secRMM SCCM Installation Guide

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

Edit...

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

Script type:

Script length:

< Previous

Next >

Summary

Cancel

secRMM SCCM Installation Guide

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

secRMM SCCM Installation Guide

The screenshot shows the 'Create Deployment Type Wizard' window, specifically the 'Requirements' step. The window has a blue title bar with the text 'Create Deployment Type Wizard' and a close button. On the left is a navigation pane with the following items: 'General' (with a sub-menu 'General Information'), 'Content', 'Detection Method', 'User Experience', 'Requirements' (highlighted in blue), 'Dependencies', 'Summary', 'Progress', and 'Completion'. The main area is titled 'Specify installation requirements for this deployment type'. It contains a text box with the instruction: '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.' Below this is a section labeled 'Requirements:' containing a table with columns 'Requirement Type', 'Operator', and 'Values'. The table is currently empty, with the text 'There are no items to show in this view.' displayed inside. Above the table is a search bar labeled 'Filter...'. To the right of the table are three buttons: 'Add...', 'Edit...', and 'Delete'. At the bottom of the window are four buttons: '< Previous', 'Next >' (highlighted with a red rectangle), 'Summary', and 'Cancel'.

Requirements

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.

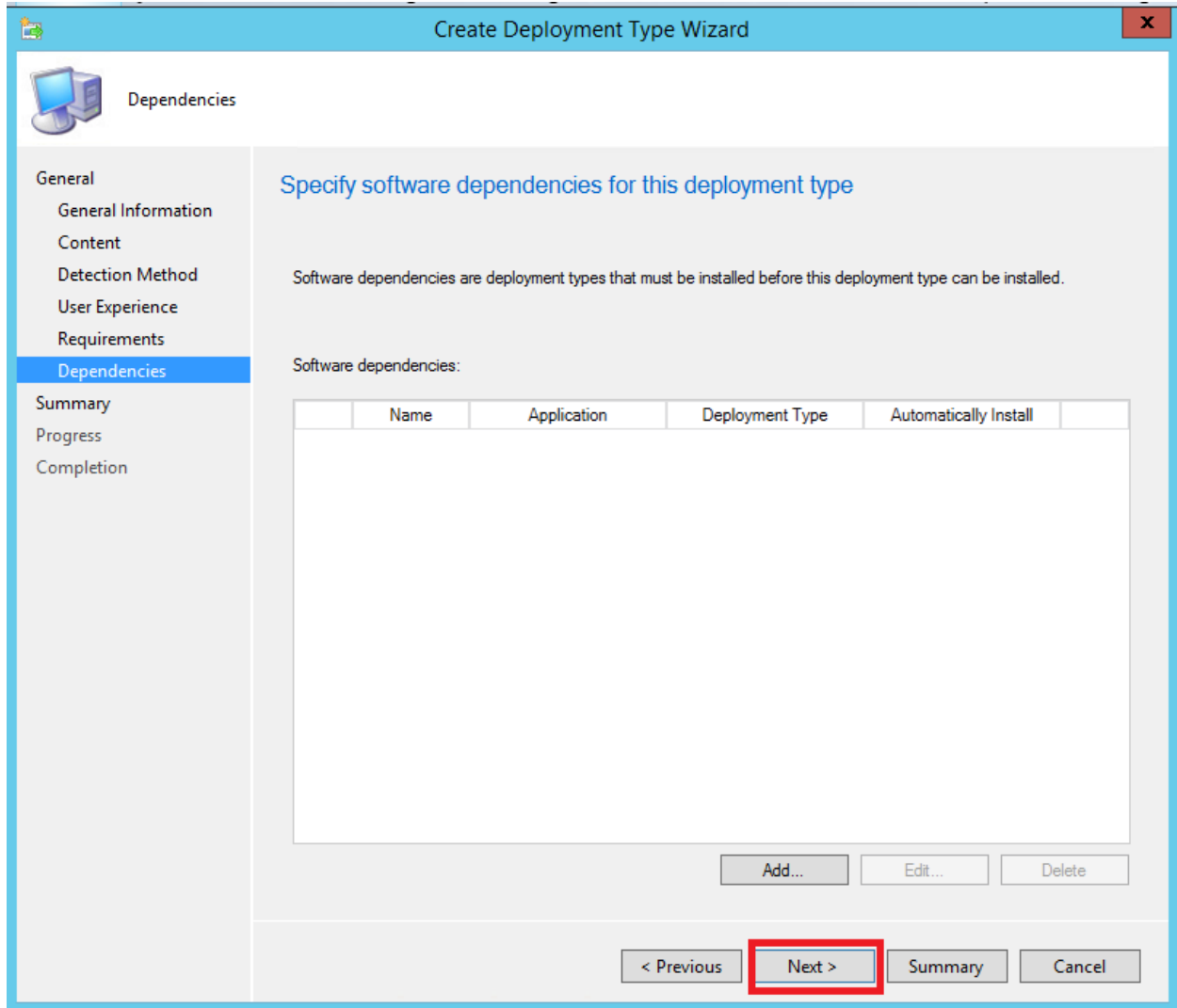
Requirements:

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

Buttons: Add... Edit... Delete

Navigation: < Previous Next > Summary Cancel

secRMM SCCM Installation Guide



The screenshot shows the 'Create Deployment Type Wizard' window, specifically the 'Dependencies' step. The left sidebar contains a list of steps: General, General Information, Content, Detection Method, User Experience, Requirements, Dependencies (highlighted), Summary, Progress, and Completion. The main area is titled 'Specify software dependencies for this deployment type'. It includes a description: 'Software dependencies are deployment types that must be installed before this deployment type can be installed.' Below this is a table for 'Software dependencies:' with columns: Name, Application, Deployment Type, and Automatically Install. The table is currently empty. At the bottom right of the table area are buttons for 'Add...', 'Edit...', and 'Delete'. At the very bottom of the wizard are buttons for '< Previous', 'Next >' (highlighted with a red box), 'Summary', and '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

secRMM SCCM Installation Guide

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

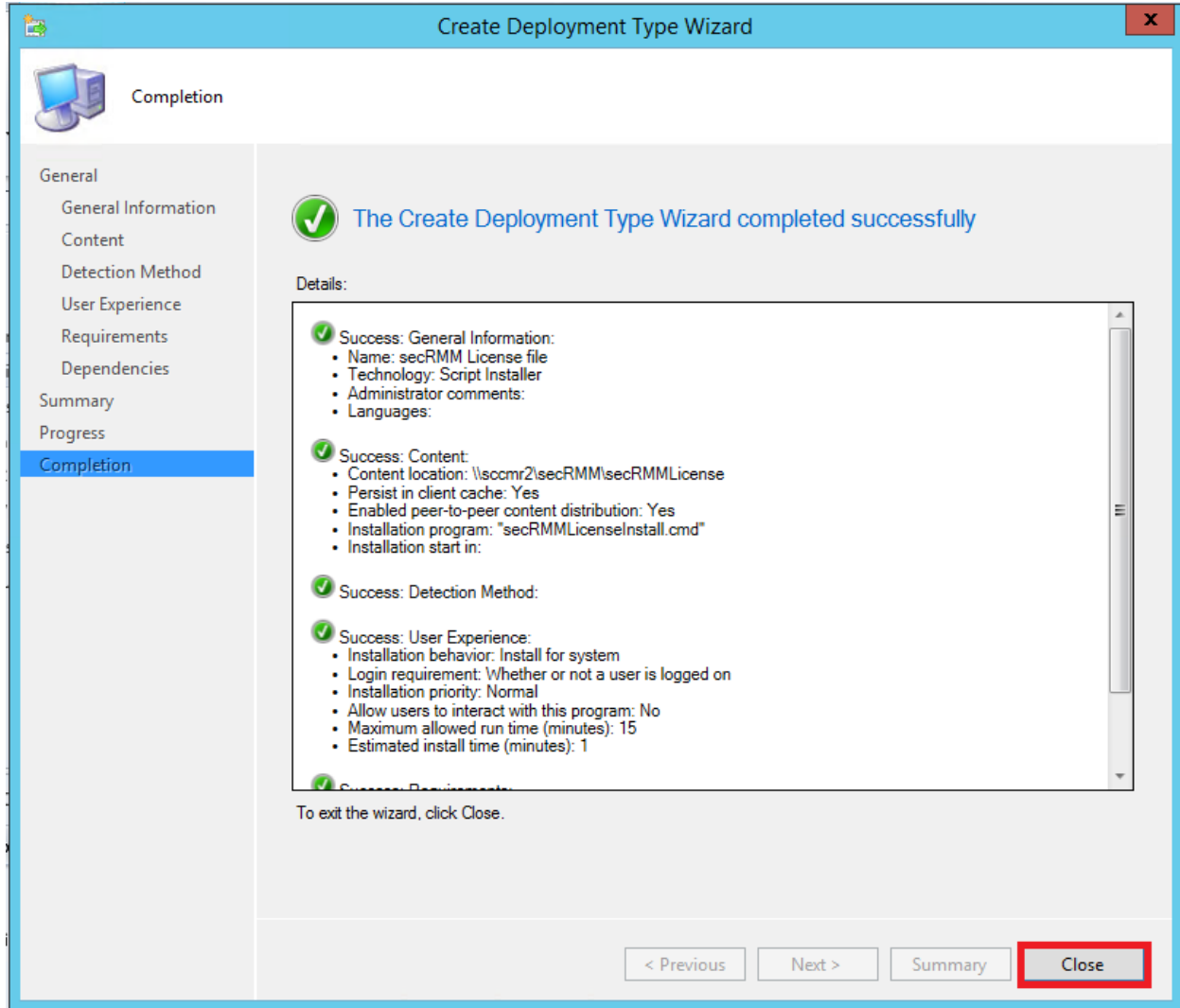
Requirements:

Dependencies:

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

< Previous Next > Summary Cancel

secRMM SCCM Installation Guide



secRMM SCCM Installation Guide

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

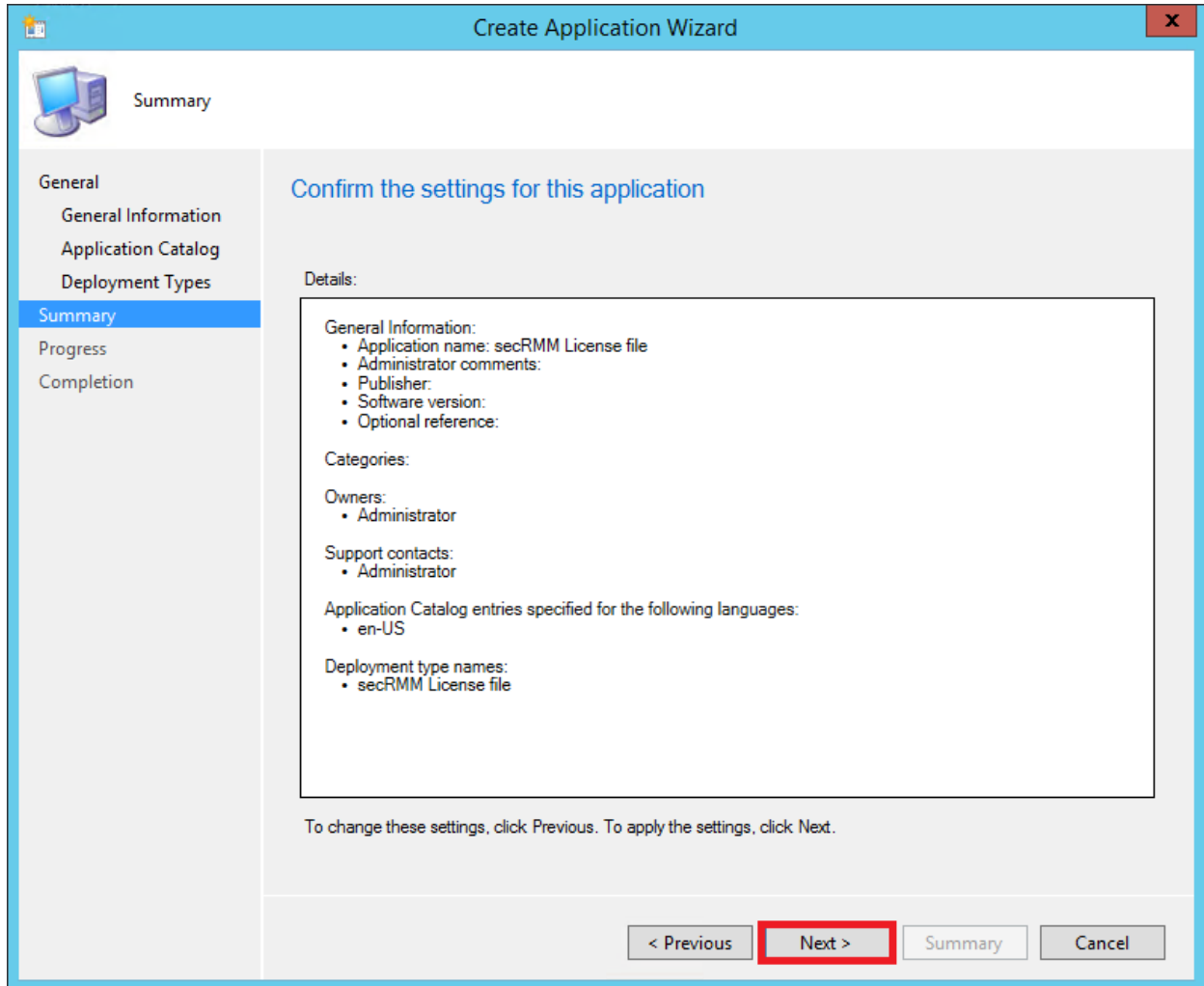
Deployment types include information about the installation method and the source files for this application.

Deployment types:

Filter...

Priority	Name	Type	Languages
1	secRMM License file	Script	

secRMM SCCM Installation Guide



The image shows the 'Create Application Wizard' window, specifically the 'Summary' step. The window has a blue title bar with the text 'Create Application Wizard' and a close button. On the left, there is a sidebar with a tree view containing 'General', 'Progress', and 'Completion'. Under 'General', there are sub-items: 'General Information', 'Application Catalog', 'Deployment Types', and 'Summary' (which is selected and highlighted in blue). The main area of the wizard is titled 'Confirm the settings for this application'. Below this title, there is a 'Details:' section containing a list of application settings. At the bottom of the wizard, there are four buttons: '< Previous', 'Next >' (which is highlighted with a red border), 'Summary', and 'Cancel'. Below the 'Details' section, there is a line of text: 'To change these settings, click Previous. To apply the settings, click Next.'

Summary

General

- General Information
- Application Catalog
- Deployment Types
- Summary
- Progress
- Completion

Confirm the settings for this application

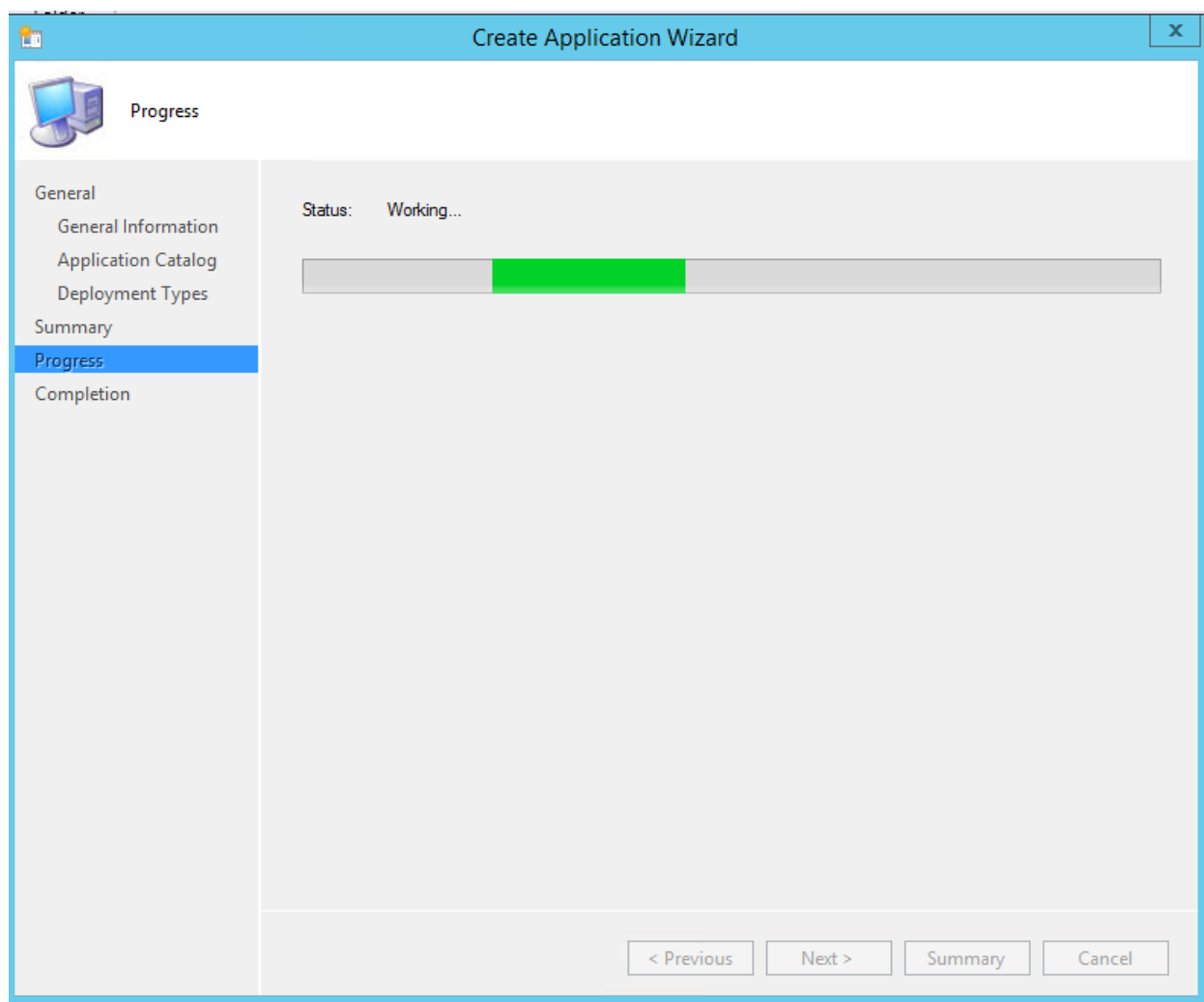
Details:

- 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

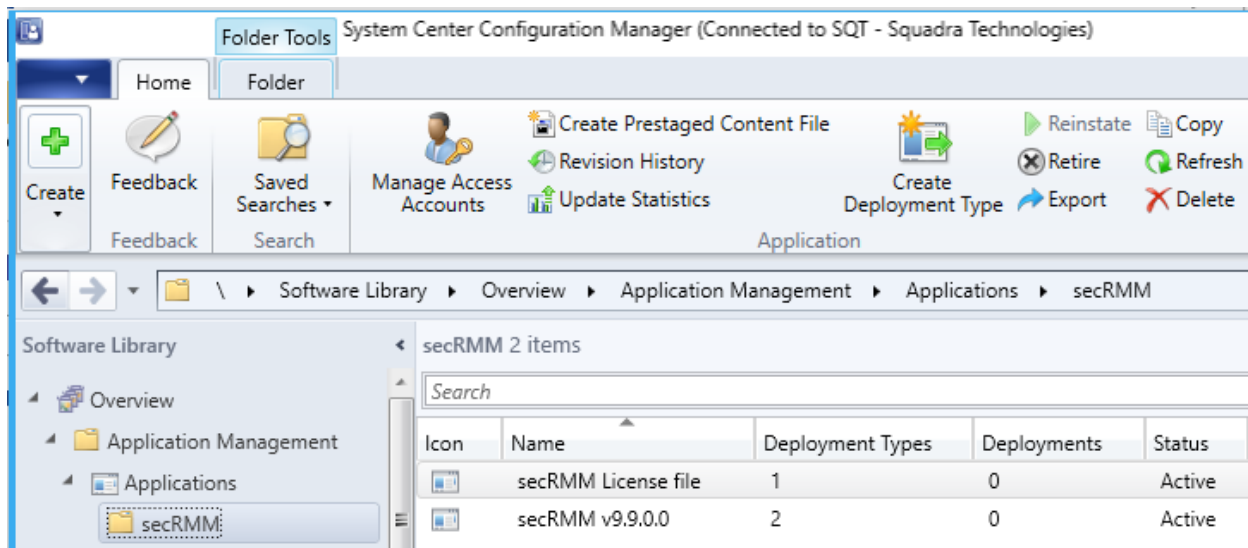
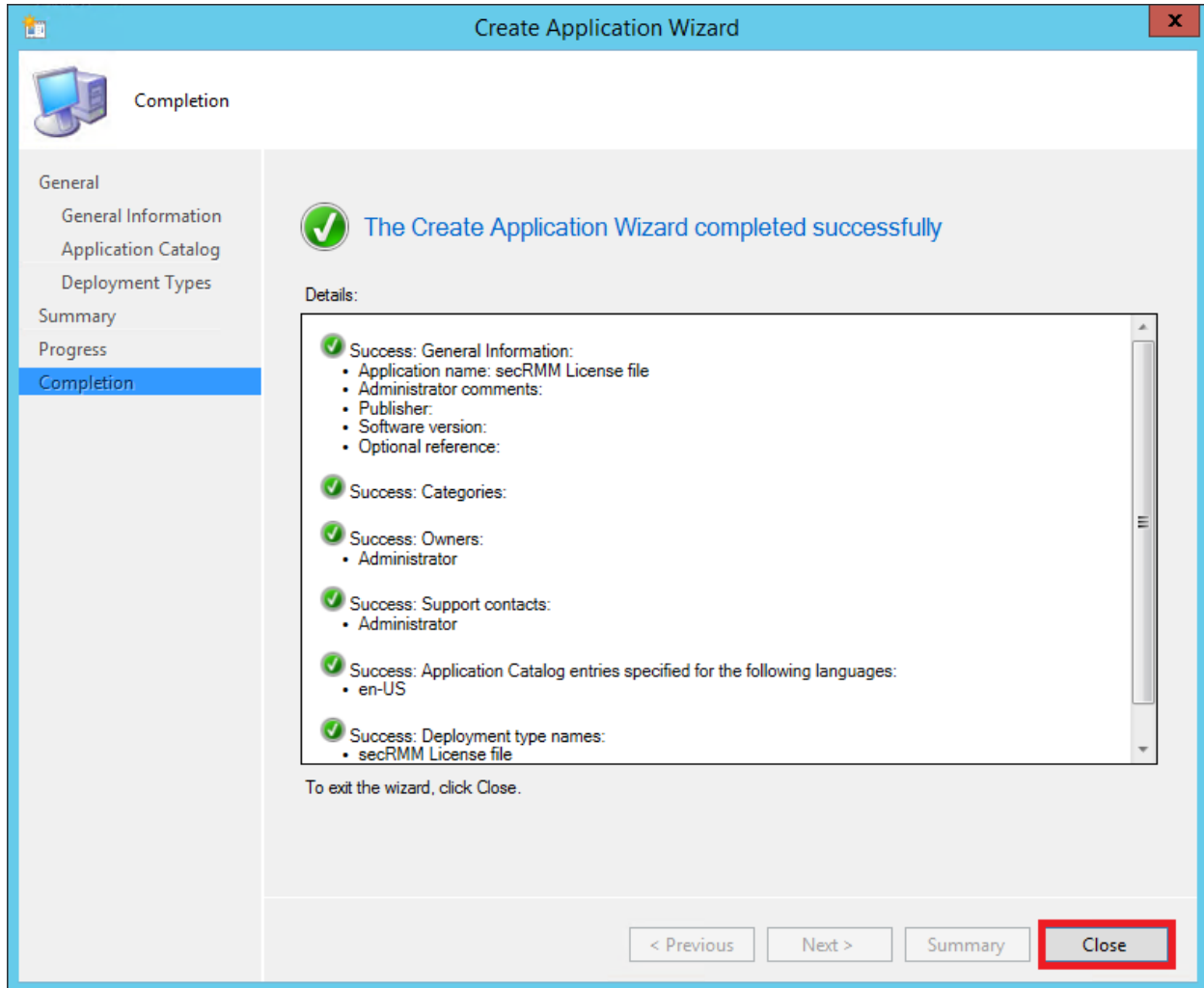
To change these settings, click Previous. To apply the settings, click Next.

< Previous Next > Summary Cancel

secRMM SCCM Installation Guide

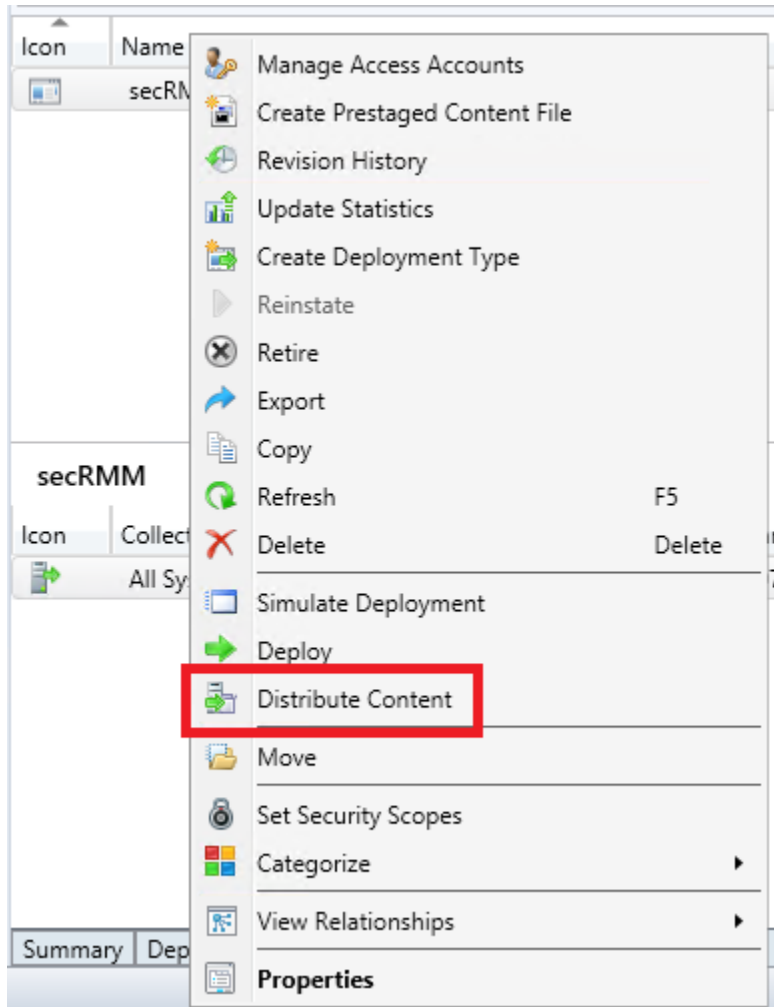


secRMM SCCM Installation Guide

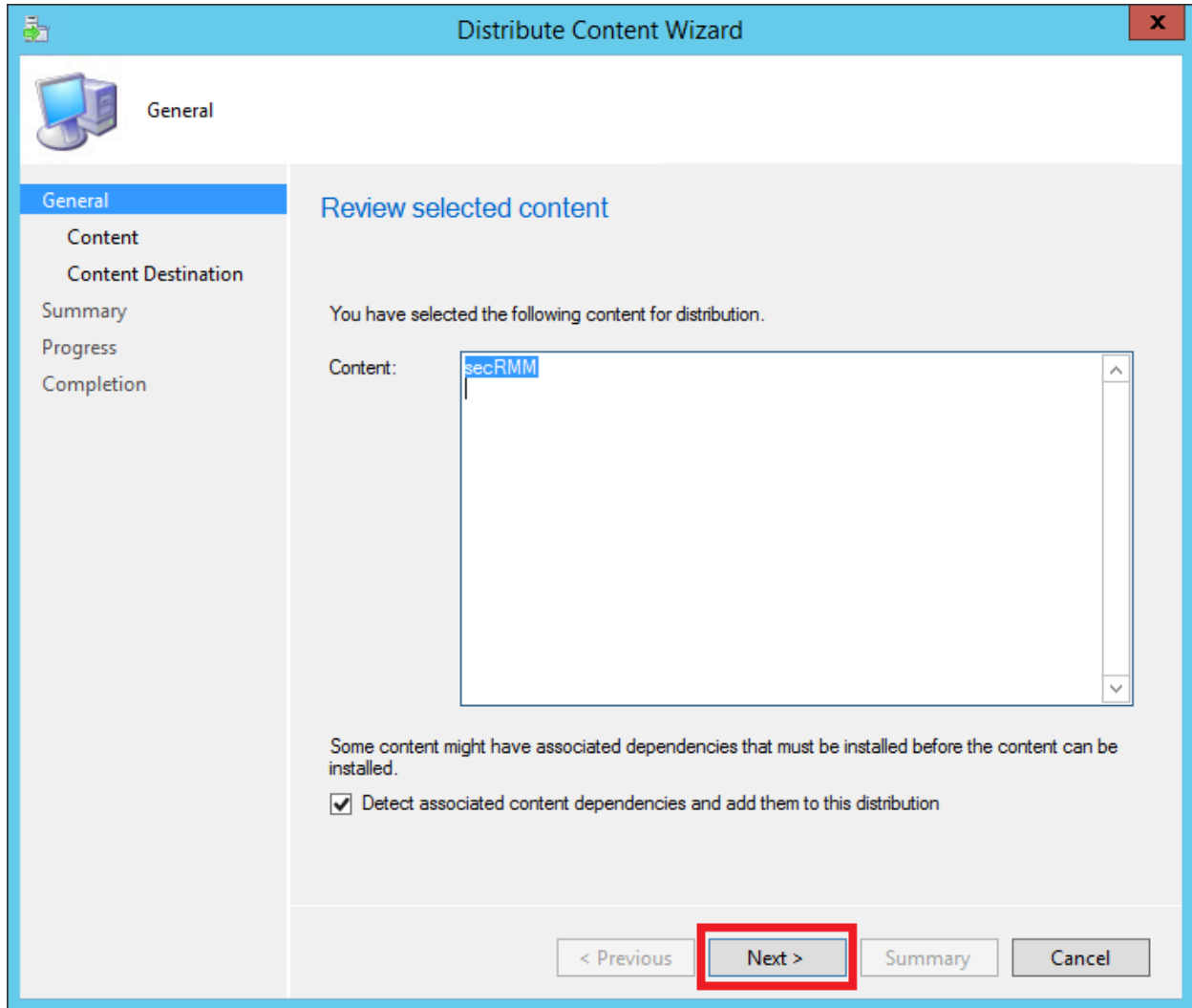


Distribute the secRMM application content to SCCM Distribution Points

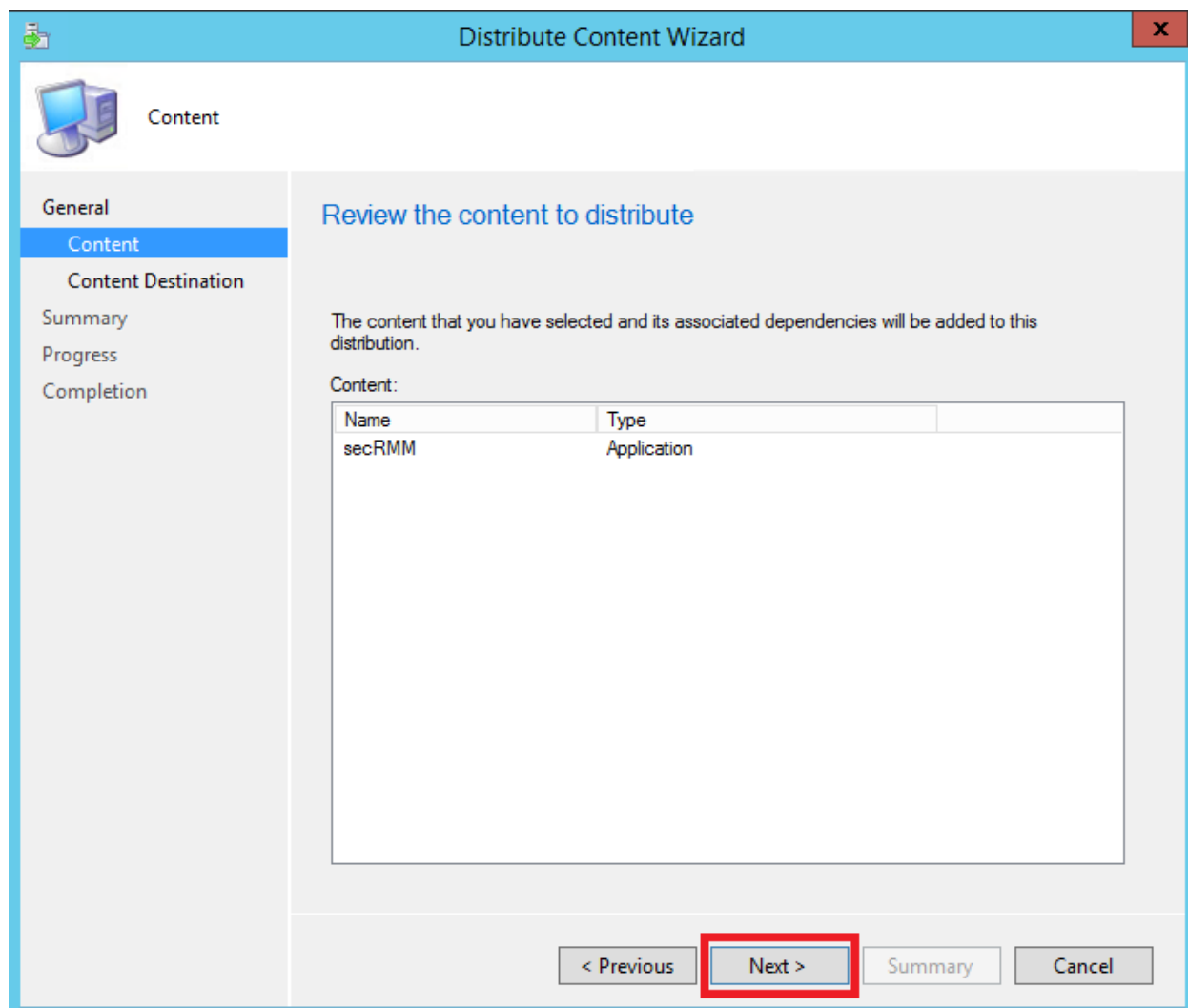
Distribute the application content to your SCCM Distribution Points. The data in the screenshots below will be much different than your environment but the screenshots will give you a general idea of how to distribute the secRMM SCCM applications.



secRMM SCCM Installation Guide



secRMM SCCM Installation Guide



secRMM SCCM Installation Guide

Distribute Content Wizard

Content Destination

Specify the content destination

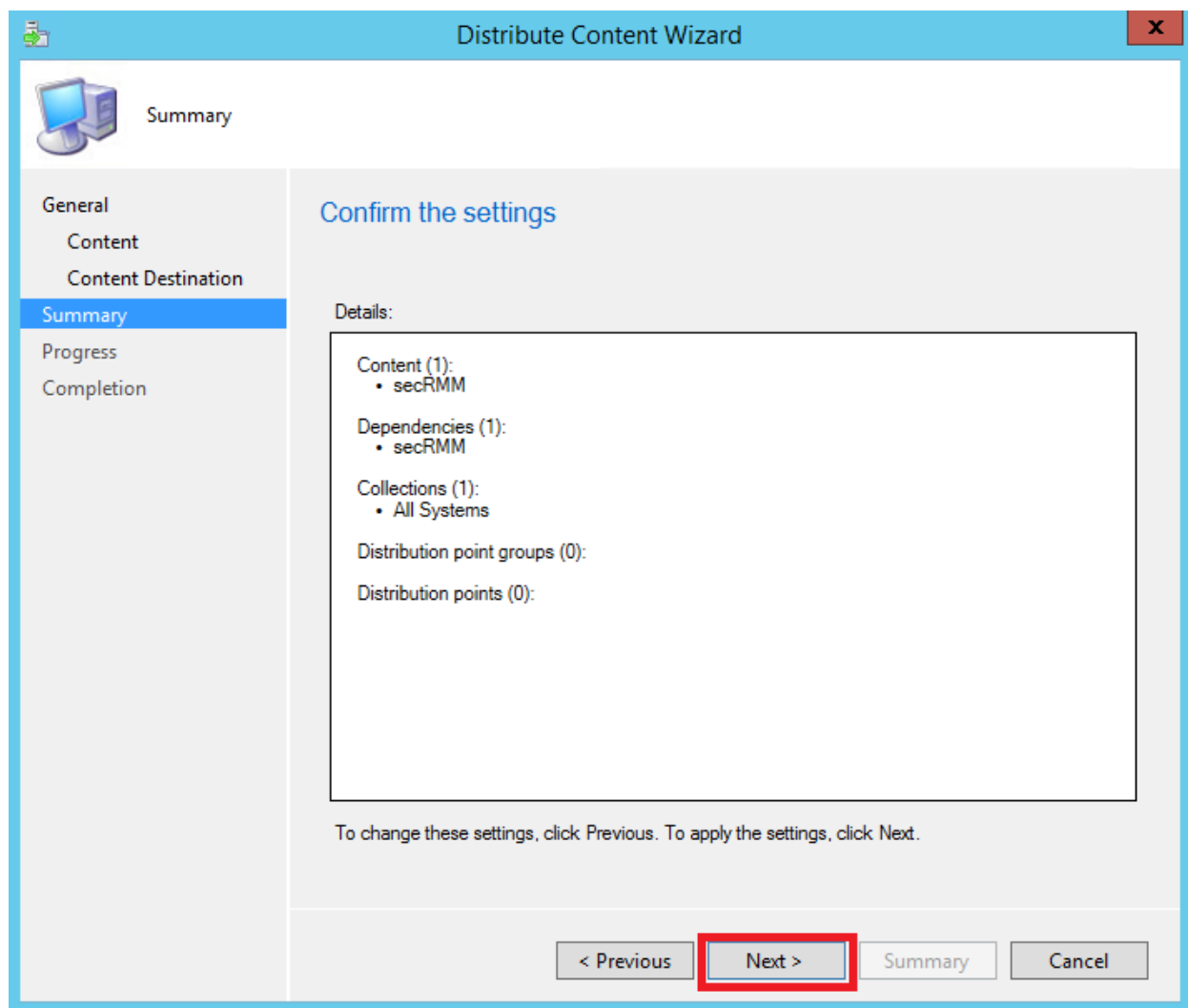
Content will be distributed to the following distribution points, distribution point groups, and the distribution point groups that are currently associated with collections.

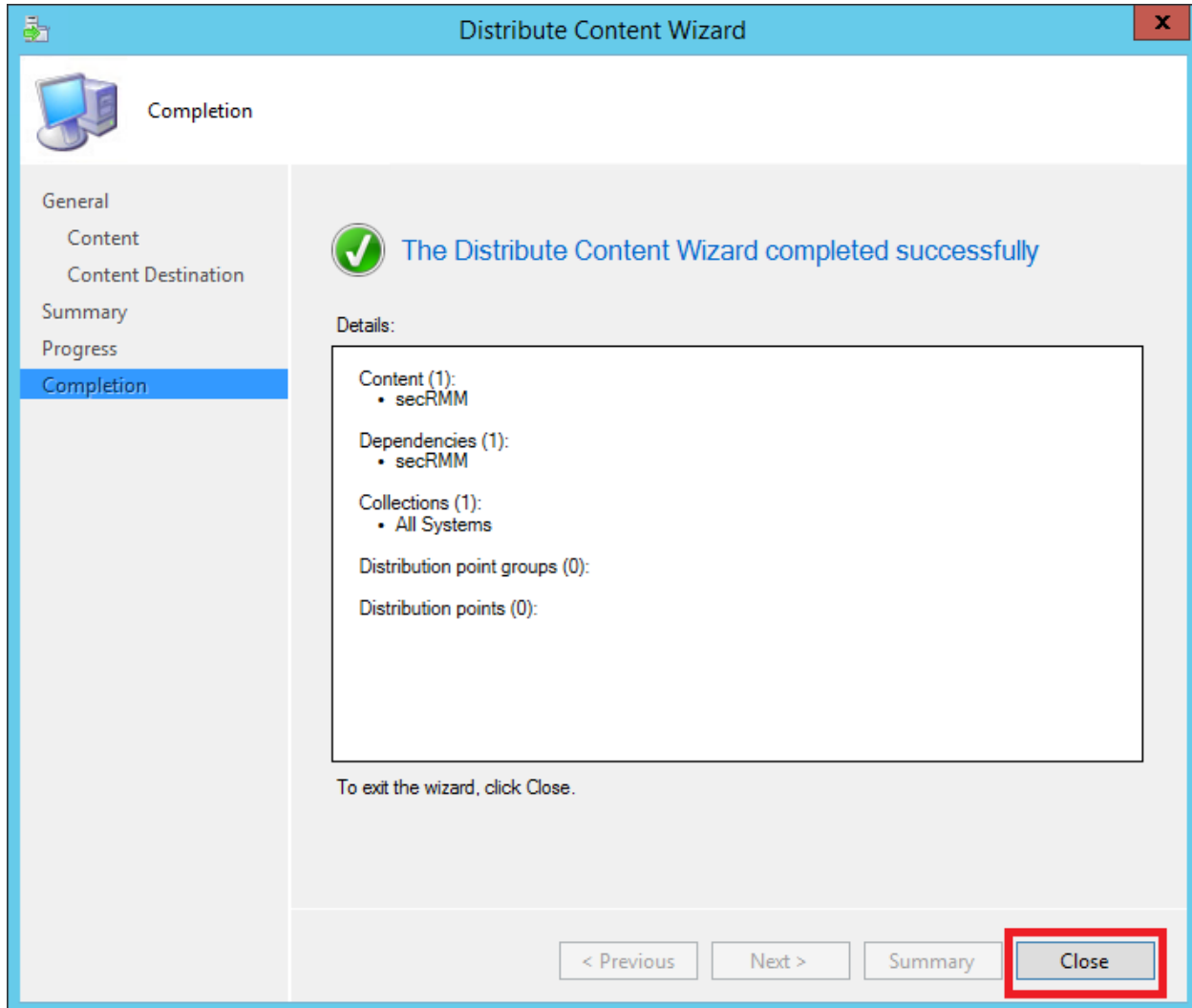
Content destination:

Name	Description	Associations
All Systems	Collection	1

Next >

secRMM SCCM Installation Guide



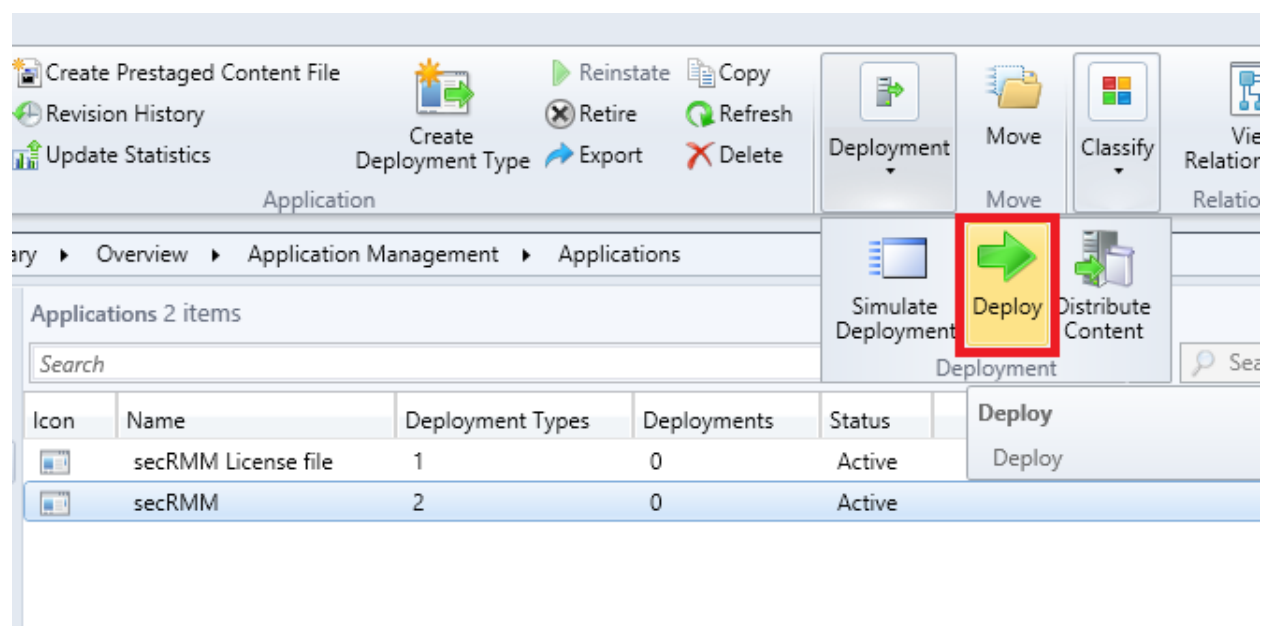


Deploy the SCCM secRMM applications

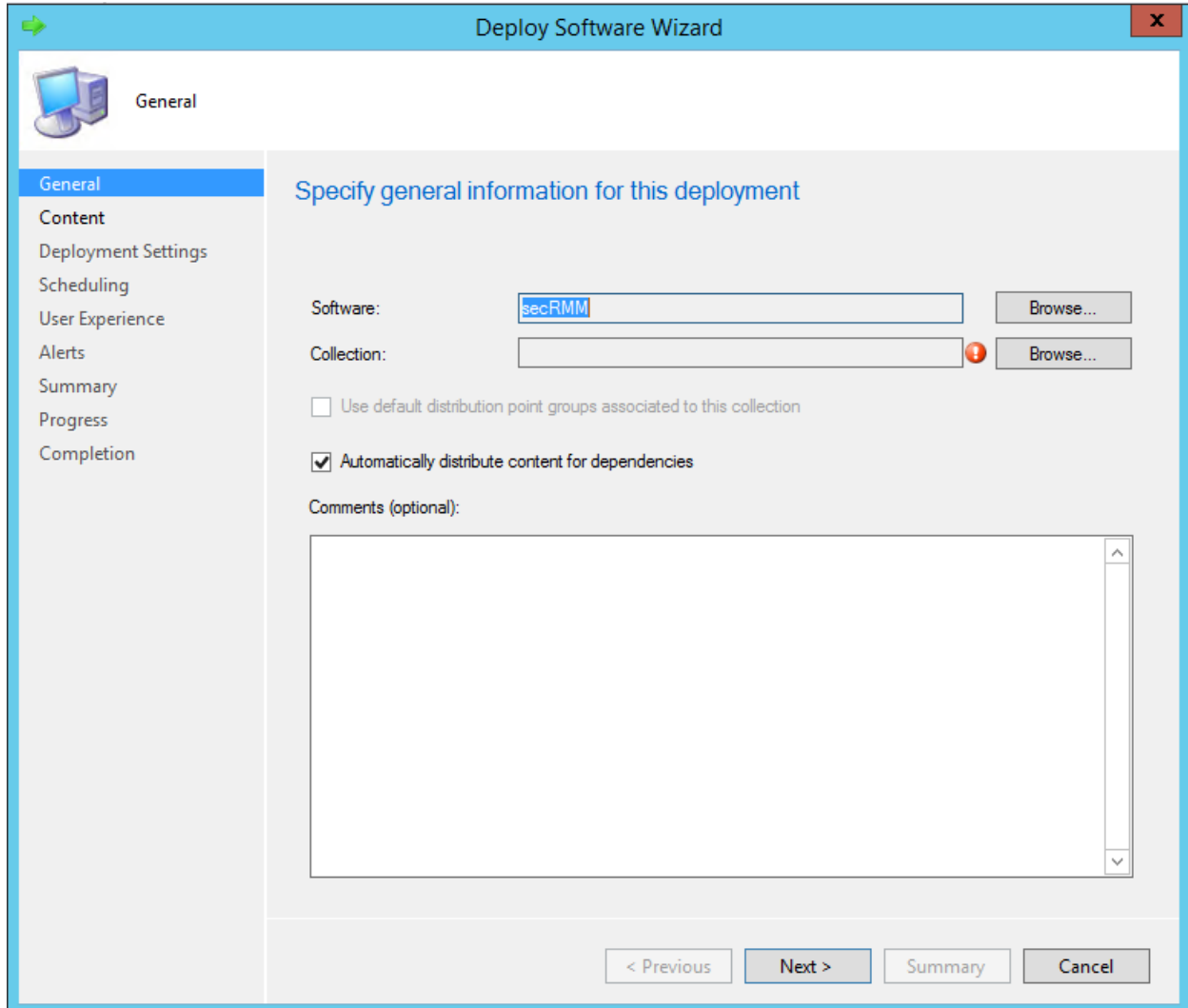
We can now deploy the two secRMM applications (the secRMM installation and the secRMM License file). The deployment for each secRMM application will be the same except on the “secRMM license file” deployment, you will tell SCCM that the “secRMM license file” deployment is dependent on the “secRMM installation” 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.

secRMM SCCM Installation Guide



secRMM SCCM Installation Guide



The image shows the 'Deploy Software Wizard' window, specifically the 'General' tab. The window has a blue title bar with a green arrow icon on the left and a red 'X' icon on the right. The main area is divided into a left sidebar and a right content area. The sidebar contains a tree view with the following items: 'General' (selected), 'Content', 'Deployment Settings', 'Scheduling', 'User Experience', 'Alerts', 'Summary', 'Progress', and 'Completion'. The main content area is titled 'Specify general information for this deployment'. It contains the following fields and controls:

- Software:** A text box containing 'secRMM' and a 'Browse...' button.
- Collection:** A text box with a red information icon and a 'Browse...' button.
- ☐ Use default distribution point groups associated to this collection
- ☒ Automatically distribute content for dependencies
- Comments (optional):** A large text area with a vertical scrollbar.

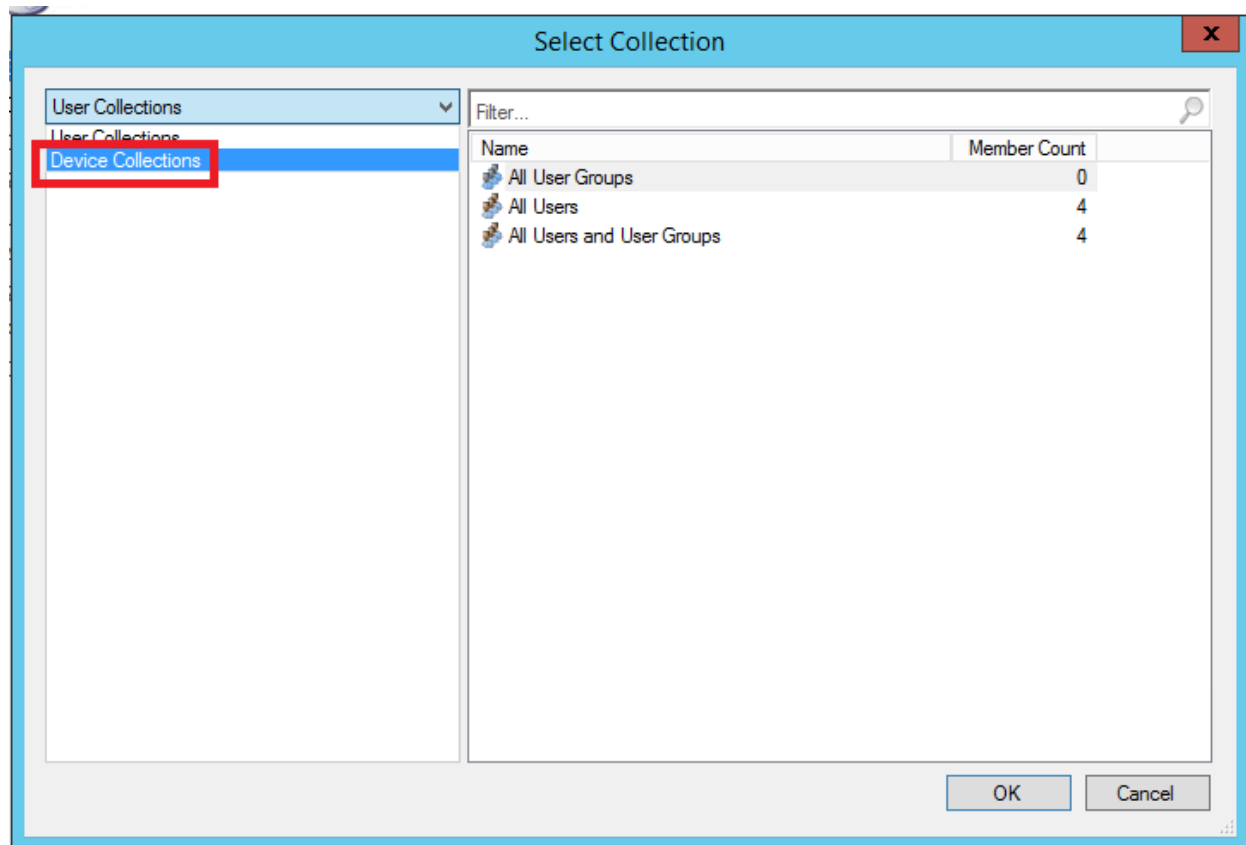
At the bottom of the window, there are four buttons: '< Previous', 'Next >', 'Summary', and 'Cancel'.

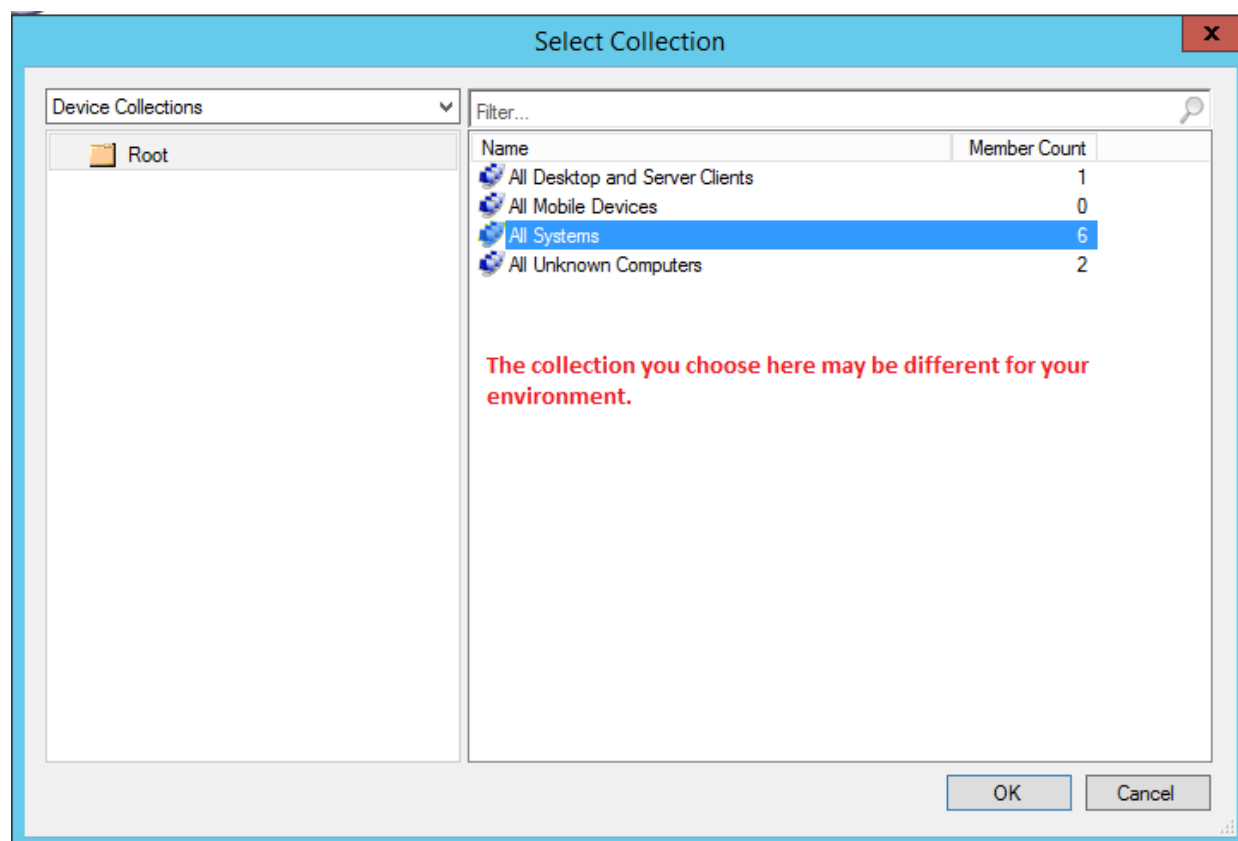
secRMM SCCM Installation Guide

The screenshot shows the 'Deploy Software Wizard' window with the 'General' tab selected. The left sidebar contains a tree view with the following items: General (selected), Content, Deployment Settings, Scheduling, User Experience, Alerts, Summary, Progress, and Completion. The main area is titled 'Specify general information for this deployment'. It contains the following fields and controls:

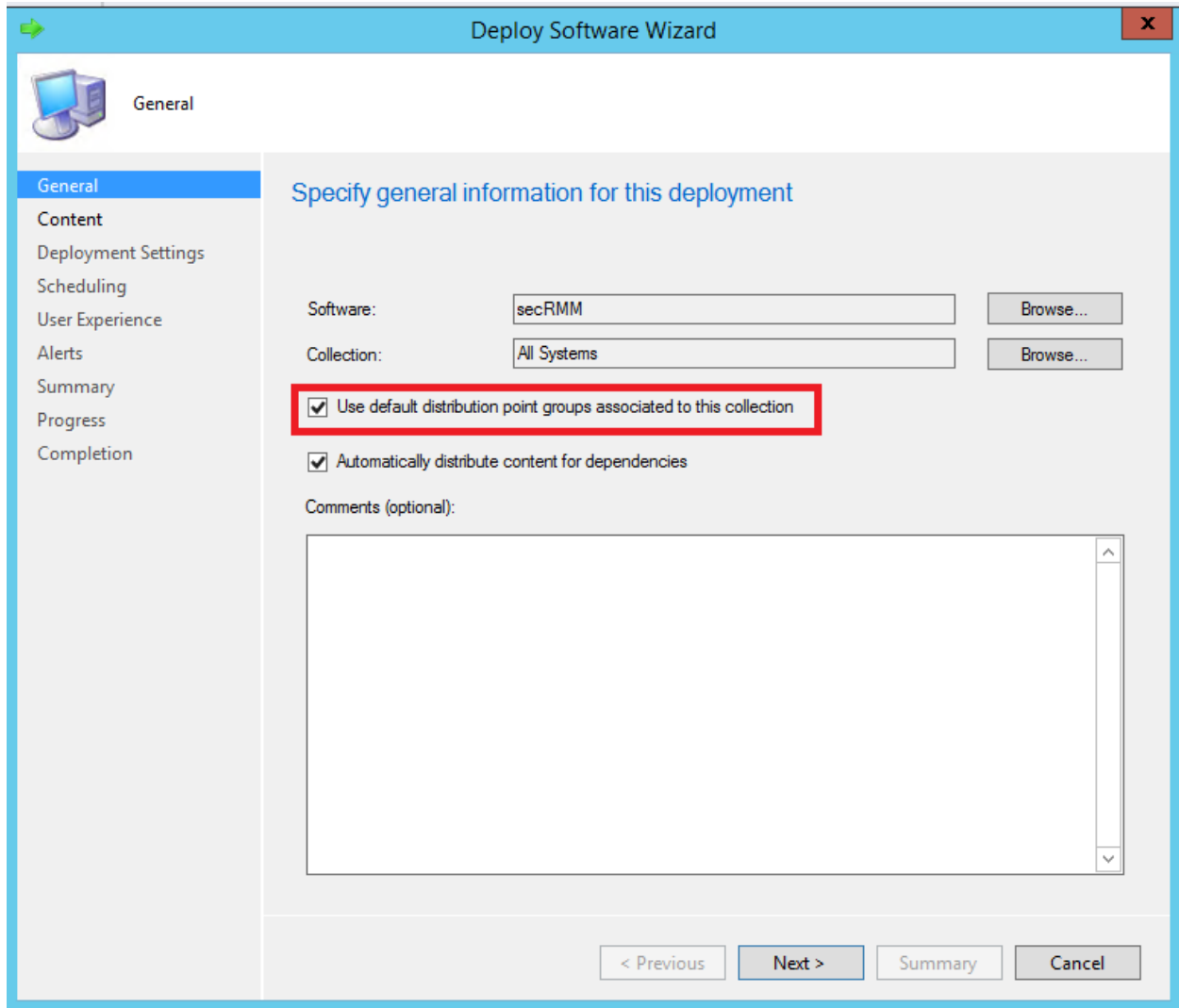
- Software:** A text box containing 'secRMM' with a 'Browse...' button to its right.
- Collection:** An empty text box with a 'Browse...' button to its right. This button and its label are highlighted with a red rectangle. A small red circle with an exclamation mark is positioned between the 'Collection' text box and its 'Browse...' button.
- ☐ Use default distribution point groups associated to this collection
- ☒ Automatically distribute content for dependencies
- Comments (optional):** A large text area for entering comments.

At the bottom of the window, there are four buttons: '< Previous', 'Next >', 'Summary', and 'Cancel'.



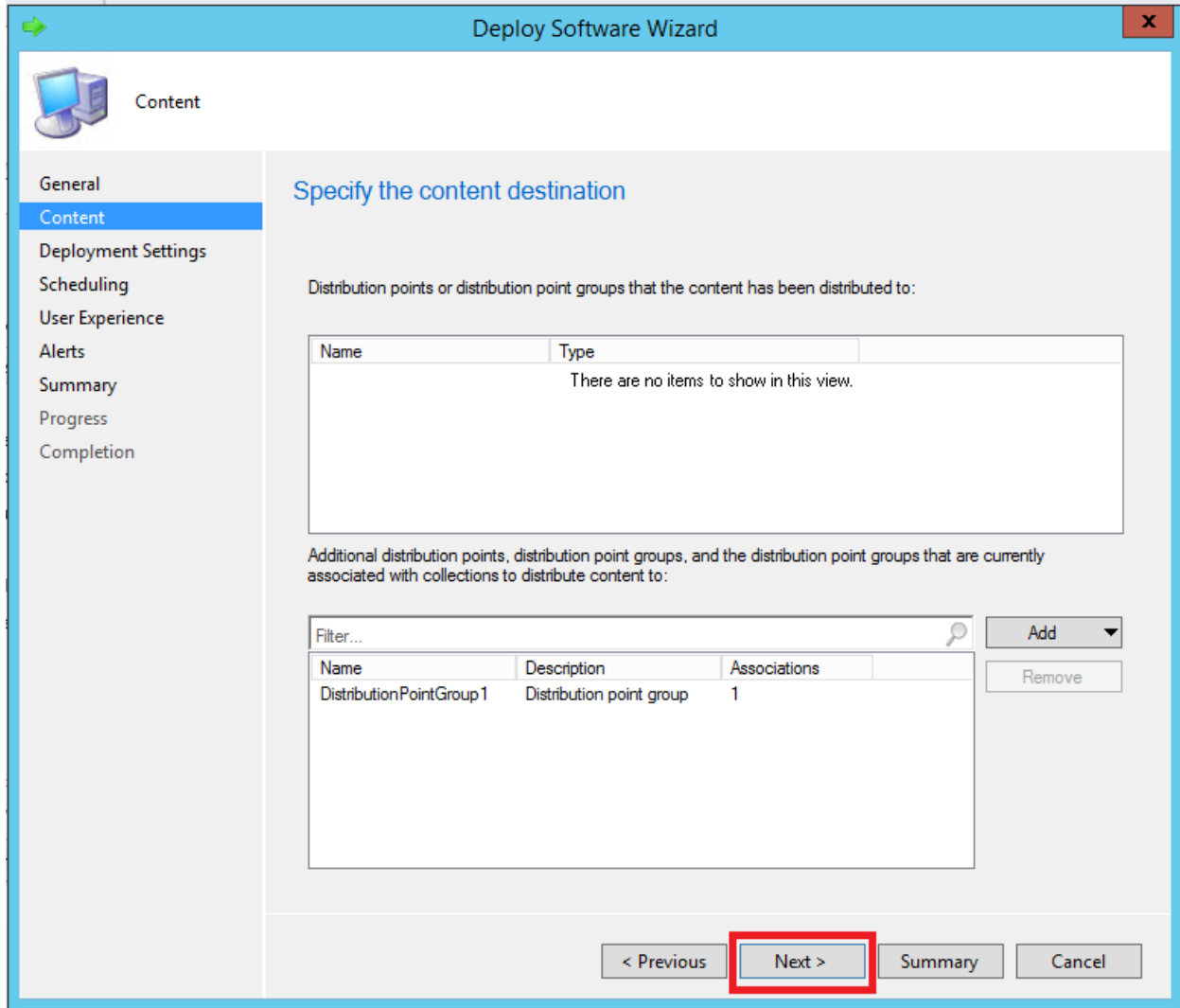


secRMM SCCM Installation Guide



The image shows the 'Deploy Software Wizard' window, specifically the 'General' tab. The window has a blue title bar with a green arrow icon on the left and a close button on the right. Below the title bar, there is a sidebar on the left with a tree view containing the following items: General (selected), Content, Deployment Settings, Scheduling, User Experience, Alerts, Summary, Progress, and Completion. The main area of the window is titled 'Specify general information for this deployment'. It contains the following fields and controls:

- Software:** A text box containing 'secRMM' and a 'Browse...' button to its right.
- Collection:** A text box containing 'All Systems' and a 'Browse...' button to its right.
- Checkboxes:**
 - ☒ Use default distribution point groups associated to this collection (This checkbox is highlighted with a red rectangle in the image).
 - ☒ Automatically distribute content for dependencies
- Comments (optional):** A large text area with a vertical scrollbar on the right side.
- Navigation Buttons:** At the bottom right, there are four buttons: '< Previous' (disabled), 'Next >' (active/highlighted), 'Summary' (disabled), and 'Cancel' (disabled).



The image shows the 'Deploy Software Wizard' window, specifically the 'Content' tab. The left sidebar contains a list of tabs: General, Content (selected), Deployment Settings, Scheduling, User Experience, Alerts, Summary, Progress, and Completion. The main area is titled 'Specify the content destination'. It contains a section 'Distribution points or distribution point groups that the content has been distributed to:' with a table that is currently empty, displaying the message 'There are no items to show in this view.' Below this is another section 'Additional distribution points, distribution point groups, and the distribution point groups that are currently associated with collections to distribute content to:'. This section includes a search filter, a table with one entry, and 'Add' and 'Remove' buttons. The table has columns for Name, Description, and Associations. At the bottom, there are four buttons: '< Previous', 'Next >' (highlighted with a red box), 'Summary', and '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
DistributionPointGroup1	Distribution point group	1

Add
Remove

< Previous **Next >** Summary Cancel

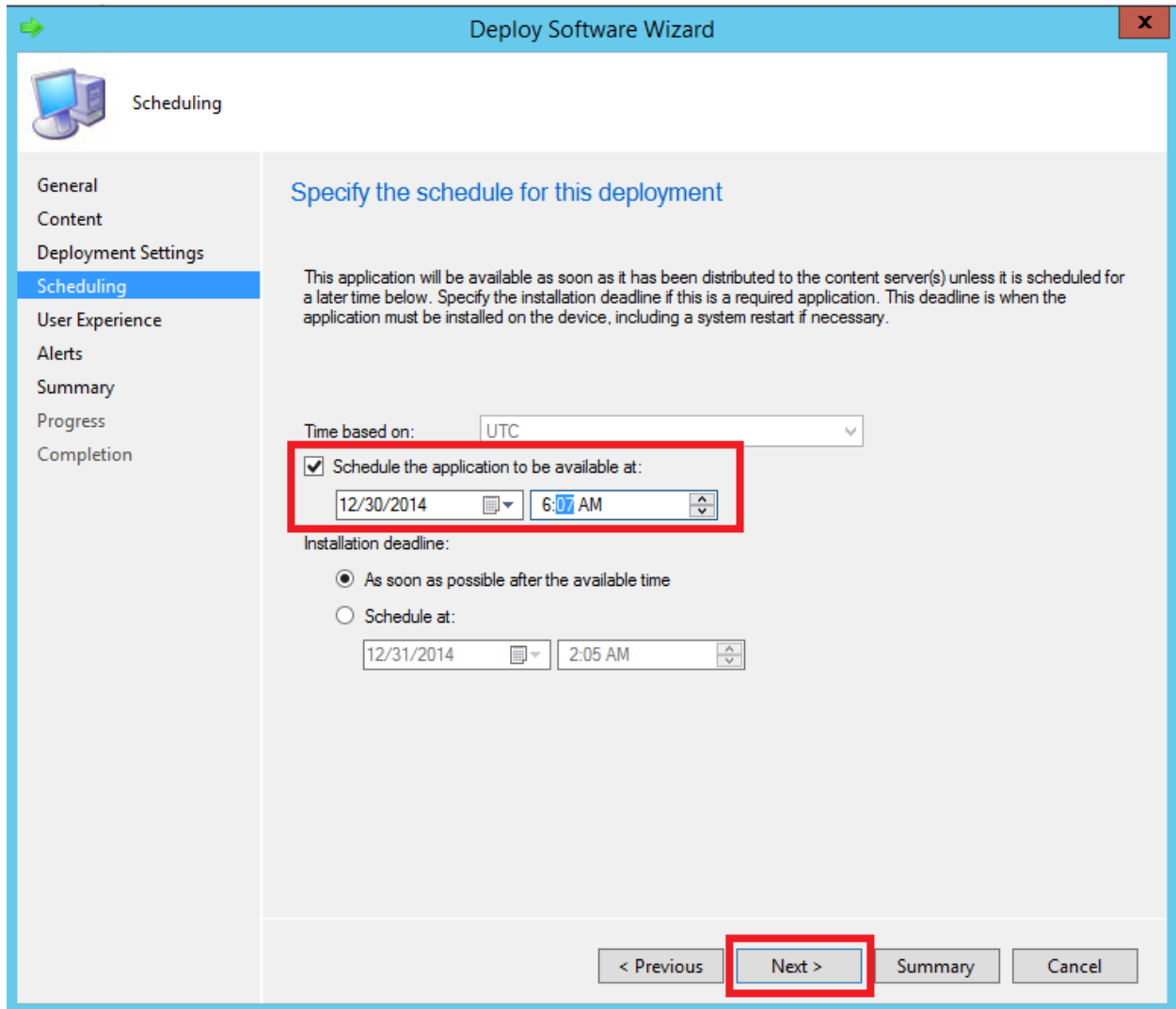
secRMM SCCM Installation Guide

The screenshot shows the 'Deploy Software Wizard' window, specifically the 'Deployment Settings' tab. The left sidebar contains a list of tabs: General, Content, Deployment Settings (selected), Scheduling, User Experience, Alerts, Summary, Progress, and Completion. The main area is titled 'Specify settings to control how this software is deployed'. It contains the following settings:

- Action: Install (dropdown menu)
- Purpose: Required (dropdown menu)
- ☐ 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

At the bottom right, there are four buttons: '< Previous', 'Next >' (highlighted with a red box), 'Summary', and 'Cancel'.

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The image shows the 'Deploy Software Wizard' window, specifically the 'Scheduling' step. The window has a blue title bar with a green arrow icon on the left and a close button on the right. A sidebar on the left contains a list of steps: General, Content, Deployment Settings, Scheduling (highlighted), User Experience, Alerts, Summary, Progress, and Completion. The main area is titled 'Specify the schedule for this deployment'. It contains a paragraph explaining that the application will be available as soon as it is distributed unless a later time is specified. Below this, there is a 'Time based on:' dropdown menu set to 'UTC'. A red box highlights the 'Schedule the application to be available at:' section, which includes a date picker set to '12/30/2014' and a time spinner set to '6:07 AM'. Below this, the 'Installation deadline:' section has two radio button options: 'As soon as possible after the available time' (selected) and 'Schedule at:'. The 'Schedule at:' option has a date picker set to '12/31/2014' and a time spinner set to '2:05 AM'. At the bottom right, there are four buttons: '< Previous', 'Next >' (highlighted with a red box), 'Summary', and 'Cancel'.

Deploy Software Wizard

Scheduling

General
Content
Deployment Settings
Scheduling
User Experience
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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:

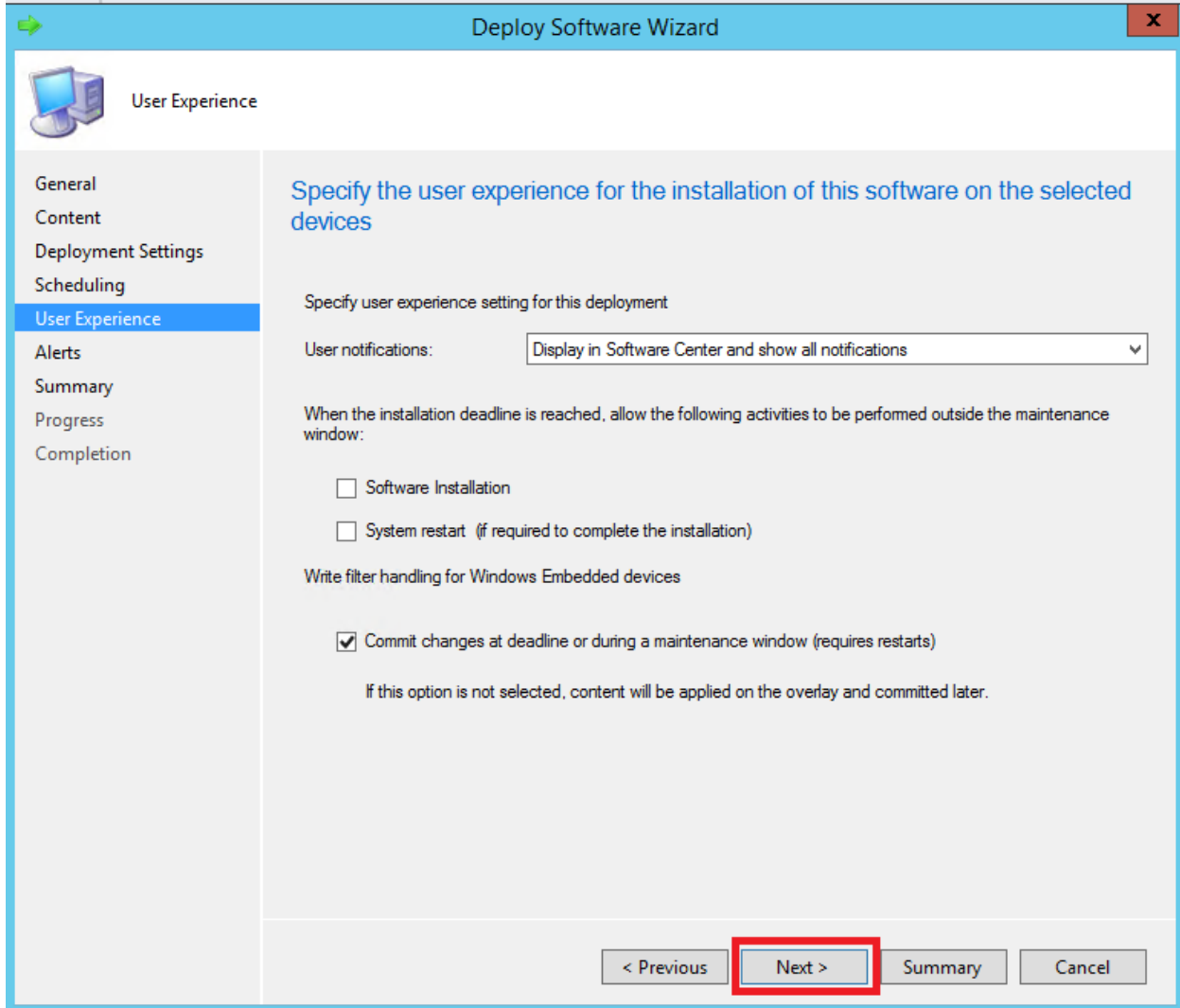
☒ As soon as possible after the available time

☐ Schedule at:

12/31/2014 2:05 AM

< Previous Next > Summary Cancel

secRMM SCCM Installation Guide



The image shows the 'Deploy Software Wizard' window, specifically the 'User Experience' tab. The window has a blue title bar with a green arrow icon on the left and a close button on the right. The left sidebar contains a list of tabs: General, Content, Deployment Settings, Scheduling, User Experience (selected), Alerts, Summary, Progress, and Completion. The main area is titled 'Specify the user experience for the installation of this software on the selected devices'. It includes a section for 'Specify user experience setting for this deployment' with a dropdown menu for 'User notifications' set to 'Display in Software Center and show all notifications'. Below this is a section for 'When the installation deadline is reached, allow the following activities to be performed outside the maintenance window:' with two unchecked checkboxes: 'Software Installation' and 'System restart (if required to complete the installation)'. There is also a section for 'Write filter handling for Windows Embedded devices' with a checked checkbox for 'Commit changes at deadline or during a maintenance window (requires restarts)'. A note below states: 'If this option is not selected, content will be applied on the overlay and committed later.' At the bottom right, there are four buttons: '< Previous', 'Next >' (highlighted with a red box), 'Summary', and 'Cancel'.

Deploy Software Wizard

User Experience

General
Content
Deployment Settings
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User Experience
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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:

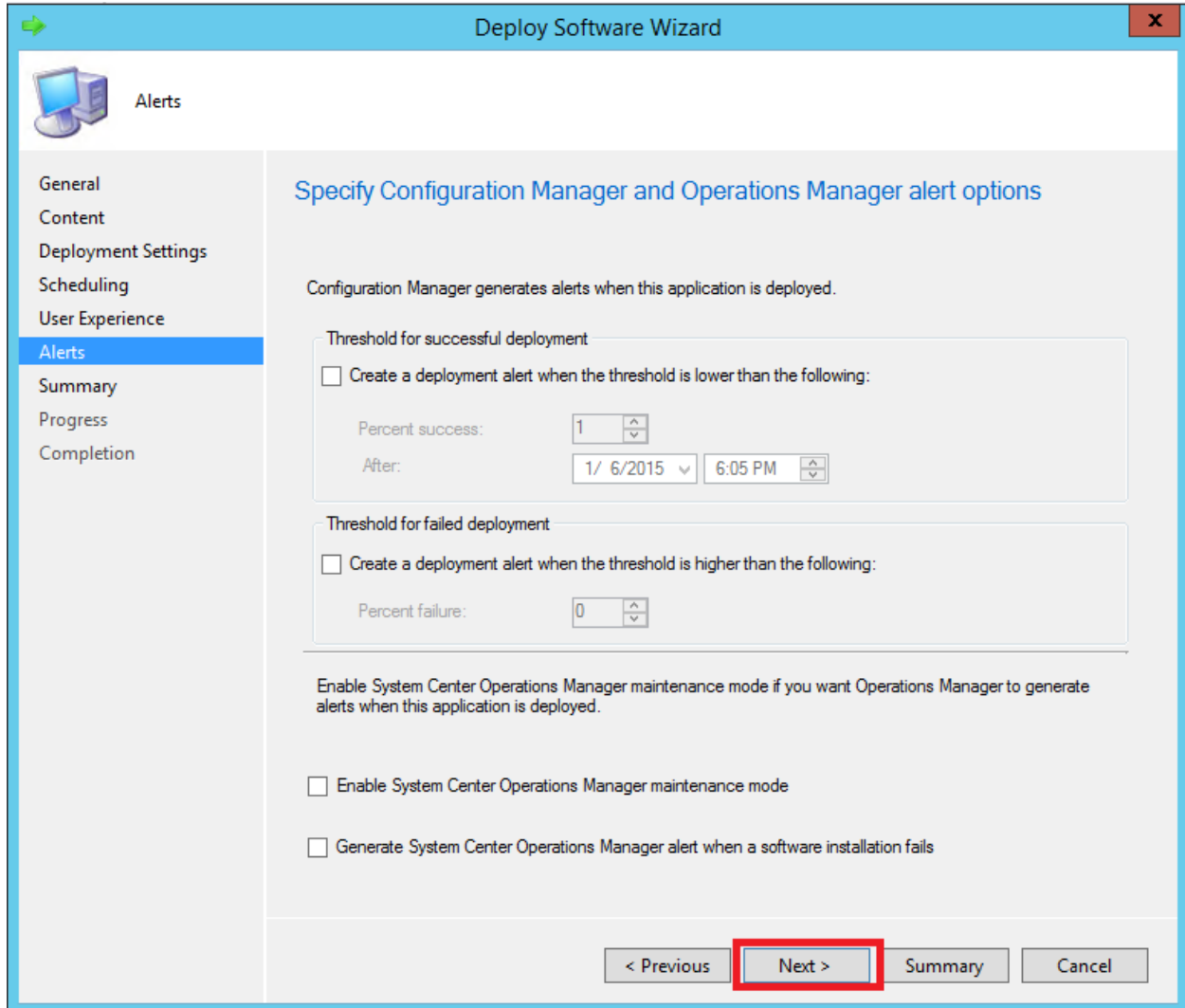
- ☐ Software Installation
- ☐ System restart (if required to complete the installation)

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



The image shows the 'Deploy Software Wizard' window, specifically the 'Alerts' tab. The left sidebar contains a list of tabs: General, Content, Deployment Settings, Scheduling, User Experience, Alerts (selected), Summary, Progress, and Completion. The main area is titled 'Specify Configuration Manager and Operations Manager alert options'. It contains two sections for thresholds: 'Threshold for successful deployment' and 'Threshold for failed deployment'. Each section has a checkbox to 'Create a deployment alert when the threshold is lower/higher than the following:'. The 'successful deployment' section has a 'Percent success' spinner set to 1 and an 'After' date/time picker set to 1/6/2015 6:05 PM. The 'failed deployment' section has a 'Percent failure' spinner set to 0. Below these sections, there are two checkboxes: 'Enable System Center Operations Manager maintenance mode if you want Operations Manager to generate alerts when this application is deployed.' and 'Generate System Center Operations Manager alert when a software installation fails'. At the bottom right, there are four buttons: '< Previous', 'Next >' (highlighted with a red rectangle), 'Summary', and 'Cancel'.

Deploy Software Wizard

Alerts

General
Content
Deployment Settings
Scheduling
User Experience
Alerts
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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

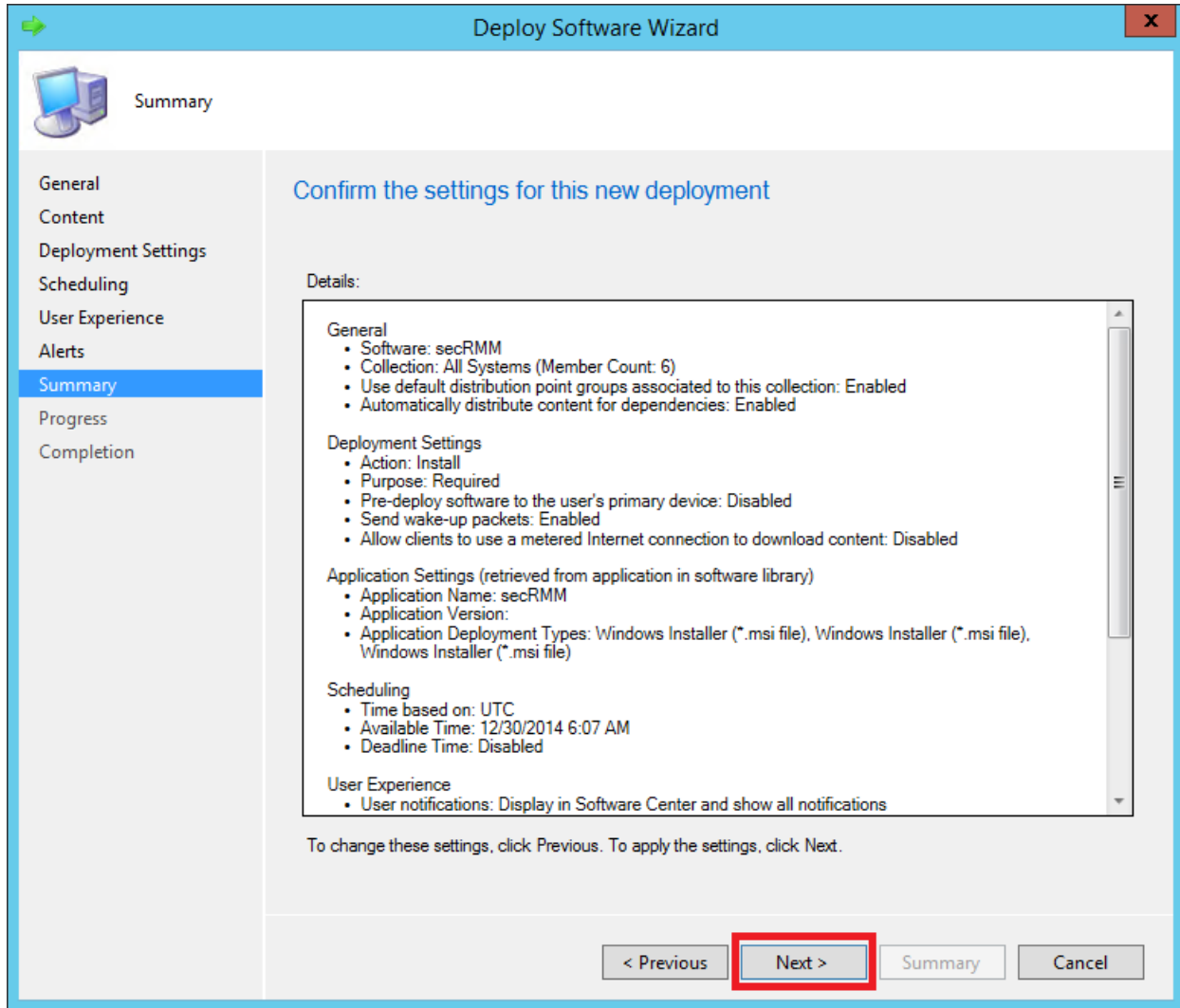
Enable System Center Operations Manager maintenance mode if you want Operations Manager to generate alerts when this application is deployed.

☐ Enable System Center Operations Manager maintenance mode

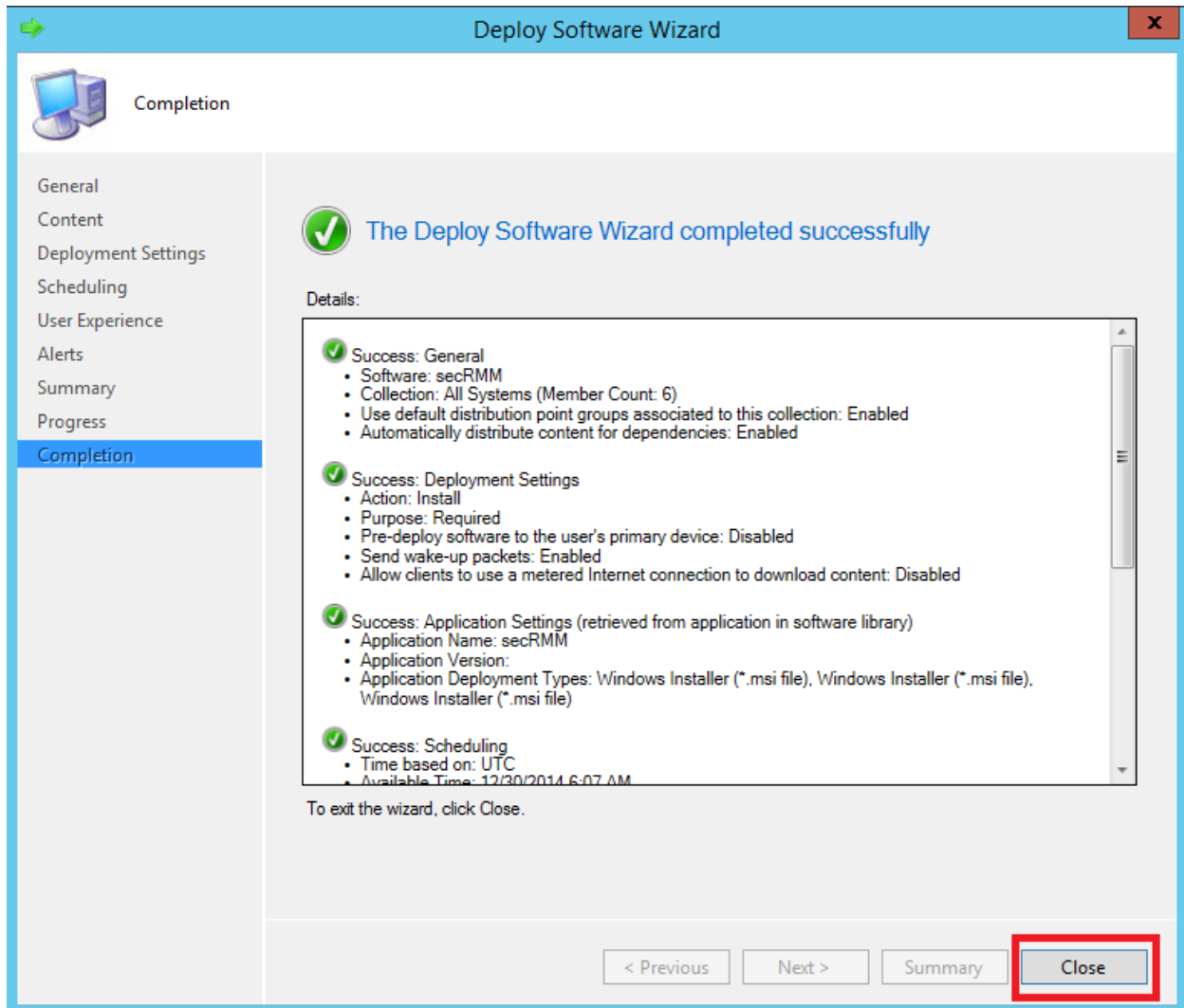
☐ Generate System Center Operations Manager alert when a software installation fails

< Previous **Next >** Summary Cancel

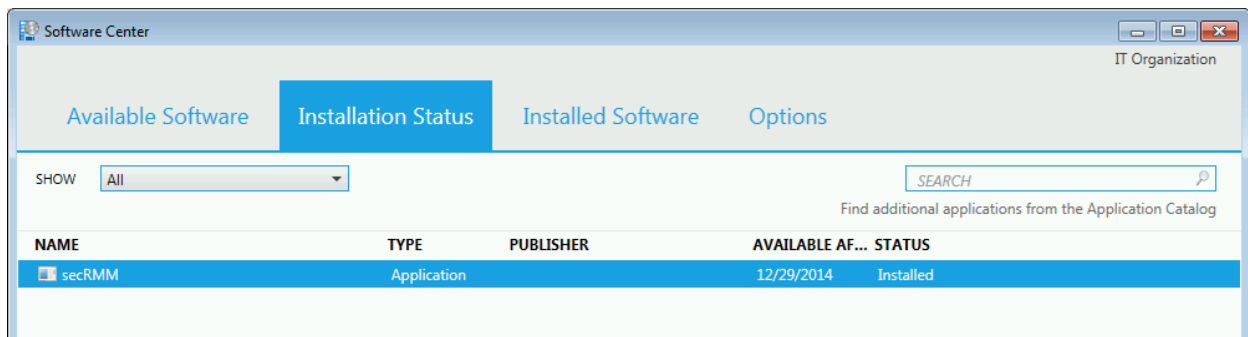
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At this point, we can go to one of the targeted systems to watch the deployment.



Troubleshooting with the SCCM client logs

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

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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

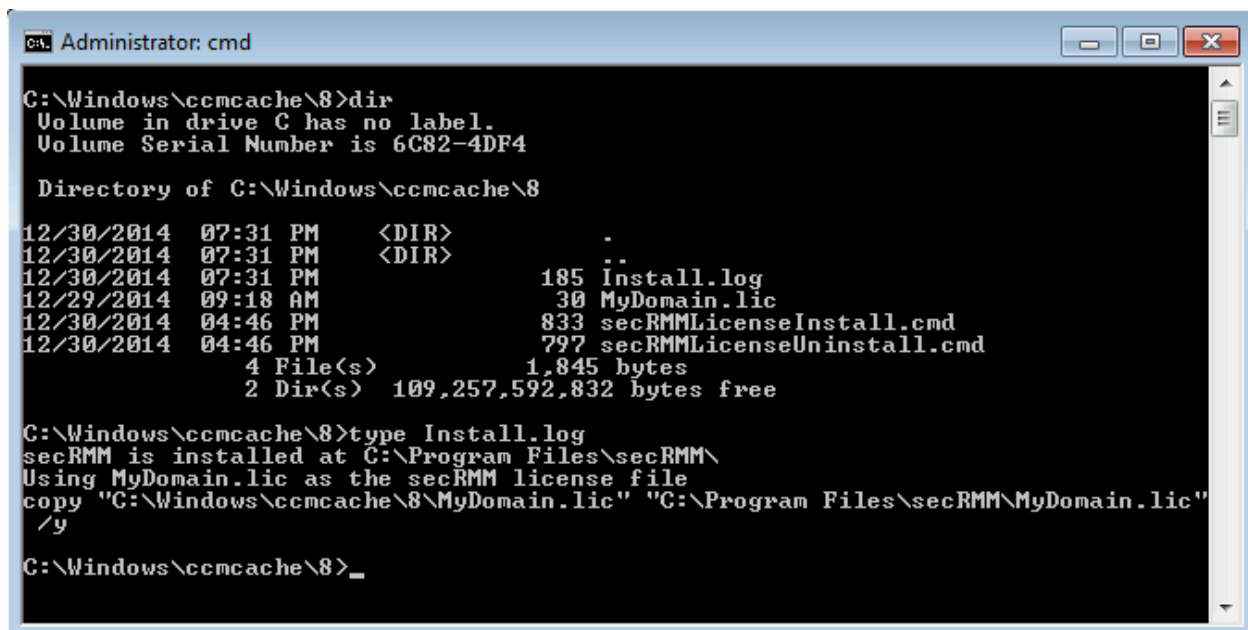
A simple way to see if the string is even occurring in any of the logs, you can type the following:

```
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.



```
Administrator: cmd
C:\Windows\ccmcache\8>dir
Volume in drive C has no label.
Volume Serial Number is 6C82-4DF4

Directory of C:\Windows\ccmcache\8

12/30/2014  07:31 PM    <DIR>          .
12/30/2014  07:31 PM    <DIR>          ..
12/30/2014  07:31 PM                185 Install.log
12/29/2014  09:18 AM                 30 MyDomain.lic
12/30/2014  04:46 PM                833 secRMMLicenseInstall.cmd
12/30/2014  04:46 PM                797 secRMMLicenseUninstall.cmd
               4 File(s)              1,845 bytes
               2 Dir(s)  109,257,592,832 bytes free

C:\Windows\ccmcache\8>type Install.log
secRMM is installed at C:\Program Files\secRMM\
Using MyDomain.lic as the secRMM license file
copy "C:\Windows\ccmcache\8\MyDomain.lic" "C:\Program Files\secRMM\MyDomain.lic"
/y

C:\Windows\ccmcache\8>_
```

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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