

## How to Deploy the Barracuda Content Shield Agent Using RMM Solutions

<https://campus.barracuda.com/doc/75696263/>

This article demonstrates how to use the ConnectWise Automate Control Center RMM tool to install or uninstall the Barracuda Content Shield Agent for Windows on client (endpoint) machines. While there are many RMM (Remote Monitoring and Management) tools available, this article can guide you with the script examples here. To get the Barracuda Content Shield Agent for Windows, see [How to Manage Deployment of the Barracuda Content Shield Agent for Windows](#).

To use the ConnectWise Automate Control Center:

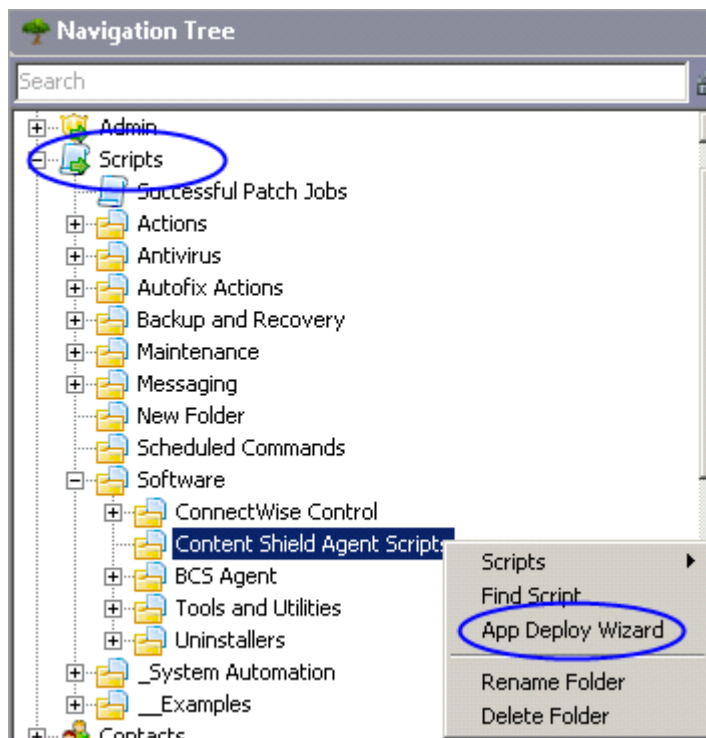
1. Log into your Automate Control Center application.
2. Create the script you want to use, following examples in this guide.
3. Run the script.

### Create a Script to Install the Barracuda Content Shield Agent

#### Step 1: Create the initial script.

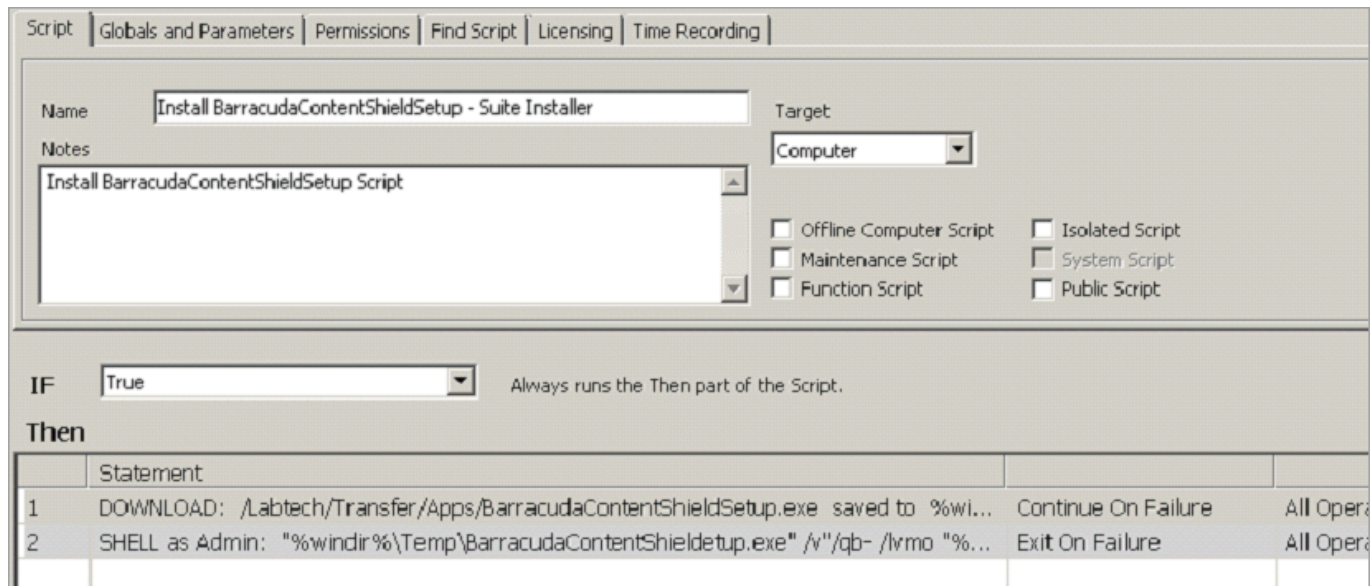
Follow these steps to create a basic script using the App Deployment Wizard. Example templates are shown below. Before you begin, note where you have stored the installer (BarracudaContentShieldSetup-[version].exe) as well as the account configuration file (bcs.key) from the **Downloads** page in Barracuda Content Shield Portal.

1. Create a shared network drive or a server that is accessible from both Automate Control Center as well as the endpoint machine.  
The two files mentioned above must be stored in the same location on the server for the agent installation to complete properly.
2. Go to the Automate Control Server **Navigation Tree** on the left part of the screen.
3. To create and manage scripts, click to expand the **Scripts** folder in the tree (see below).
4. Right-click on **Scripts** to add a new folder where you can organize your scripts. For example, you can title the new folder **Content Shield Agent Scripts**, then create and store your scripts there. The example below shows a Software folder that contains a folder titled **Content Shield Agent Scripts**, where you can store the agent scripts.
5. Right-click on the new folder where you want to create and store scripts, and click **App Deploy Wizard**.



6. When prompted "How do you want to deploy the application?", choose **Install from a local network share**. Click **Next**.
7. For **Installer Type**, select *Windows Installer (MSI)*.
8. For **Installer File**, enter `BarracudaContentShieldSetup-[version].exe`
9. For **Install Parameters**, enter `/q`.
10. Check **Copy Installer to Local Machine**. Click **Next**.
11. When prompted for **Script Installer Conditions**, select **Always Run the Installer**. Do not select **Reboot After Install**. Click **Next**.
12. On the **Finish Wizard and Create Script** popup, give your script a name, and then click **Create**.
13. Click **Refresh** in the upper left corner of the screen to see the script listed the folder you created in step 4 above.

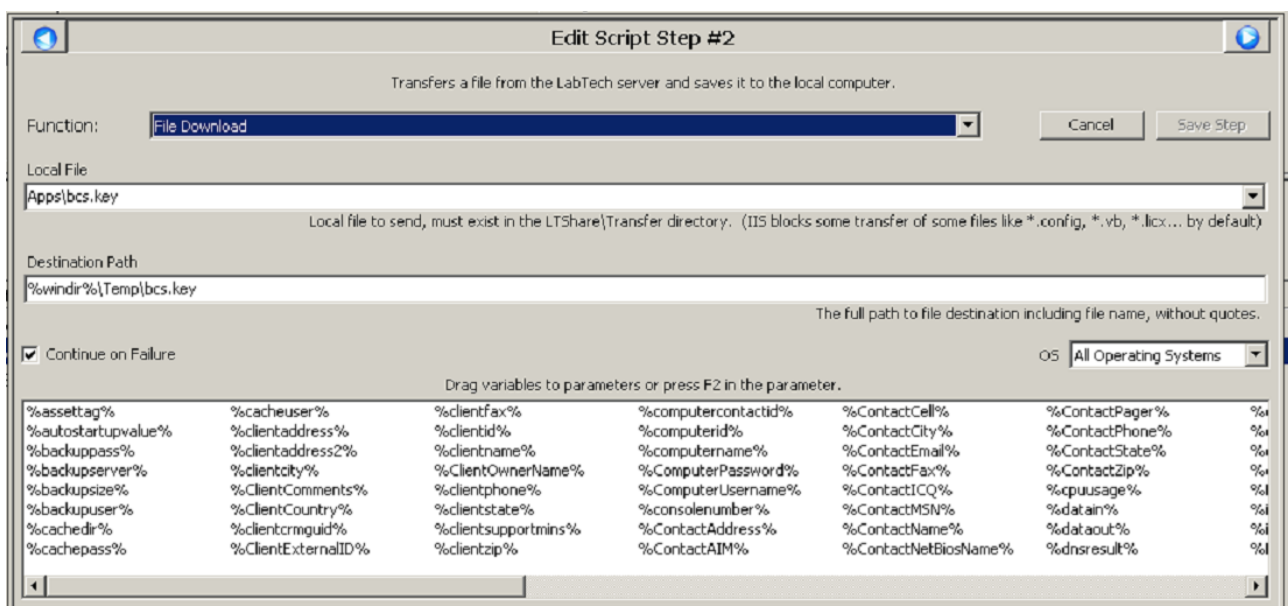
The initial script should look something like this:



## Step 2: Edit the initial script.

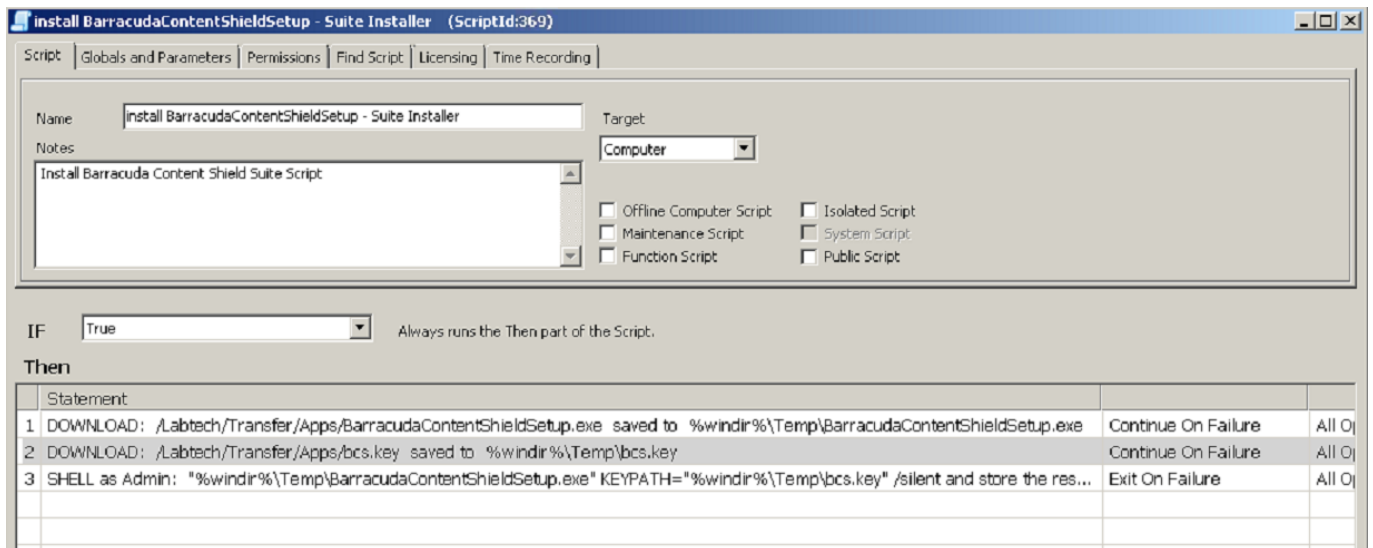
You must edit your script to add a step that also puts the *bcs.key* file on the endpoint machine. This is critical for the agent to install properly. Follow these steps to edit your script.

1. After you complete the download, you must add a *File Download* function where the local file is *bcs.key*. Store this file with the installer on the server. Right-click in the script to add a step, or to move a step up or down.



2. Click **Save Step** after editing.

The final script should look something like this. Each step is described below under **Script Contents**.



Statement		
1 DOWNLOAD: /Labtech/Transfer/Apps/BarracudaContentShieldSetup.exe saved to %windir%\Temp\BarracudaContentShieldSetup.exe	Continue On Failure	All Oj
2 DOWNLOAD: /Labtech/Transfer/Apps/bcs.key saved to %windir%\Temp\bcs.key	Continue On Failure	All Oj
3 SHELL as Admin: "%windir%\Temp\BarracudaContentShieldSetup.exe" KEYPATH="%windir%\Temp\bcs.key" /silent and store the res...	Exit On Failure	All Oj

## Script Contents

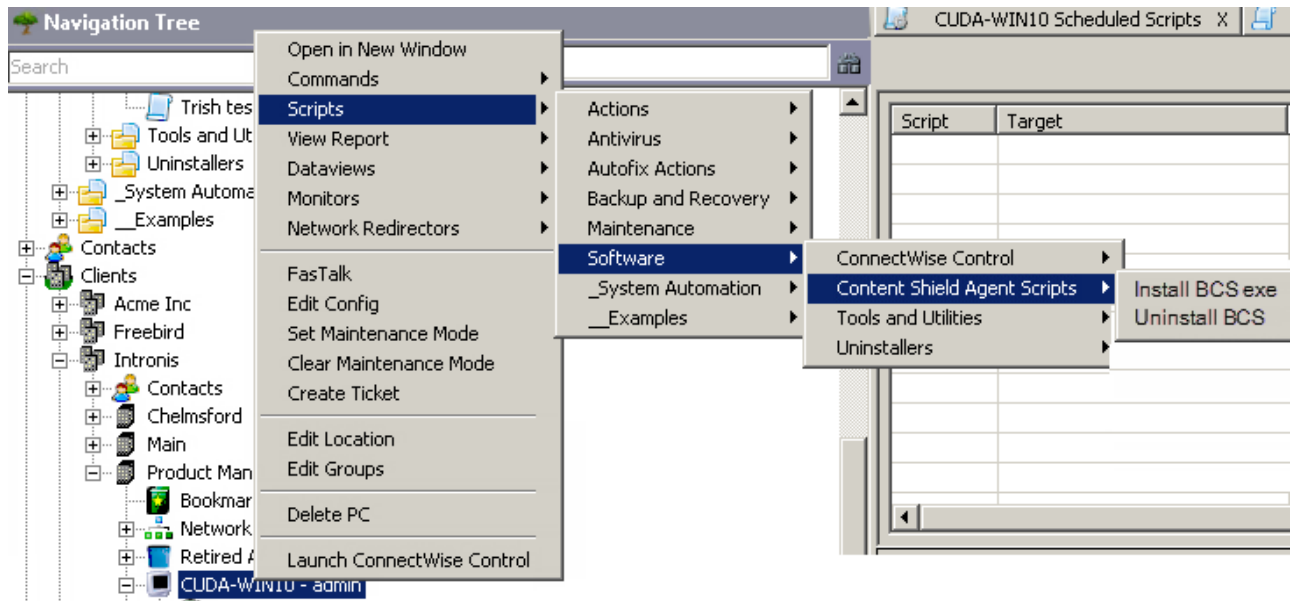
The script shown above should run on the server.

- The first step downloads the installer, BarracudaContentShieldSetup- [version] .exe, to the endpoint machine.  
 DOWNLOAD: /Labtech/Transfer/Apps/BarracudaContentShieldSetup- [version].exe saved to %windir%\Temp\BarracudaContentShieldSetup- [version].exe
- The second step downloads the bcs.key file to the endpoint machine. The bcs.key file should have been downloaded from the **Downloads** page of Barracuda Content Shield and stored in the same location as the BarracudaContentShieldSetup- [version] .exe installer on the server.  
 DOWNLOAD: /Labtech/Transfer/Apps/bcs.key saved to %windir%\Temp\bcs.key
- The third step installs the software by running the downloaded bootstrap application. This also installs any prerequisites that might be missing on the endpoint machine. Note that you must run the script as *Admin*, which is why you see 'Shell as Admin'. (Note that wizard does this automatically.)  
 SHELL as Admin "%windir%\Temp\BarracudaContentShieldSetup- [version].exe"  
 KEYPATH=%windir%\Temp\bcs.key /silent and store the result in %shellresult%  
 Where: %shellresult% returns the result (success or failure of the installation) to Automation Control Center.

## Run the Install Script

- In the Navigation Tree, expand **Clients** to find the client machine. In the example below, the client is called **CUDA-WIN10**. If you do not see the client machine, you might need to reboot it, then wait a few minutes and refresh button triggers.
- Right-click on the client and select **Scripts > Software**.

3. Navigate to the scripts location that you created in step 4 of **Create a Script to Install the Barracuda Content Shield Agent** above.
4. Select the script you want to execute on the machine and select the time of execution. If it should be immediate, then use the default selection. Follow instructions in the script to finish the dialog.



ConnectWise connects to the remote agent and passes on the execution command to the client machine, where the script is executed. You can view information about the client and follow script activity by double-clicking the client machine in the Navigation Tree. There is a script section where you can find information about scripts that have been scheduled, queued, or already executed.

### Create the Uninstall Script

**Important** Note: The endpoint machine must be rebooted after uninstalling the agent.

Your script should look something like this:

uninstall BarracudaContentShieldSetup - Suite Installer (ScriptId:370)

Script | Globals and Parameters | Permissions | Find Script | Licensing | Time Recording

Name:  Target:

Notes:

☐ Offline Computer Script ☐ Isolated Script  
☐ Maintenance Script ☐ System Script  
☐ Function Script ☐ Public Script

IF:  Always runs the Then part of the Script.

Then

	Statement		
1	DOWNLOAD: /Labtech/Transfer/Apps/BarracudaContentShieldSetup.exe saved to %windir%\Temp\Ba...	Exit On Failure	All Operating Systems
2	SHELL as Admin: "%windir%\Temp\BarracudaContentShieldSetup.exe" /remove /silent and store the re...	Exit On Failure	All Operating Systems
3	SHELL as Admin: shutdown /r /t 0 and store the result in %shellresult%	Exit On Failure	All Operating Systems

**Updating the Agent**

To update the Barracuda Content Shield Agent, first uninstall both components from the endpoint machine, and then install the latest version.

## Figures

1. NavigationTreeAndScriptsWiz.png
2. SampleInstallScriptWiz.png
3. EditRMMScriptStep2.PNG
4. rmm\_script\_install\_incl\_all\_steps.PNG
5. OpenInstallScript.png
6. UninstallScriptDec2018.PNG

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