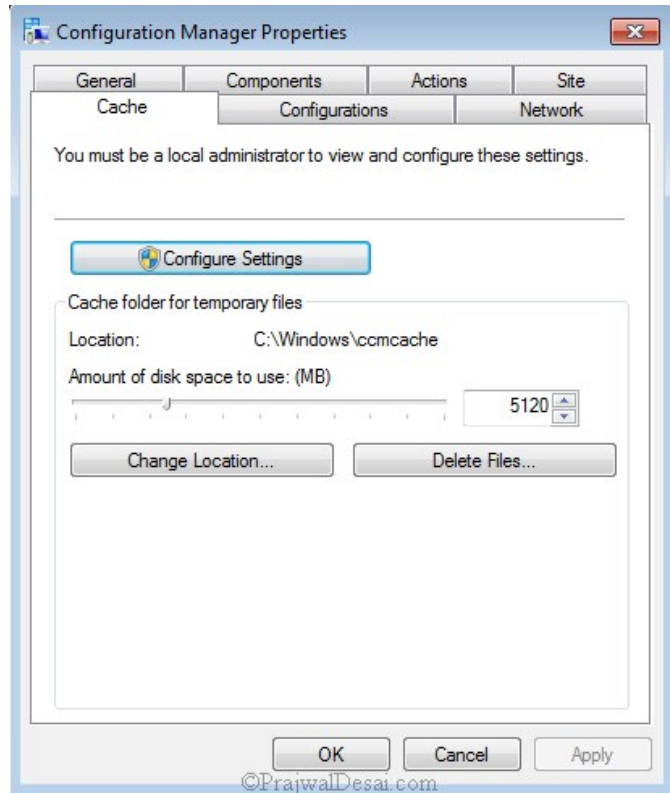


How to increase SCCM client cache size

How to increase SCCM client cache size when you have large applications to deploy during an OSD, it will fail because the size of the [SCCM Client Cache](#) is not big enough to cache the application installation files. Software updates also use the client cache, but software updates are not restricted by the configured cache size and will always attempt to download to the cache. You can configure the client cache settings when you install the Configuration Manager client manually, when you use client push installation, or after the client is installed. When you distribute software, you can set the Advanced Client to download package source files from a distribution point to a cache on the Advanced Client computer before the program runs. When the program runs, it uses the source files in the cache instead of the source files on the distribution point. By default, the [SCCM 2012 Client Cache](#) is set to 5120MB and if you do not set this property while installing SCCM Client, the folder defaults to a maximum size of 5120 MB. The lowest value you can specify is 1 MB.



You could change the client cache size on a single machine by getting into **Control Panel > Configuration Manager Client Properties > Cache >** click on **Configure Settings** and change the value of cache size and click **OK**.

VB script to modify SCCM client cache size

```
On Error Resume Next
Dim UIResManager
Dim Cache
Dim CacheSize
CacheSize=20000
Set UIResManager = createobject("UIResource.UIResourceMgr")
Set Cache=UIResManager.GetCacheInfo()
Cache.TotalSize=CacheSize
```

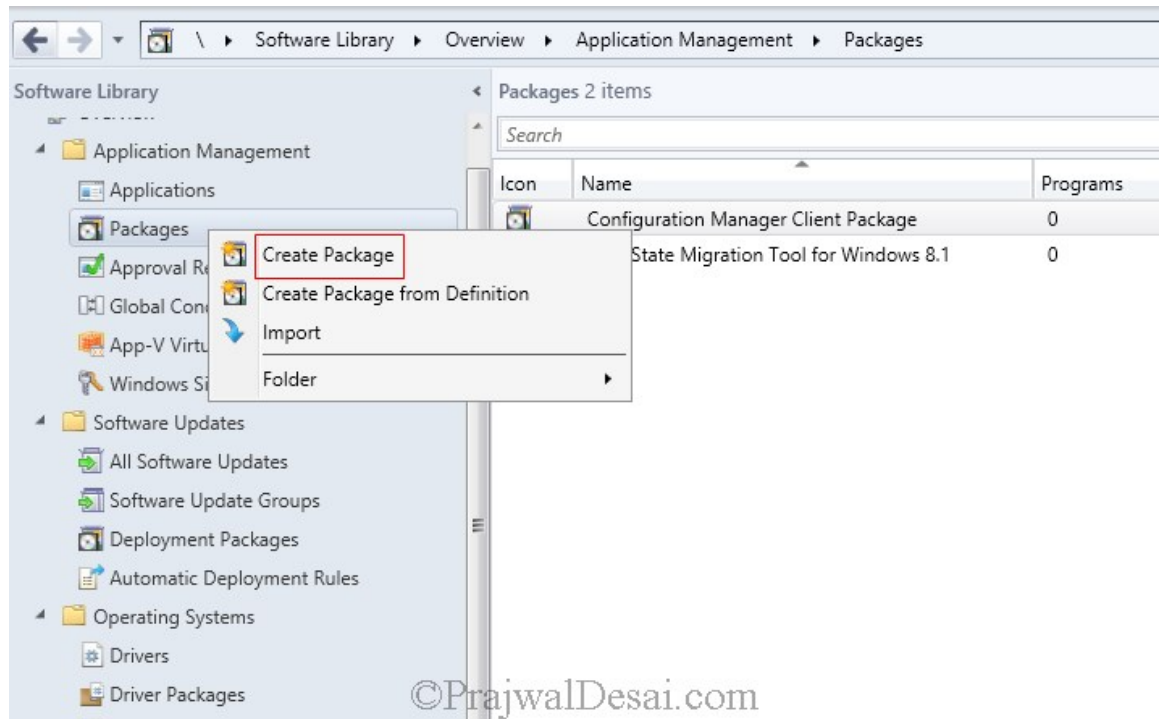
Power shell script to increase SCCM client cache size

```
$Cache = Get-WmiObject -Namespace 'ROOT\CCM\SoftMgmtAgent' -Class CacheConfig
$Cache.Size = '10240'
$Cache.Put()
Restart-Service -Name CcmExec
```

You could download the VB and PowerShell script by clicking on above button.

If you want to change SCCM client cache size on multiple computers then you could deploy the script to a device collection. Here are the steps to change the client cache size.

Launch the **Configuration Manger** console, click on **Software Library** and click on **Application Management**. Right click on **Packages** and click on **Create Package**.



Provide the **Name**, **Description** for this package. You need to specify the location where you have stored the script files so your **Source folder** should be the path where the script is located. Click **Next**.

Create Package and Program Wizard

Package

Specify information about this package

Enter a name and other details for the new package. To take full advantage of new features that include the Application Catalog, use an application instead.

Name:

Description:

Manufacturer:

Language: Version:

☒ This package contains source files

Source folder:

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We will be using the VB script to change the cache size, provide details for the standard program as shown in the below screenshot. cc.vbs is the name of the script file. Click **Next** and complete the wizard.

Create Package and Program Wizard

Standard Program

Specify information about this standard program

Name:

Command line:

Startup folder:

Run:

Program can run:

Run mode:

☐ Allow users to view and interact with the program installation

Drive mode:

☐ Reconnect to distribution point on failure

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Before you deploy the package you need to distribute the package to the distribution point, so right click on the package and click **Distribute Content** and distribute the package to the desired DP. The next step is to deploy the package to a device collection, right click the package and click on **Deploy**.

Packages 3 items

Search

Icon	Name	Programs	Manufacturer	Version	Language	Package ID
	Configuration Manager Client Package	0	Microsoft Corpo...			IND00004
	Modify SCCM Client Cache				English	IND00008
	User State Migration Tool for Windo			6.3.9600.16384		IND00001

- Manage Access Accounts
- Create Prestaged Content File
- Create Program
- Export
- Refresh F5
- Delete Delete
- Deploy**
- Distribute Content
- Update Distribution Points
- Move
- Set Security Scopes
- Properties

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Choose the collection for which you want to deploy this package and click **Next**.

Deploy Software Wizard

General

Specify general information for this deployment

Software:

Collection:

☐ Use default distribution point groups associated to this collection

☐ Automatically distribute content for dependencies

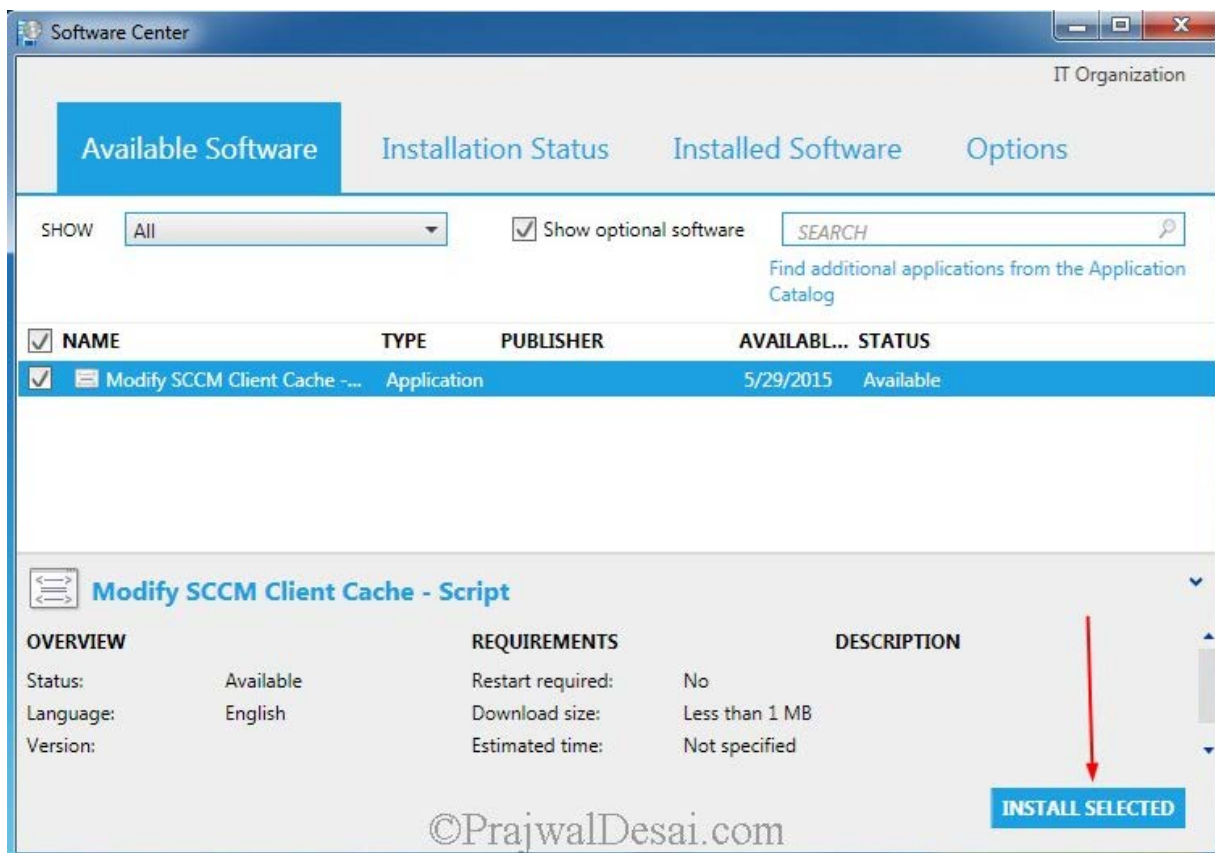
Comments (optional):

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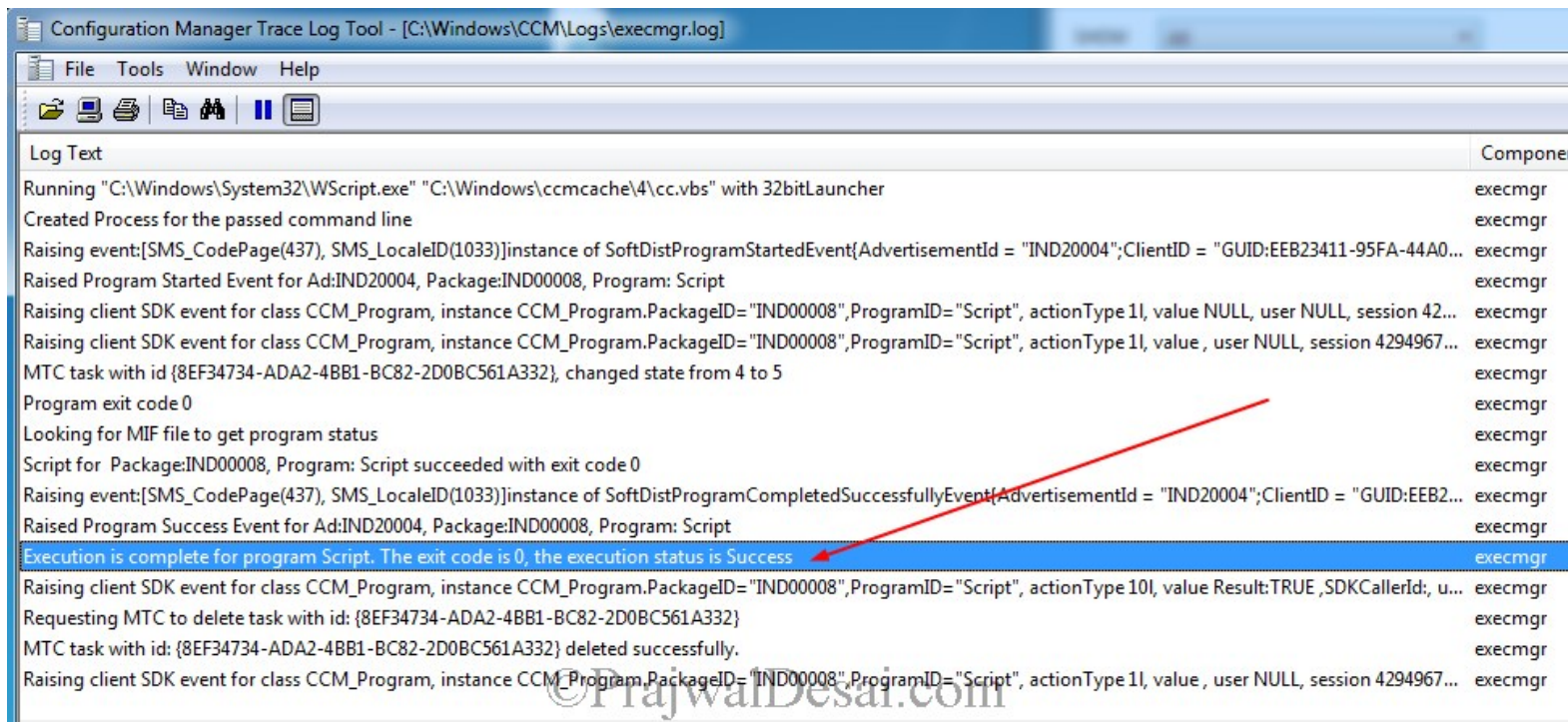
Set the **Purpose** to **Available** or **Required**. In this example I am setting it to **Available**. Click **Next** and complete the remaining steps by clicking **Next**.



On the client machine open the **Software Center** and select the package and click **Install Selected**.



Open the **execmgr.log** file on the client machine to see more details on the program execution.



After the script is run you can see the client cache size is increased.

