



# Fast Channel for Right Click Tools

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Right Click Tools' Fast Channel support allows you to send Recast Actions over the Cloud Management Gateway (CMG) to your internet-connected devices. Communication via Fast Channel is push-based, and therefore not dependent on the client policy polling interval. Clients establish a persistent connection with a server that can notify clients of time-sensitive tasks over the channel. The client can then take action in response to the notification.

Fast Channel setup requires that a script be installed in your Configuration Manager console and that a WMI provider to be installed on the devices you would like to manage via the Fast Channel. The script is created when installing Right Click Tools and the WMI provider is installed during Recast Agent deployment.

After importing the Fast Channel script, you can configure Fast Channel support in the Recast Management Server interface by creating a ConfigMgr Fast Channel route. See [Routes](#).

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## Fast Channel Prerequisites

### Component Prerequisites

You must have the most recent version of the following configured and functional:

- Configuration Manager
- [Virtual Machine Scale Set Cloud Management Gateway](#)
- [Recast Management Server with Recast Proxy](#) - used to manage Fast Channel support, proxy allows the Recast Management Server to read from Active Directory and Configuration Manager to populate scopes
- [Proxy permissions for Fast Channel support](#) - The account used for Recast Proxy must have the ability to read devices with the Add/Remove programs table, and permissions to run scripts.
- [Right Click Tools](#) - Contains the Fast Channel script to be added to the Configuration Manager console
- [Recast Agent](#) - Must be installed on devices

### Configuration Prerequisites

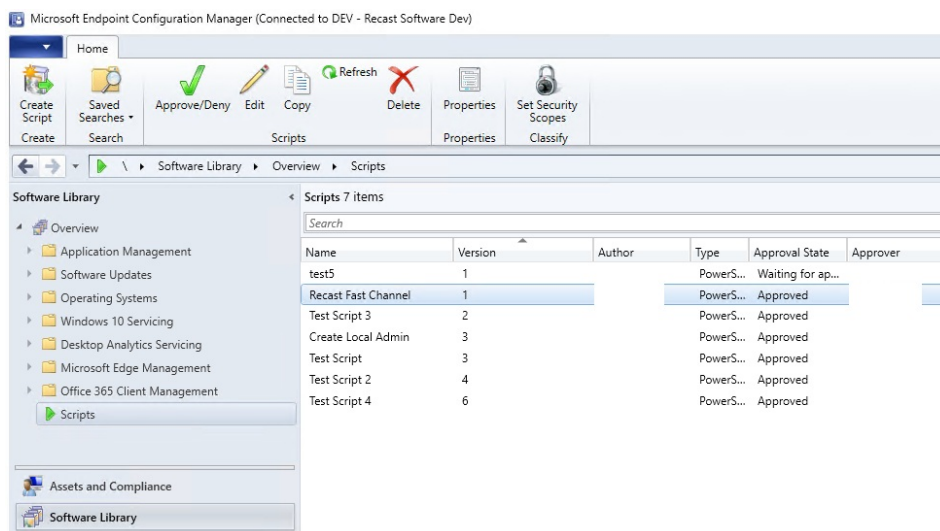
Ensure that the following items are configured before attempting to run actions using the Fast Channel:

- [Import the Fast Channel script](#) into Configuration Manager and approve it as-is, without modification.
- Ensure that the Recast Action to be run is included in the plugins listed in the Fast Channel script.
- Ensure that the Fast Channel route is high enough in the Routes list in RMS to be used. See [Create a Fast Channel Route](#).
- Limit the Fast Channel route to a specific [scope](#). Using the default 'All Scopes' setting will not work.

- Check that the target device is within the Fast Channel [route scope](#).
- Make sure that the Recast Management Server is aware that the target device is within the Fast Channel route scope. This may involve repopulating the scope if the device was recently added to that scope's limiting collections.
- Verify that Configuration Manager is aware that Recast Agent is installed on the devices.

## Import Fast Channel Script

Import and approve the ConfigMgr Fast Channel Script in your Configuration Manager console. The **Recast ConfigMgr Fast Channel.ps1** script is located at `C:\Program Files (x86)\Recast Software\Recast Console Extension\Extras`.



## Create a Fast Channel Route

To create a Fast Channel route:

1. In your Recast Management Server, navigate to **Administration > Routes**.
2. In the main window, click **Create**.
3. In the **Create Route** window, set the route **Type** to **ConfigMgr Fast Channel**.
4. Enter **Recast Proxy** details.
5. Set the **Role** to **Administrators**.
6. Make sure that **Limit to devices** is enabled and [select devices to include within the scope](#).

Notes on Limiting to Devices:

- You must limit the Fast Channel route to a specific scope. Using the default 'All Scopes' setting will not work.
- Target devices must fall within the Fast Channel route scope.
- The Recast Management Server must be aware that the target device is within Fast Channel route scope. This may mean repopulating the scope, particularly when the device was recently added to that scope's limiting collections.

7. Set the **Refresh Interval**.

8. Select the **Service Connection**. For more information, see [Service Connections](#).

9. Click **Create**.

To make actions run using the Fast Channel route, you must move that route from the bottom of the **Routes** table to a row that is above the Console Extension route.

## Determine Devices Routed via Fast Channel

To find out which devices can be routed to via the Fast Channel:

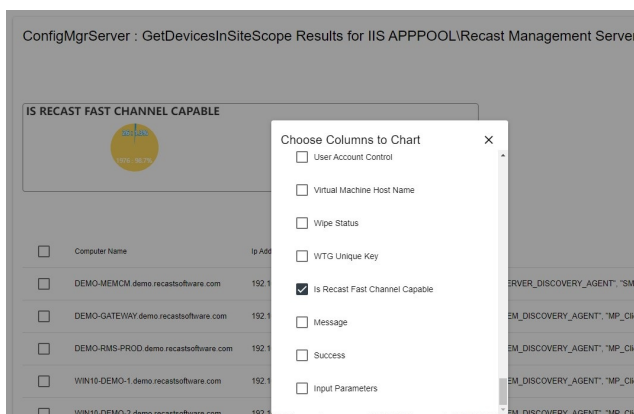
1. In the **Audit Log**, click on the **GetDevicesInCollectionScope** or **GetDevicesInSiteScope** actions.

Audit Log

Search	Start Date	End Date	
	2021/12/31	2022/01/08	
1/7/2022 1:40:58 PM	IIS APPPOOL\Recast Management Server	ConfigMgrServer	GetDevicesInSiteScope 00:00:05.7 PROXIES

2. Click the **View Results icon** to the left of the **Proxies** button.

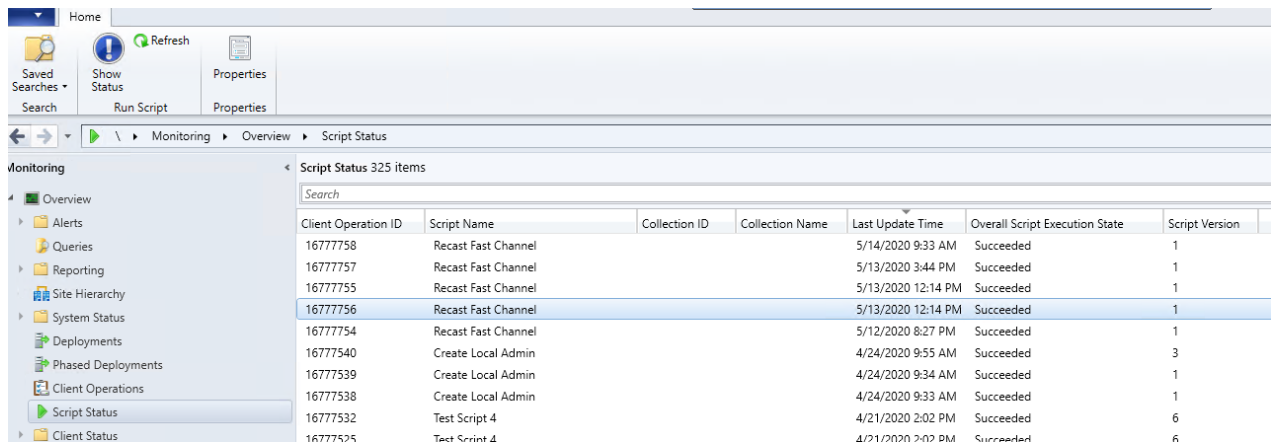
3. In the window that opens, select **Chart** and **Is Recast Fast Channel Capable**.



**NOTE:** If you're not seeing expected device displayed as **Is Recast Fast Channel Capable**, make sure any hardware inventory cycle has completed after installing an agent and that your scopes have been repopulated.

## Verify Actions Run Over Fast Channel

To verify that actions are running over the fast channel, you can check the **Script Status** in the **Monitoring** section. If you can see that the Fast Channel Script you added is running successfully, it's working correctly.



Client Operation ID	Script Name	Collection ID	Collection Name	Last Update Time	Overall Script Execution State	Script Version
16777758	Recast Fast Channel			5/14/2020 9:33 AM	Succeeded	1
16777757	Recast Fast Channel			5/13/2020 3:44 PM	Succeeded	1
16777755	Recast Fast Channel			5/13/2020 12:14 PM	Succeeded	1
16777756	Recast Fast Channel			5/13/2020 12:14 PM	Succeeded	1
16777754	Recast Fast Channel			5/12/2020 8:27 PM	Succeeded	1
16777540	Create Local Admin			4/24/2020 9:55 AM	Succeeded	3
16777539	Create Local Admin			4/24/2020 9:34 AM	Succeeded	1
16777538	Create Local Admin			4/24/2020 9:33 AM	Succeeded	1
16777532	Test Script 4			4/21/2020 2:02 PM	Succeeded	6
16777525	Test Script 4			4/21/2020 2:02 PM	Succeeded	6