



NetBackup Deployment Template User Guide for System Center Configuration Manager (SCCM)

September 25, 2017

NetBackup Deployment Template User Guide for SCCM

Third-party mass-deployment tools like System Center Configuration Manager (SCCM) and Chef are available for mass deployment on different platforms. These tools help to configure systems, deploy software, and orchestrate more advanced IT tasks such as continuous deployments and performing custom actions before and after the deployment.

Customers can use these third-party mass-deployment tools for deploying NetBackup clients on platform such as Linux, Solaris, AIX, HP-UX, and Windows. These clients support different methods for deployment.

Veritas has developed deployment templates for SCCM to deploy NetBackup clients. This document explains the methods on how to use these SCCM templates.

Software requirements

Ensure that the SCCM client is installed on all the servers where NetBackup client is to be installed.

Ensure that PowerShell 2.0 is available on all servers.

Ensure the version level for SCMM is Microsoft System Center Configuration Manager 2012 R2

All windows platforms are supported. See the NetBackup Software Compatibility list for specific versions that NetBackup supports:

<https://netbackup.com/compatibility>

Deploying NetBackup clients using SCCM deployment templates

SCCM templates contain an input file and a PowerShell script to facilitate NetBackup client deployment. The templates use NetBackup silent install scripts in combination with PowerShell to install the NetBackup client.

Note: The SCCM template name for the NetBackup client deployment is `Deployclient.ps1`

Installing or upgrading NetBackup clients using the SCCM template

To download files and prepare for the deployment

1. Create a directory named `Data` on the SCCM share. The following example uses a share named `Mastershare`:

```
\\Shareserver\Mastershare\Data
```

2. Download the `SCCMTemplate.zip` file from the Veritas Services and Operations Readiness Tools (SORT) site (<https://sort.veritas.com/utility/netbackup/deployment>).

Extract the files from the `.zip` file and copy the files to the `Data` directory.

3. Copy the NetBackup client installable files for Windows to the SCCM share, as follows:

```
\\FileShareServer\NetBackup_8.1_Win\PC_ClnT
```

4. In the SCCM **Assets and compliance** tab, ensure the collection includes all the servers on which NetBackup clients need to be deployed.

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5. Edit the `\Data\masterlistfile.csv` to associate master server names and client names and the master server fingerprint and security token details, as in the following example:

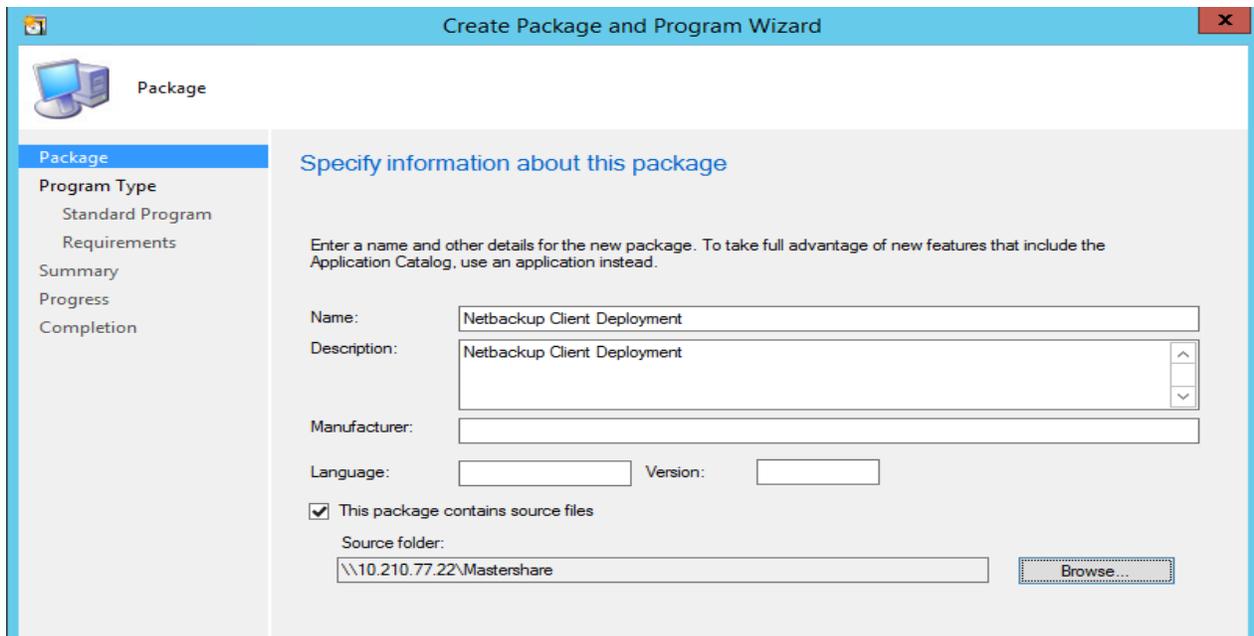
	A	B	C	D
1	master	clients	fingerprint	token
2	master1	client1	55:21:83:F3:37:3F:C3:44:20:5D:C3:D9:53:4D:E8:29:03:01:B5:40	KOPWDDPCZXEUGVUO
3	master1	client2	55:21:83:F3:37:3F:C3:44:20:5D:C3:D9:53:4D:E8:29:03:01:B5:40	KOPWDDPCZXEUGVUO
4	master2	client3	65:21:83:F3:37:3F:C3:44:20:5D:C3:D9:53:4D:E8:29:03:01:B5:40	ASDFDDPCZXEUGVUO
5	master2	client4	65:21:83:F3:37:3F:C3:44:20:5D:C3:D9:53:4D:E8:29:03:01:B5:40	ASDFDDPCZXEUGVUO
6				

The master server names and client names in the file should be fully qualified domain names (FQDNs).

The fingerprint and token details are unique to the master server. They are generated when you install the NetBackup master server. For more information, see the *NetBackup 8.1 Installation Guide* or the *NetBackup 8.1 Upgrade Guide*.

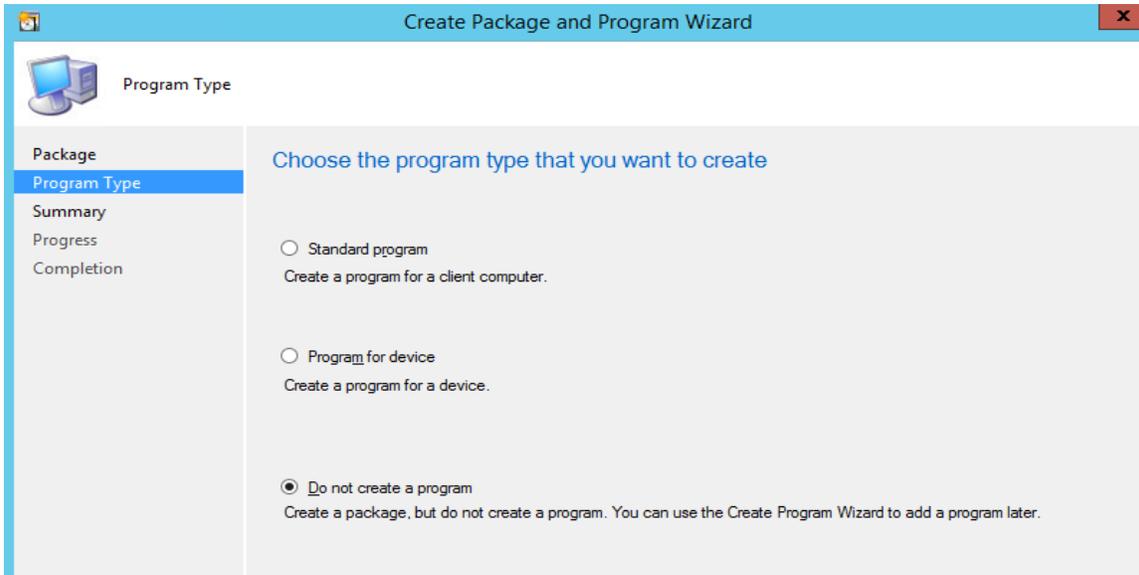
To create the SCCM deployment package

1. In the SCCM administration console, open the **Software library** tab.
2. Go to **Application Management > Packages** and select **Create Package**.
3. Provide a name and brief description for the package, then select **This package contains source files** and specify the path of the SCCM share.



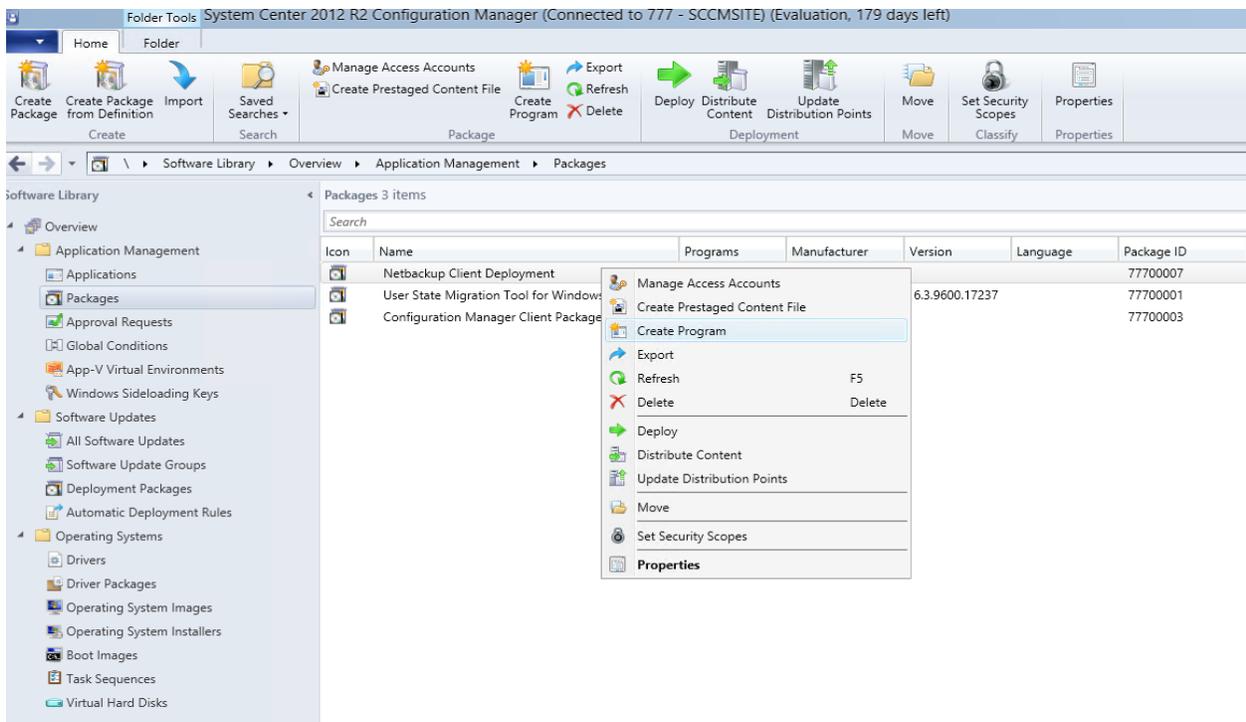
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4. On the **Program Type** page, select **Do not create a program**, then complete the wizard.



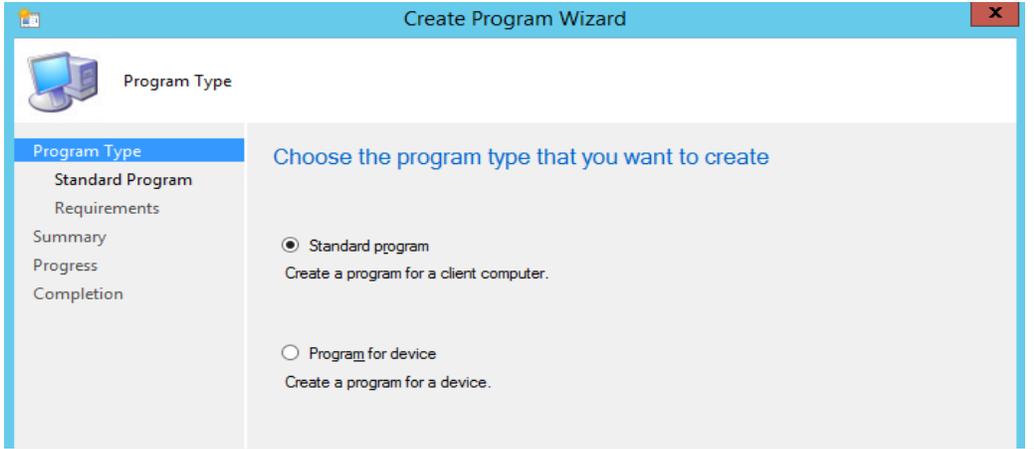
To create the deployment program

1. In SCCM, right-click the **Netbackup Client Deployment** package and select **Create program**.

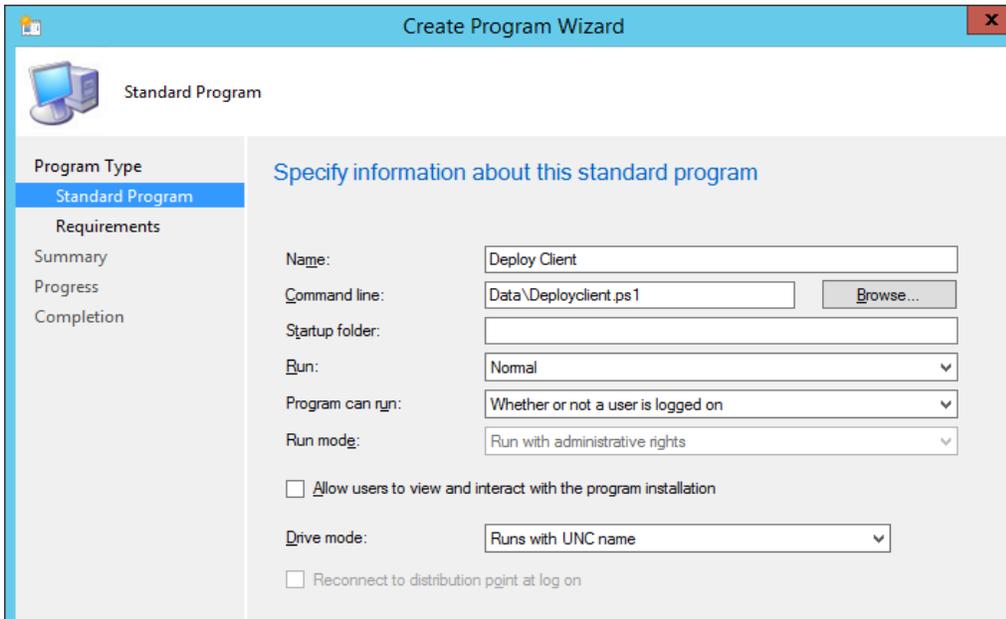


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2. The **Create Program Wizard** launches. Select **Standard program** as the program type.

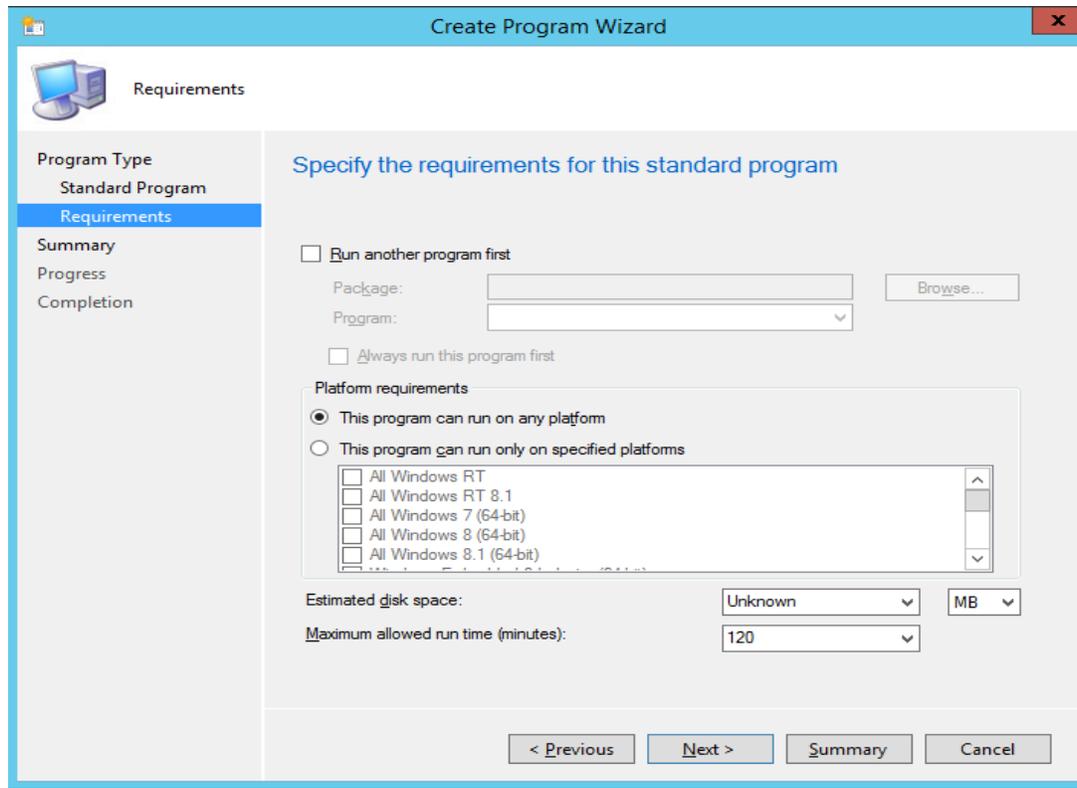


3. On the **Standard Program** screen, specify the name **Deploy Client** and click **Browse**. Navigate to the `\\Shareserver\Mastershare\Data` directory. Select `Deployclient.ps1` and specify that the program can run whether a user is logged on, as follows:



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4. On the Requirements page, select **This program can run on any platform**, and complete the wizard.

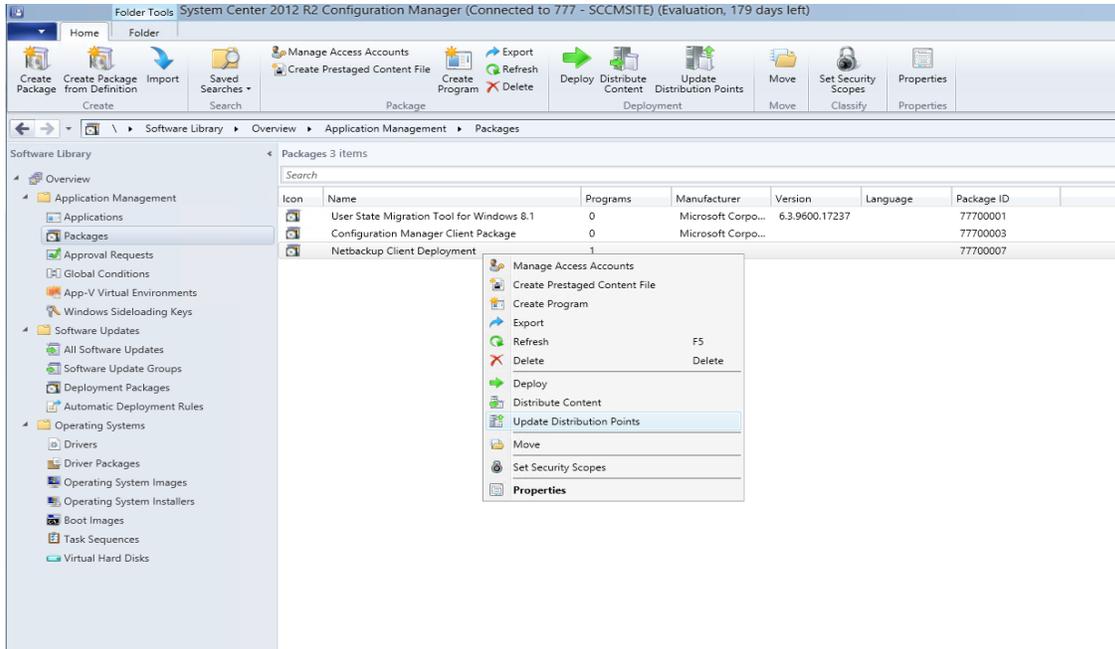


To deploy the client

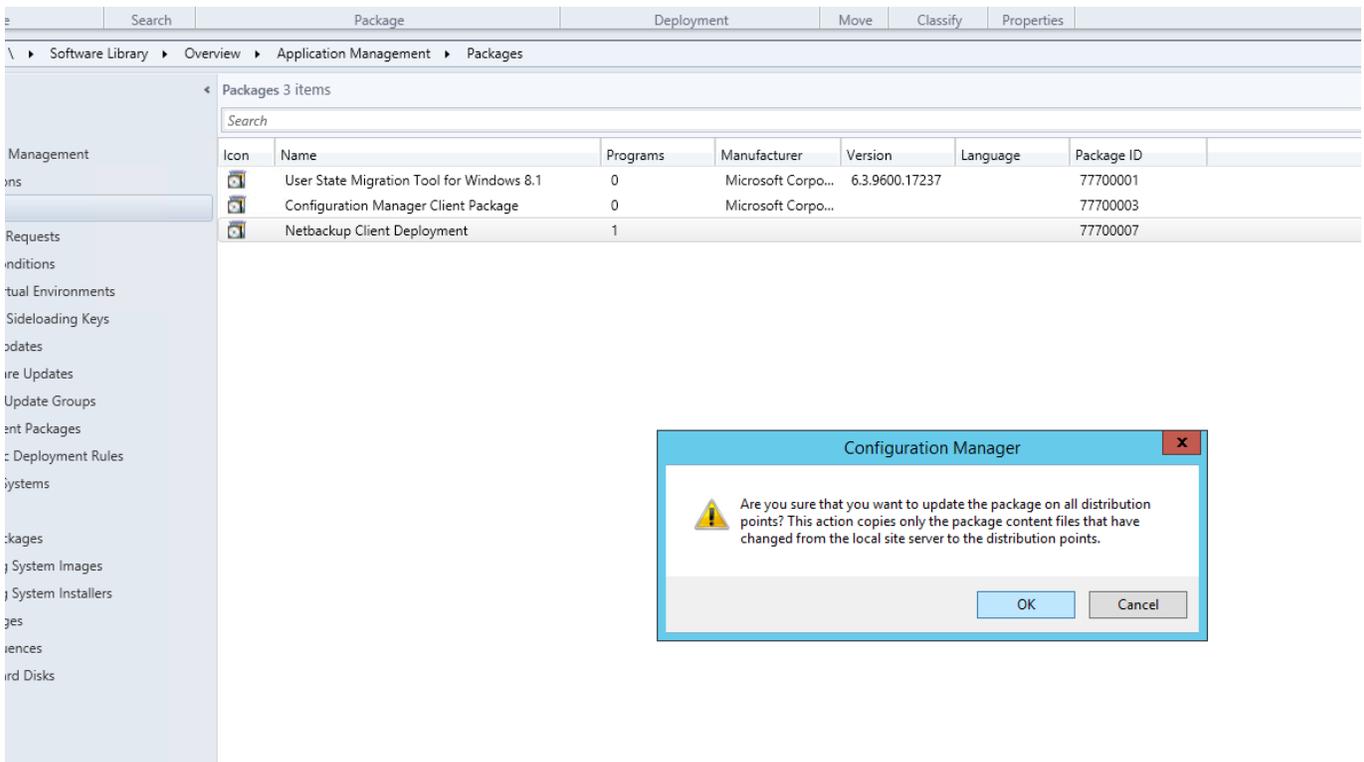
1. Before starting the deployment, ensure that the following prerequisites are in place:
 - The `Masterlistfile.csv` file contains the master server(s), clients, fingerprints and tokens
 - The NetBackup client software installation package is present in the `Data` on the SCCM share, as in the following example: `\\Shareserver\Mastershare\Data`
 - The collection containing the servers is present under the SCCM **Assets and compliance** tab

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- In SCCM **Application Management > Packages**, right-click **NetBackup Client Deployment** and select **Update Distribution Points**, as follows:

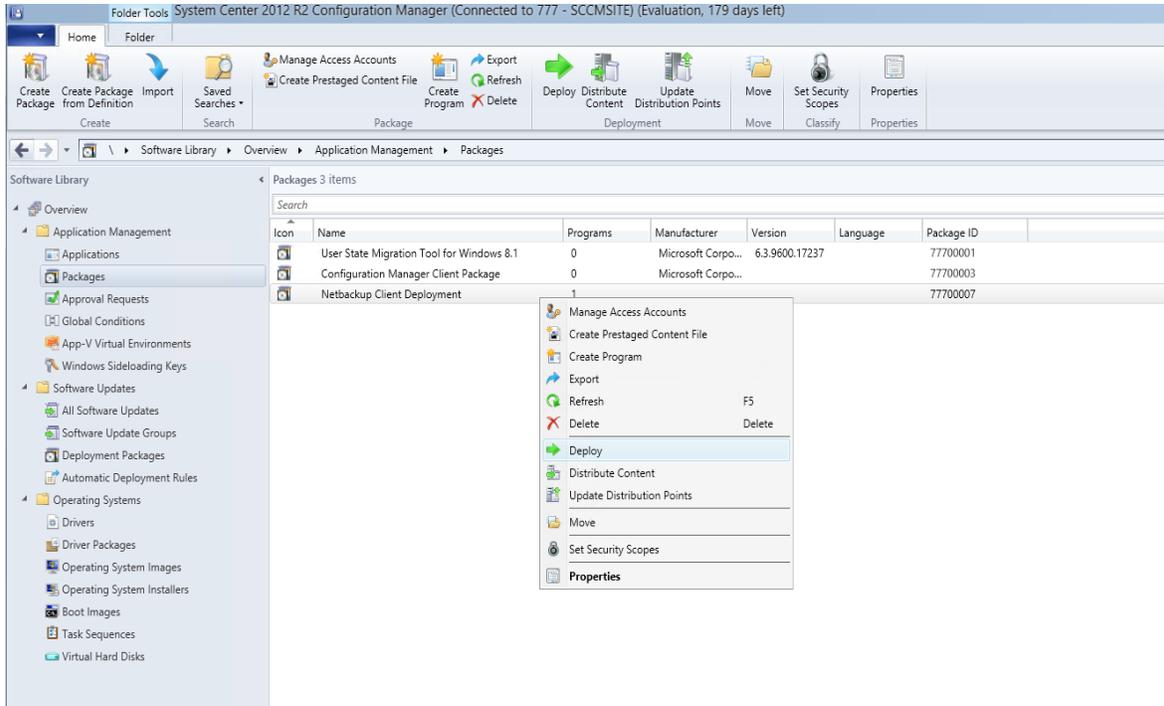


- In the **Configuration Manager** dialog, click **OK**.

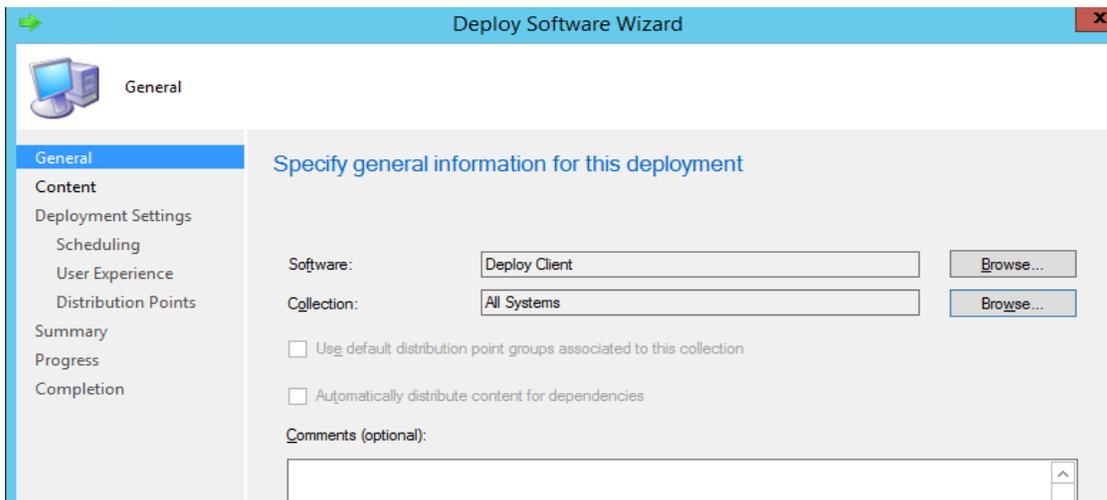


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- In SCCM **Application Management > Packages**, right-click **NetBackup Client Deployment** and select **Deploy**, as follows:

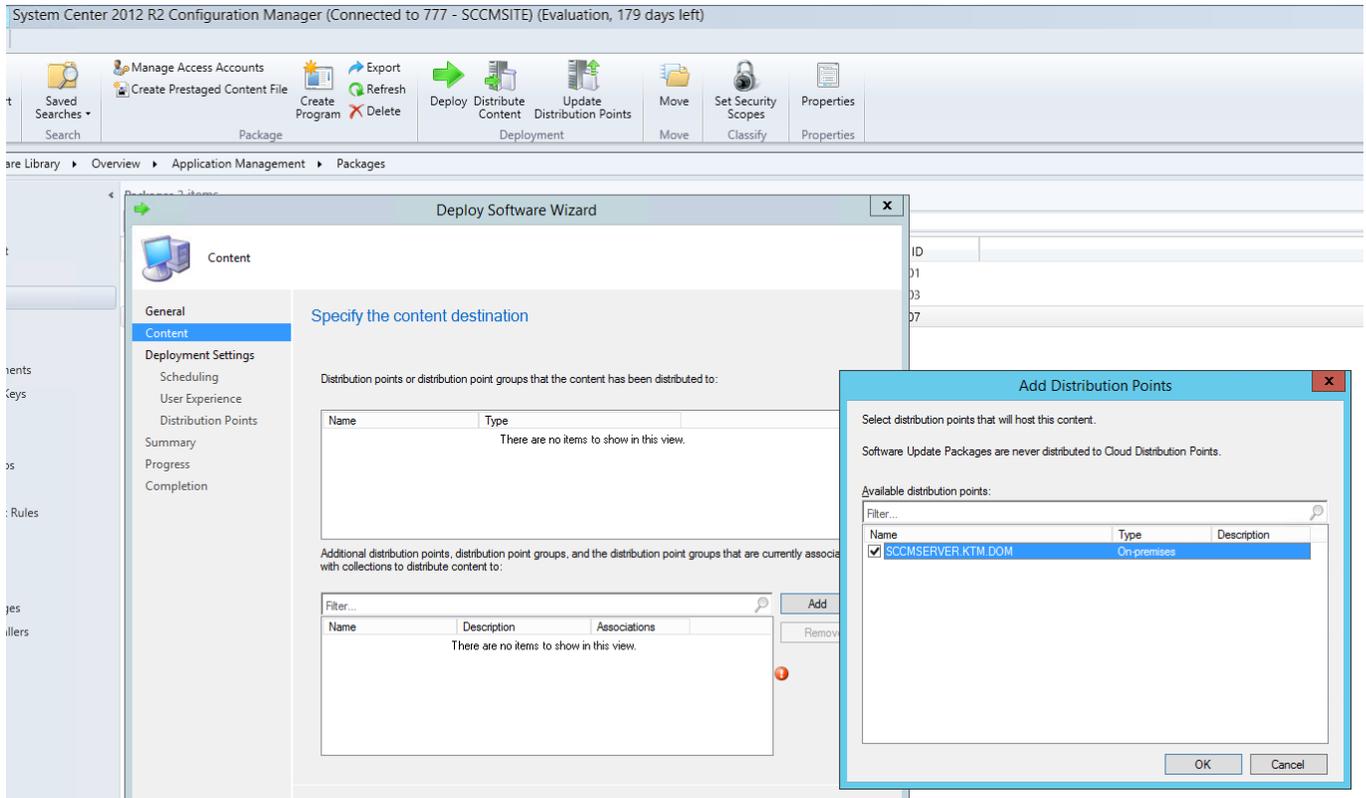


- The **Deploy Software** wizard launches. On the **General** page, select **Browse** to specify the **Deploy client** software to deploy. For **Collection**, select the collection of servers on which NetBackup clients will be installed.

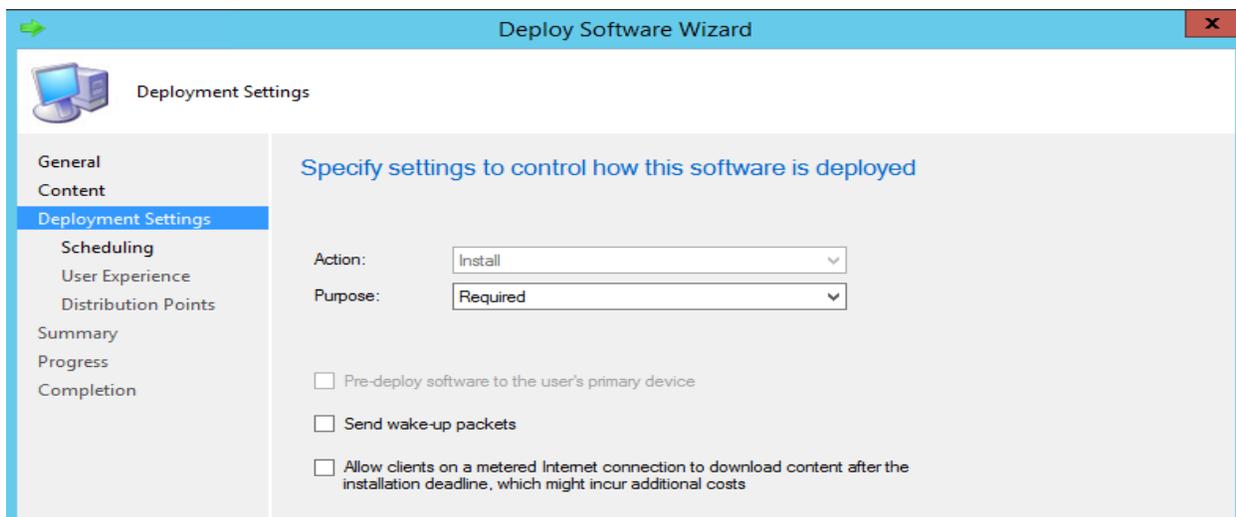


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6. On the **Content** page, click **Add** and select the distribution point for your collection, as follows:

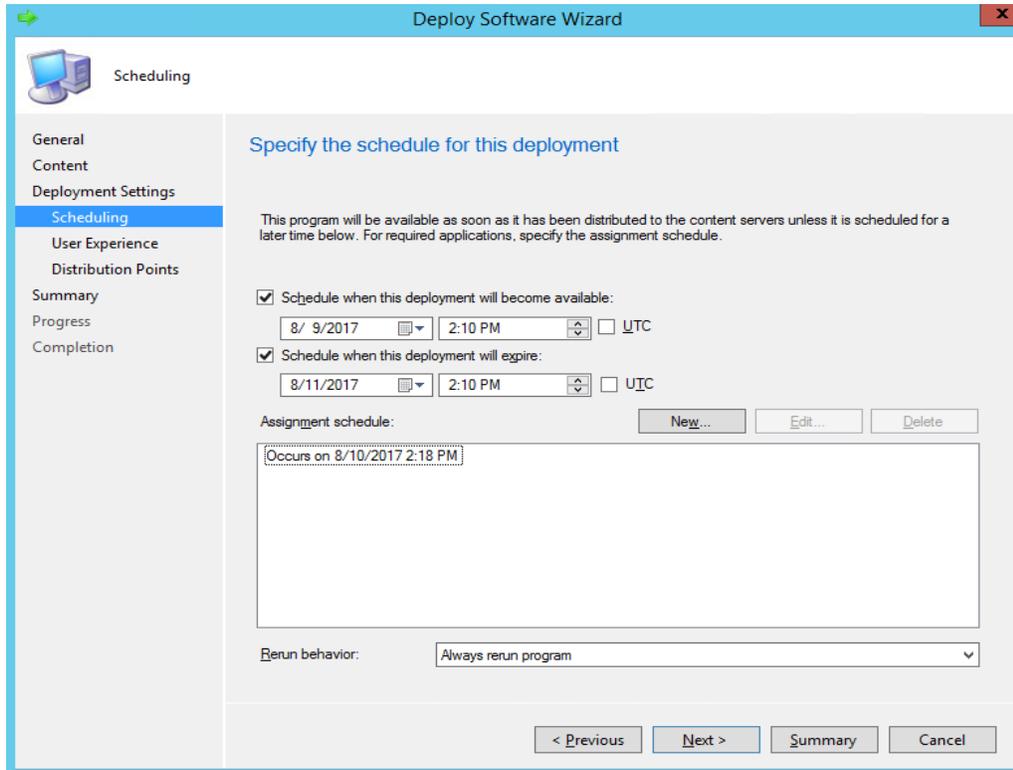


7. On the **Deployment Settings** page, select **Install** and **Required**.

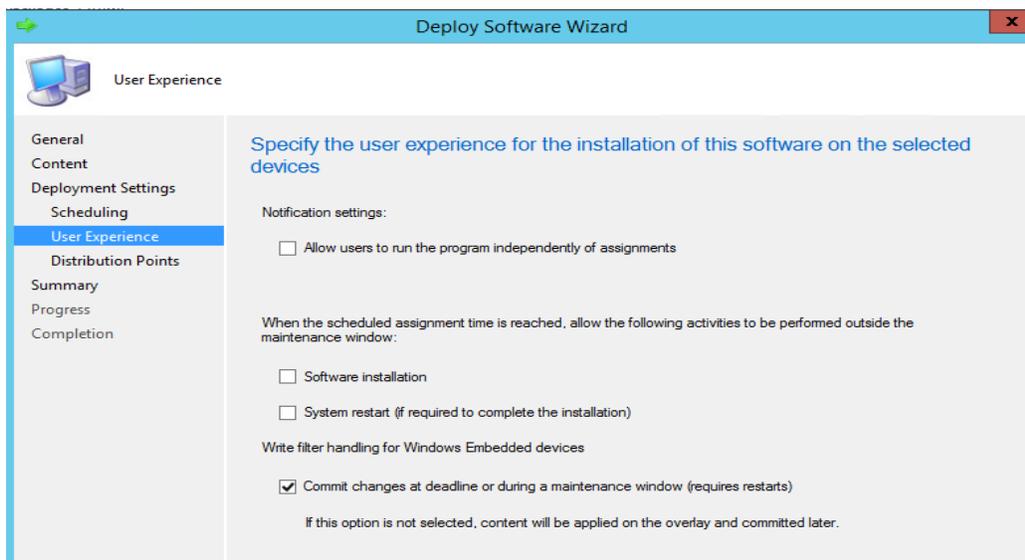


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8. On the **Scheduling** page, specify when you want the deploy to run and select **Always re-run program**.

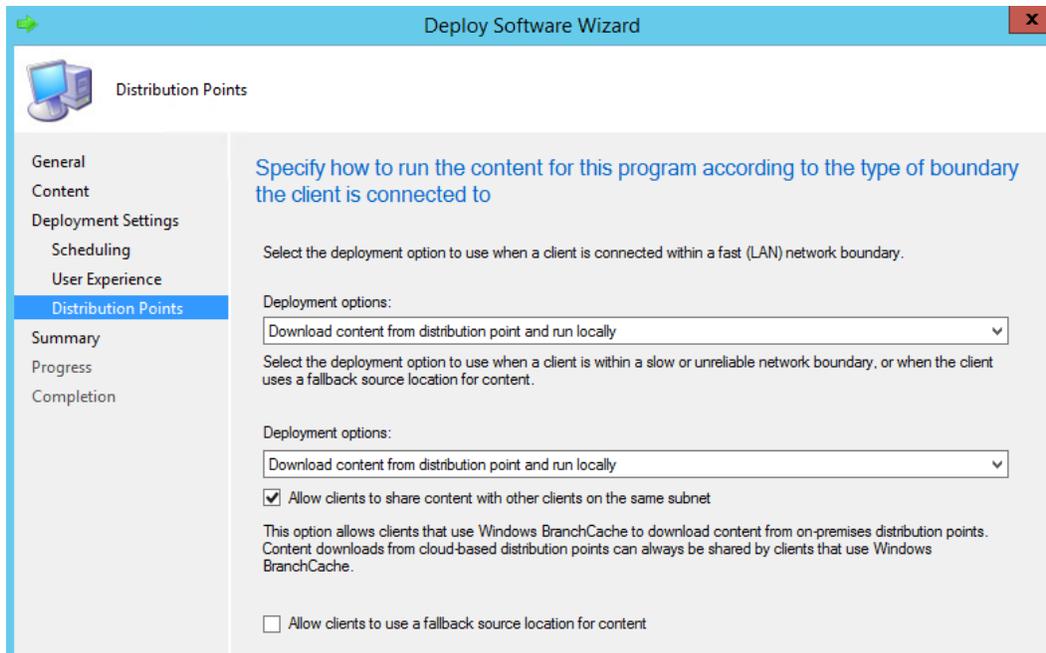


9. On the **User Experience** page, retain the default settings, as follows:



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10. On the **Distribution Points** page, select **Download content from distribution point and run locally** and complete the wizard.



11. Clients will deploy at the schedule time. You can check the execution logs generated at the following location:

```
C:\Windows\ccmcache\<latest directory>\Data\<clientname>.txt
```

Uninstalling NetBackup clients

Download and package creation for uninstalling NetBackup clients using SCCM are similar to installing and upgrading.

Note: You can skip the procedure to download the files if you have completed it for installing NetBackup clients.

To download files and prepare for the deployment

1. Create a directory named `Data` on the SCCM share. The following example uses a share named `Mastershare`:

```
\\Shareserver\Mastershare\Data
```

2. Download the `SCCMTemplate.zip` file from the Veritas Services and Operations Readiness Tools (SORT) site (<https://sort.veritas.com/utility/netbackup/deployment>).

Extract the files from the `.zip` file and copy the files to the `Data` directory.

3. Copy the NetBackup client installable files for Windows to the SCCM share, as follows:

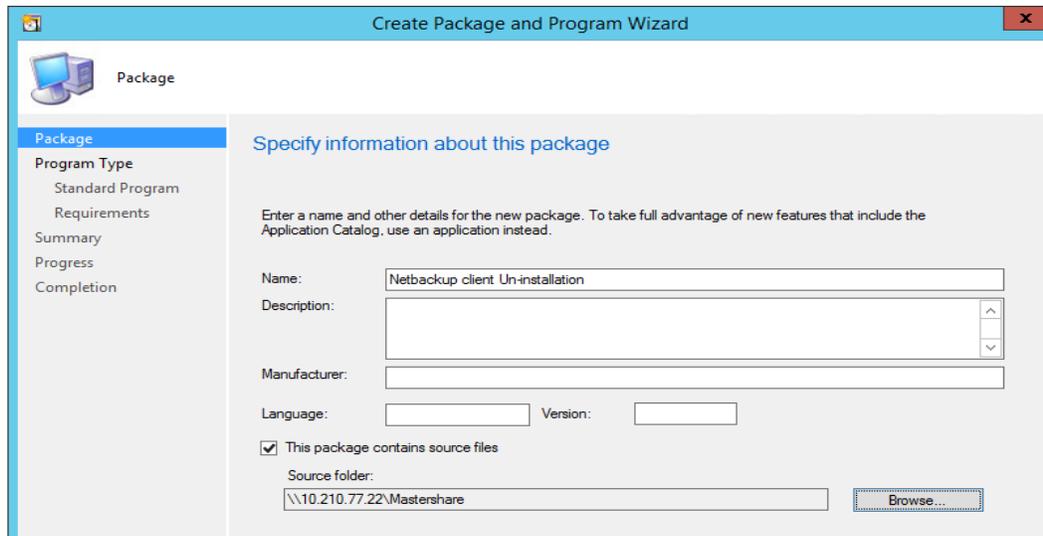
```
\\FileShareServer\NetBackup_8.1_Win\PC_Cln
```

4. In the SCCM **Assets and compliance** tab, ensure the collection includes all the servers on which NetBackup client needs to be deployed.

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To create the SCCM deployment package for uninstallation

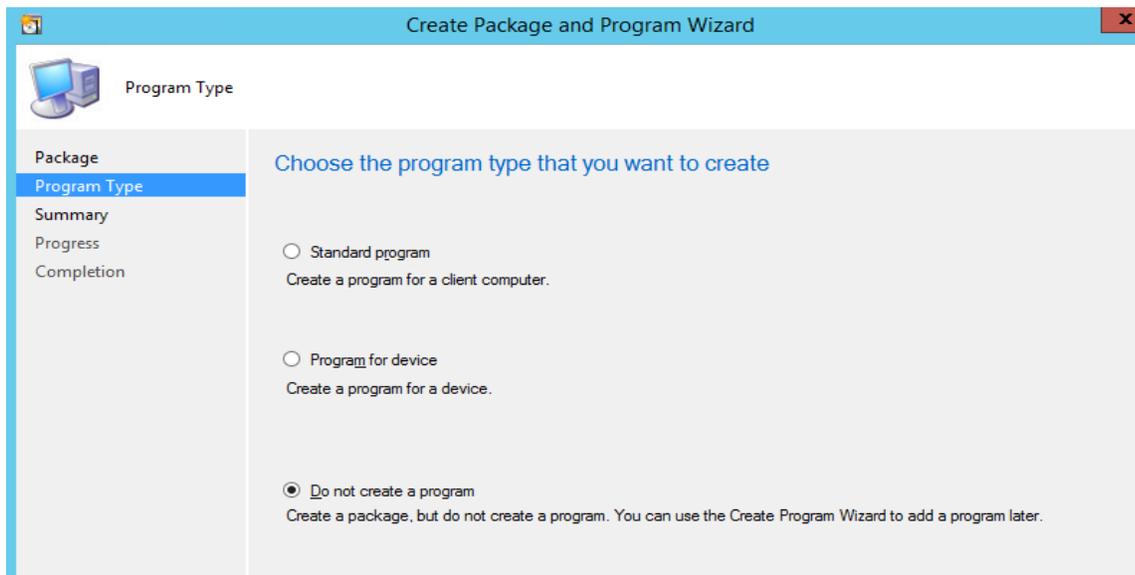
1. In the SCCM administration console, open the **Software library** tab.
2. Go to **Application Management > Packages** and select **Create Package**.
3. The **Create Package and Program Wizard** launches. On the **Package** page, provide a name and brief description for the package, then select **This package contains source files** and specify the path of the SCCM share.



The screenshot shows the 'Create Package and Program Wizard' window with the 'Package' page selected. The window title is 'Create Package and Program Wizard'. The left sidebar shows the navigation menu with 'Package' selected. The main area is titled 'Specify information about this package' and contains the following fields and options:

- Name:** Netbackup client Un-installation
- Description:** (Empty text area)
- Manufacturer:** (Empty text field)
- Language:** (Empty dropdown menu) **Version:** (Empty text field)
- This package contains source files
- Source folder:** \\10.210.77.22\Mastershare
- Browse...** button

4. On the Program Type page, select **Do not create a program**, then complete the wizard.



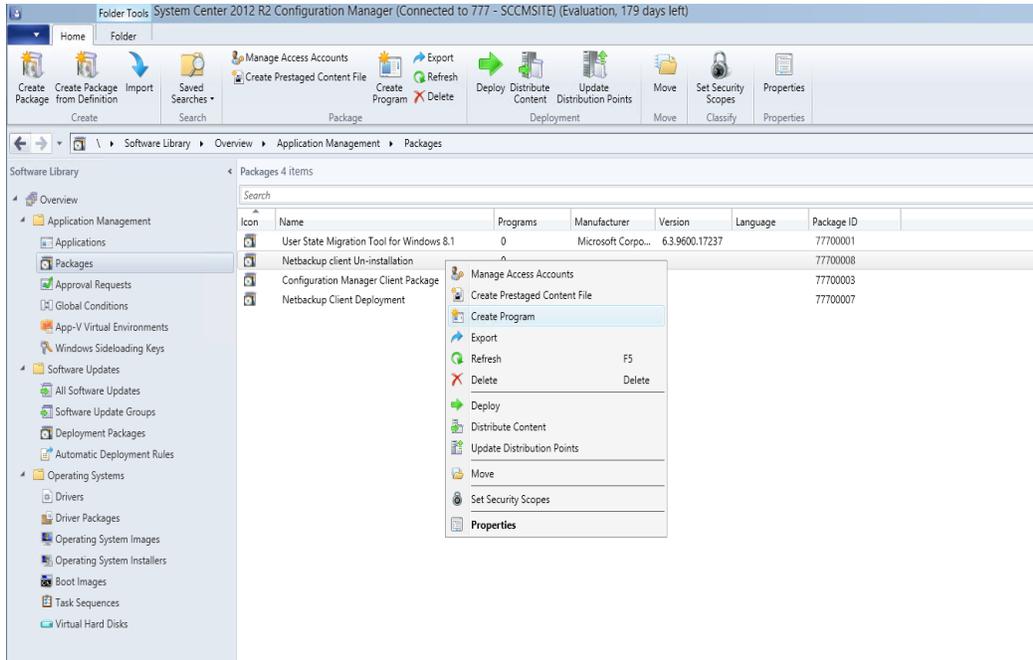
The screenshot shows the 'Create Package and Program Wizard' window with the 'Program Type' page selected. The window title is 'Create Package and Program Wizard'. The left sidebar shows the navigation menu with 'Program Type' selected. The main area is titled 'Choose the program type that you want to create' and contains the following options:

- Standard program
Create a program for a client computer.
- Program for device
Create a program for a device.
- Do not create a program
Create a package, but do not create a program. You can use the Create Program Wizard to add a program later.

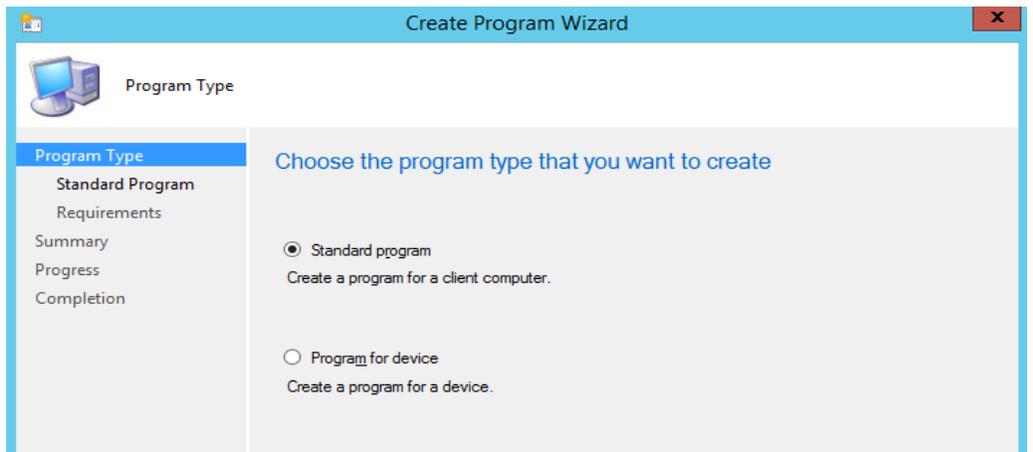
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To create the deployment program for the uninstallation

1. In SCCM, right-click the **Netbackup Client Uninstallation** package and select **Create program**.

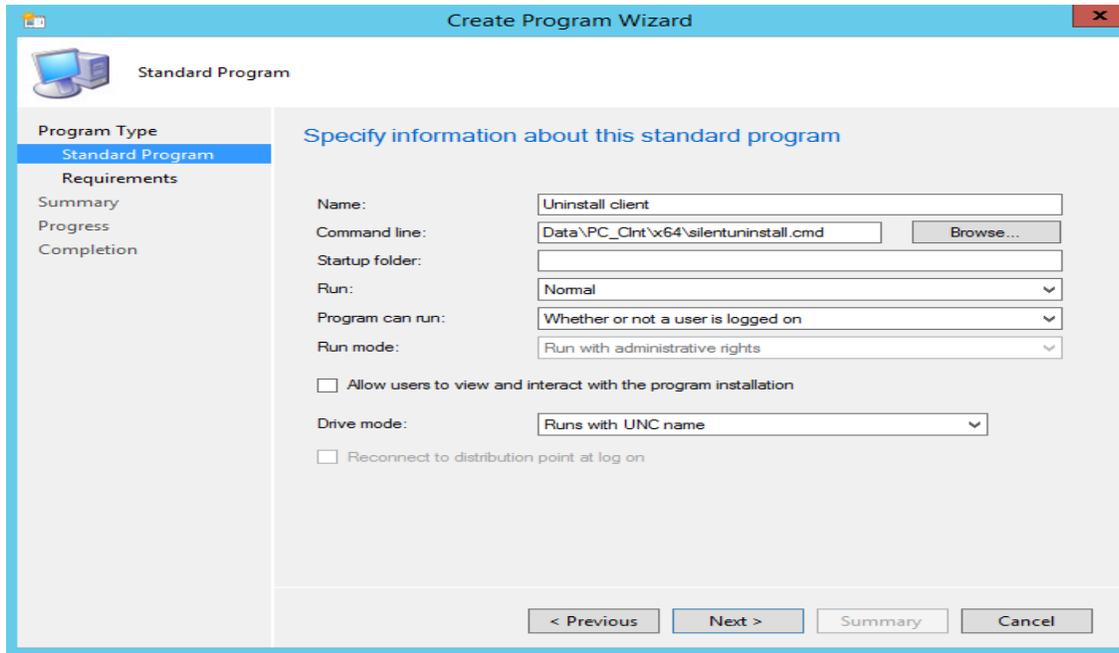


2. The **Create Program Wizard** launches. Select **Standard program** as the program type.

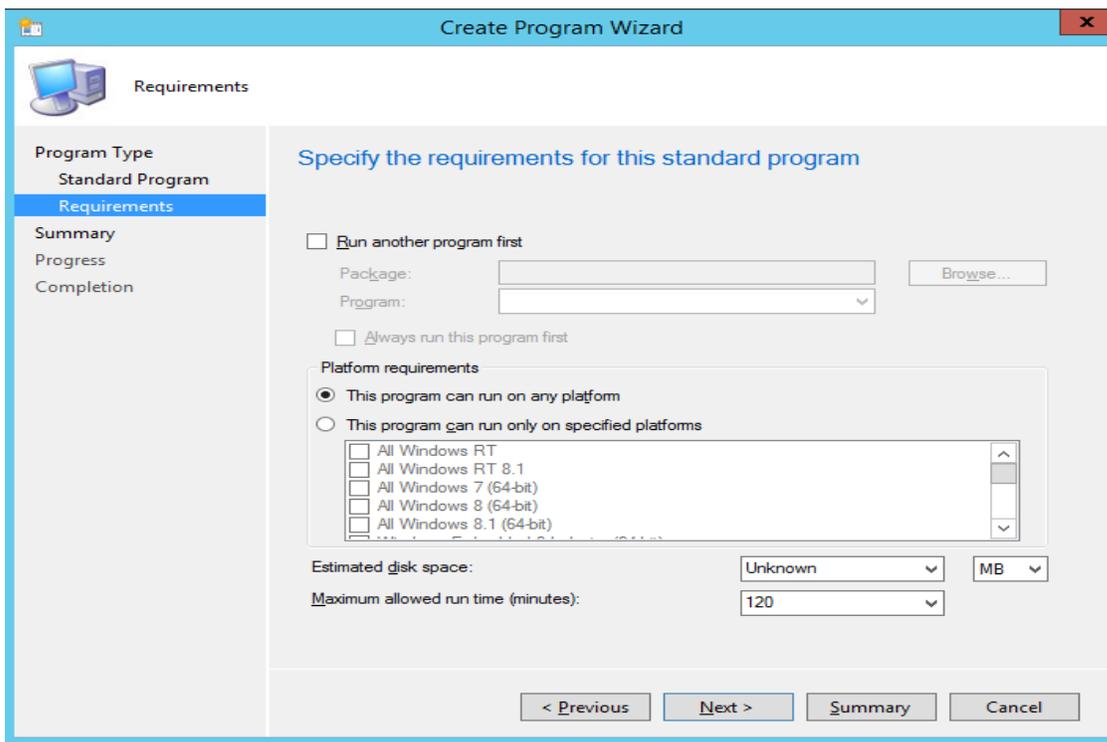


NetBackup Deployment Template User Guide for SCCM

3. On the **Standard Program** screen, specify the name **Uninstall Client** and click **Browse**. Navigate to the `\\Shareserver\Mastershare\Data\PC_Cln\X64` directory. Select `silentuninstall.cmd` and specify that the program can run whether a user is logged on, as follows:



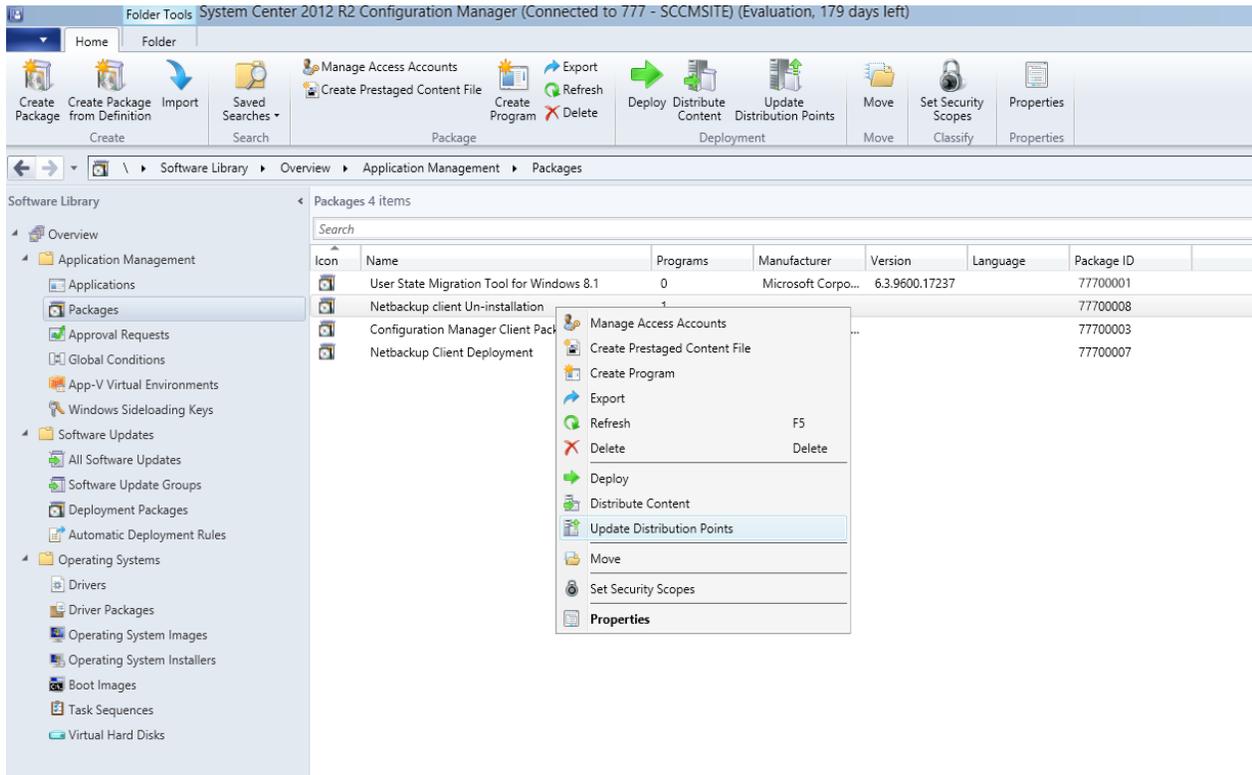
4. On the **Requirements** page, select **This program can run on any platform**, and complete the wizard.



NetBackup Deployment Template User Guide for SCCM

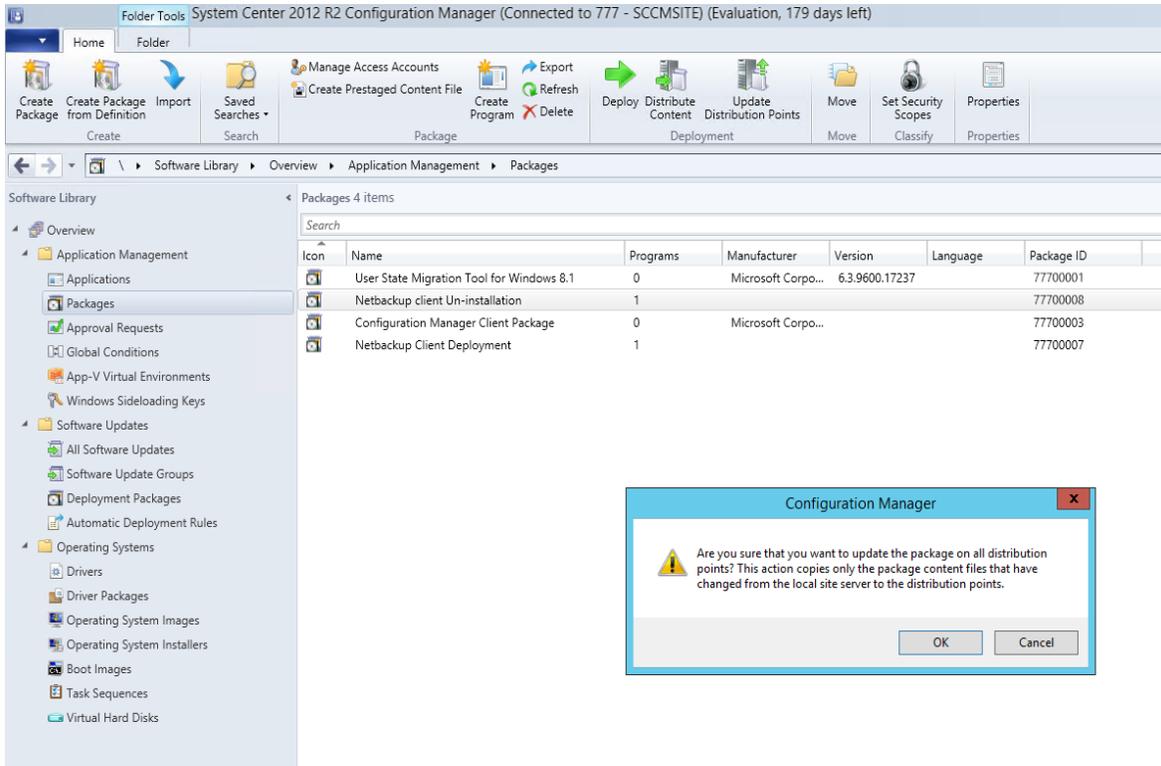
To uninstall the client

1. Before starting the uninstall, ensure that the following prerequisites are in place:
 - The NetBackup client software installation package is present in the `Data` on the SCCM share, as in the following example: `\\Shareserver\Mastershare\Data`
 - The collection containing the servers is present in SCCM under the **Assets and compliance** tab
2. In SCCM **Application Management > Packages**, right-click **NetBackup Client Un-installation** and select **Update Distribution Points**, as follows:

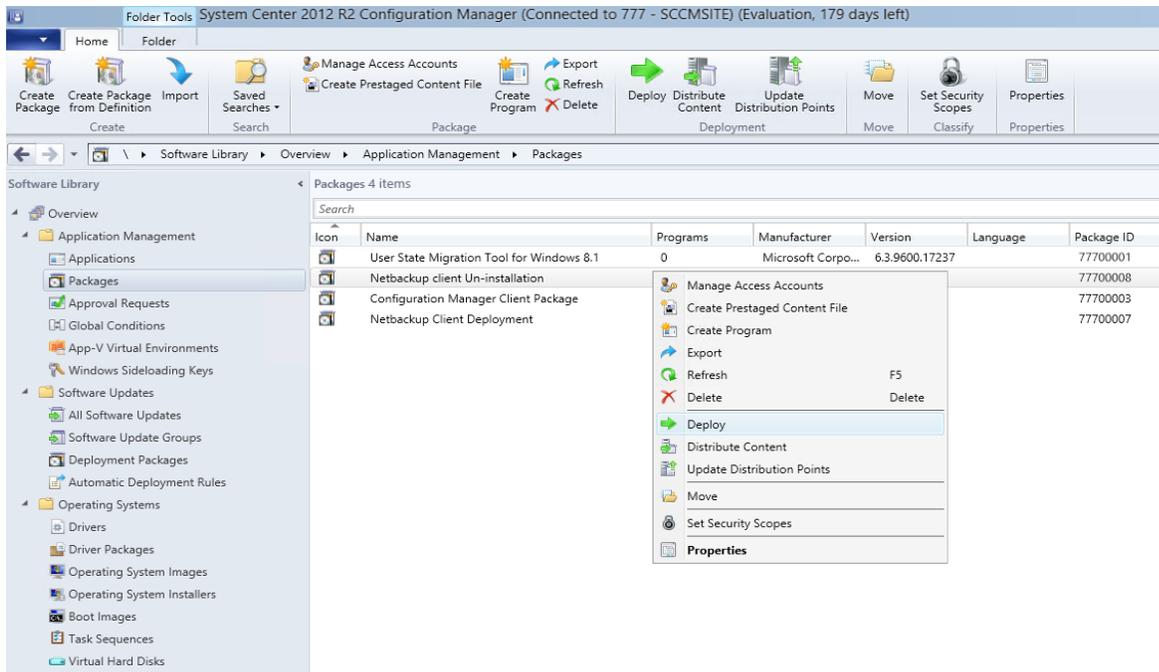


NetBackup Deployment Template User Guide for SCCM

3. In the **Configuration Manager** dialog, click **OK**.

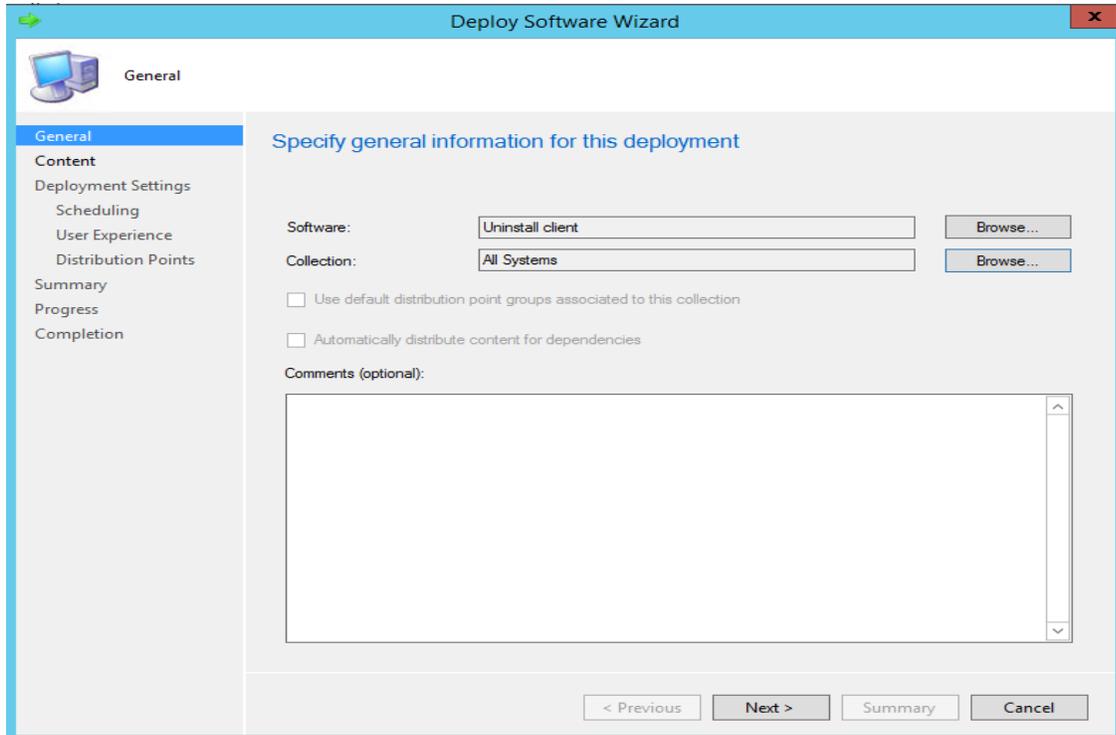


4. In SCCM **Application Management > Packages**, right-click **NetBackup Client Un-Installation** and select **Deploy**, as follows

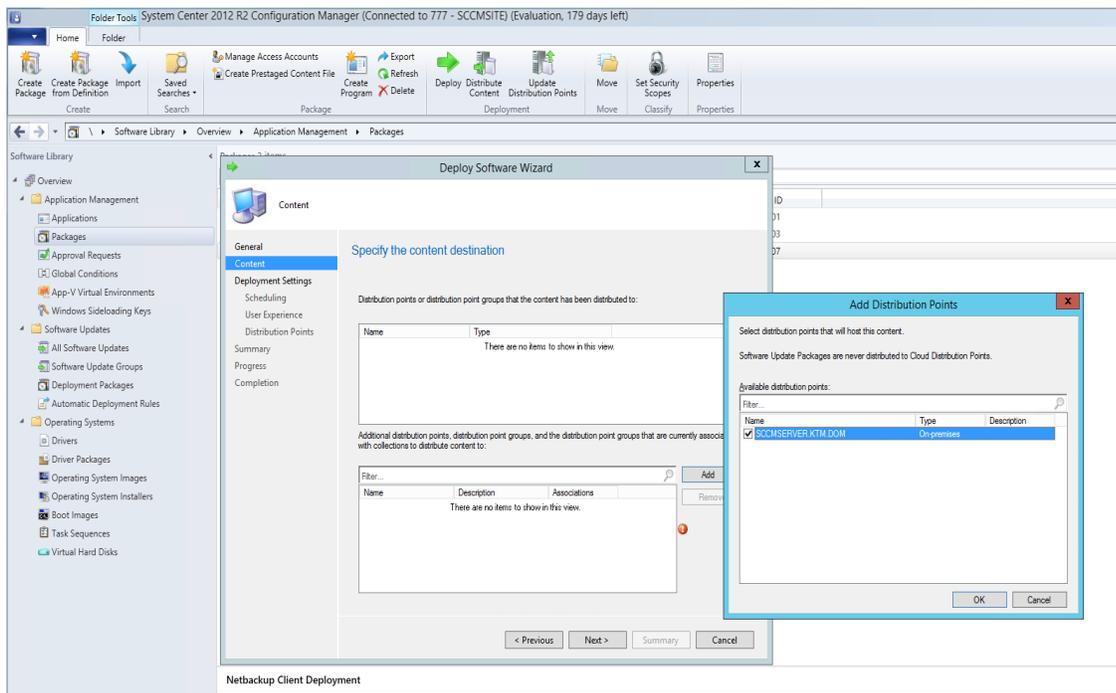


NetBackup Deployment Template User Guide for SCCM

5. The **Deploy Software** wizard launches. On the **General** page, select **Browse** to specify the **Uninstall client** software to deploy. For Collection, select the collection of servers on which NetBackup client will be installed.

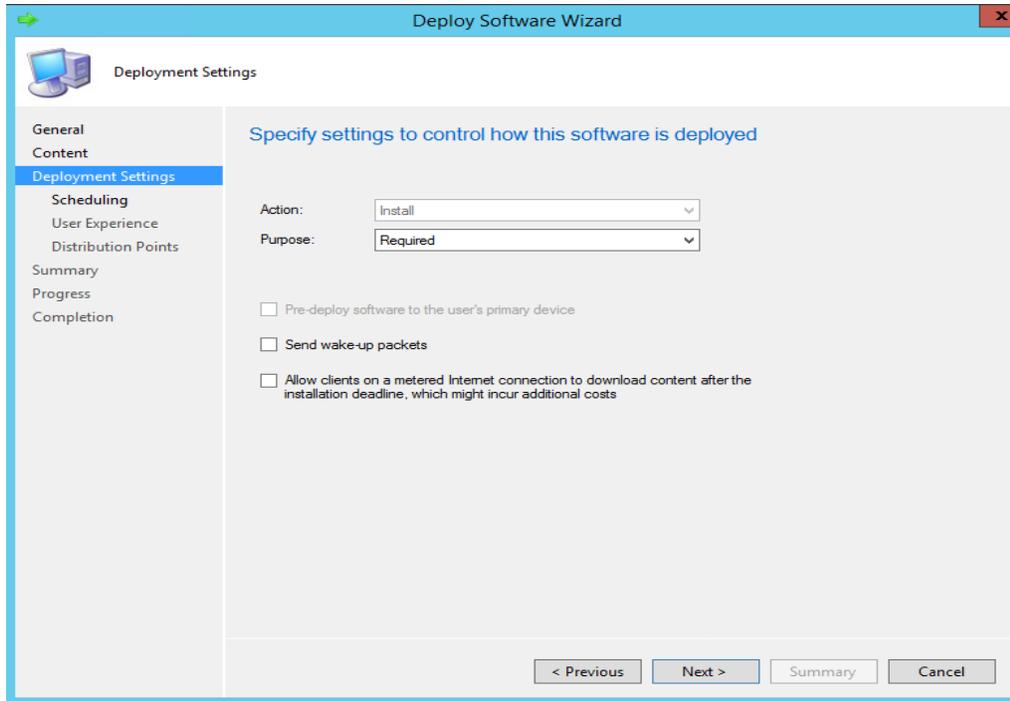


6. On the **Content** page, click **Add** and select the distribution point for your collection, as follows:

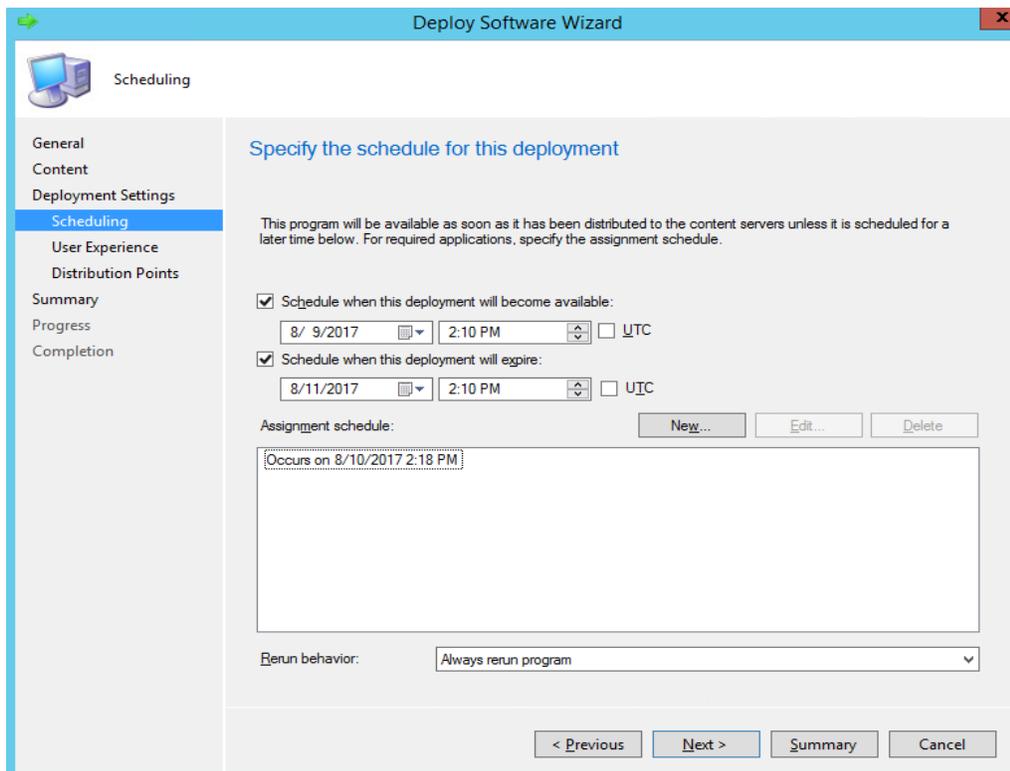


NetBackup Deployment Template User Guide for SCCM

7. On the **Deployment Settings** page, select **Install** and **Required**.

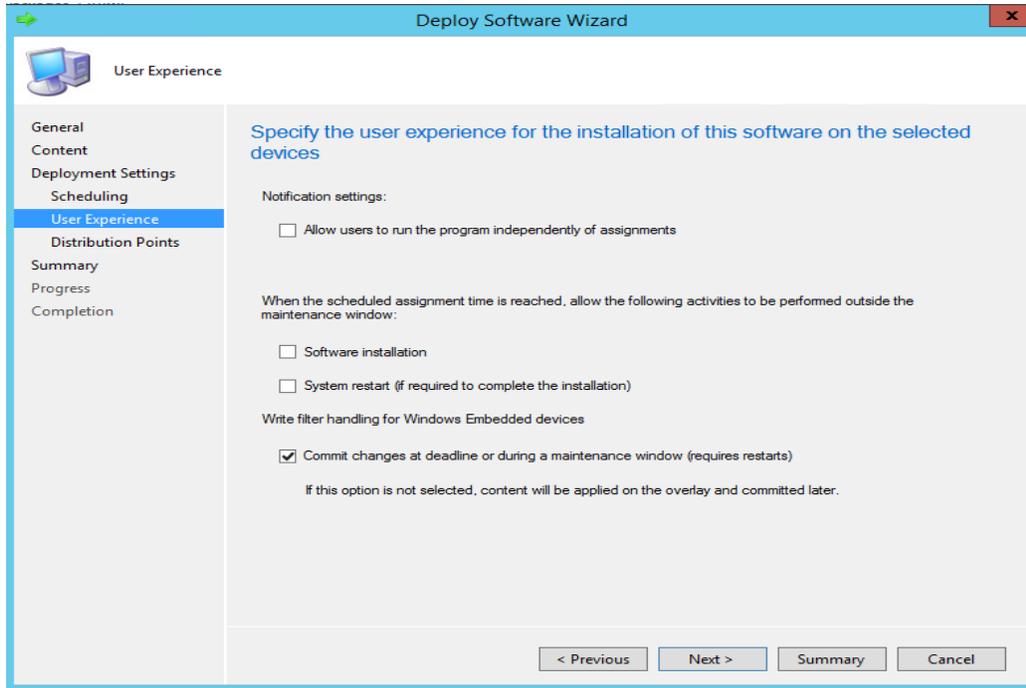


8. On the **Scheduling** page, specify when you want uninstall to run and select **Always re-run program**.



NetBackup Deployment Template User Guide for SCCM

9. On the **User Experience** page, retain the default settings, as follows:



10. On the **Distribution Points** page, select **Download content from distribution point and run locally** and complete the wizard. Clients will uninstall at the schedule time.

