

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.

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 .

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Create a Fast Channel Route

To create a Fast Channel route:

- 1. In your Recast Management Server, navigate to **Administration** > **Routes**.
- 2. On the Routes page, click Create.

Routes

Routes determine where an action will be sent for execution. Drag and drop the routes to reorder them. They are priority based-the first route to successfully match is chosen

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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 the **Limit to devices** option is enabled and select devices to include.

Notes on Limiting Rules:

- You must limit the Fast Channel route to a specific device set. Using the default 'All Scopes' setting will not work.
- Target devices must fall within the constraints of the Fast Channel route limiting rules.
- The Recast Management Server must be aware that the target device is within Fast Channel route limiting rules. The discovery sync keeps device and user data up-to-date in your Recast Management Server, but if a device was recently added to the limiting collection, you may wish to manually trigger data synchronization.

7. Select the Service Connection. For more information, see Service Connections.

8. 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. For details, see **Reorder Routes**.

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	Q	Start Date 2021/12/31		End Date 2022/01/08	Ċ	6
1/7/2022 1:40:58 PM	IIS APPPOOL/Recast Management Server	ConfigMgrServer	GetDevicesInSiteScope		00:00	0:05.7		F. PR	DXIES

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**.

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	and the second		Choose Columns to Chart	× .
			Virtual Machine Host Name	
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	Computer Name	Ip Add	WTG Unique Key	
	DEMO-MEMCM.demo.recastsoftware.com	192.1	Is Recast Fast Channel Capable	ERVER_DISCOVERY_AGENT", "SN
	DEMO-GATEWAY.demo.recastsoftware.com	192.1	Message	EM_DISCOVERY_AGENT", "MP_CI
	DEMO-RMS-PROD. demo.recastsoftware.com	192.1	Success	EM_DISCOVERY_AGENT*, *MP_CI
	WIN10-DEMO-1.demo.recastsoftware.com	192.1	Input Parameters	EM_DISCOVERY_AGENT", "MP_CI
	WIN10-DEMO-2 demo recastsoftware com	192.1		EM DISCOVERY AGENT". "MP CI

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.

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Monitoring Cript Status 325 items	
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Client Operation ID Script Name Collection ID Collection Name Last Update Time Overall Script Execution State	Script Version
Queries 16777758 Recast Fast Channel 5/14/2020 9:33 AM Succeeded	1
▶ Careporting 16777757 Recast Fast Channel 5/13/2020 3:44 PM Succeeded	1
Site Hierarchy 16777755 Recast Fast Channel 5/13/2020 12:14 PM Succeeded	1
System Status 16777756 Recast Fast Channel 5/13/2020 12:14 PM Succeeded	1
16777754 Recast Fast Channel 5/12/2020 8:27 PM Succeeded	1
Deployment 16777540 Create Local Admin 4/24/2020 9:55 AM Succeeded	3
Prase depuyments 16777539 Create Local Admin 4/24/2020 9:34 AM Succeeded	1
Client Operations 16777538 Create Local Admin 4/24/2020 9:33 AM Succeeded	1
Script Status 16777532 Test Script 4 4/21/2020 2:02 PM Succeeded	6
Client Status 16777525 Text Scrint 4 Δ/21/2020 242 PM Succeeded	6

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