

Installing Technical Preview 2101

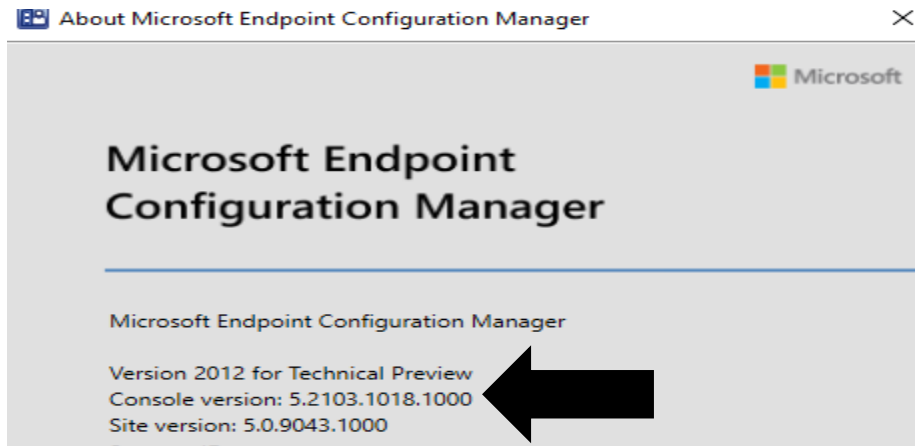
In this post, I will show you how to install TP2101 and explore new features. I am currently running TP2012. Will complete the upgrade from the console.

Below are the links to TP2101 documentation.

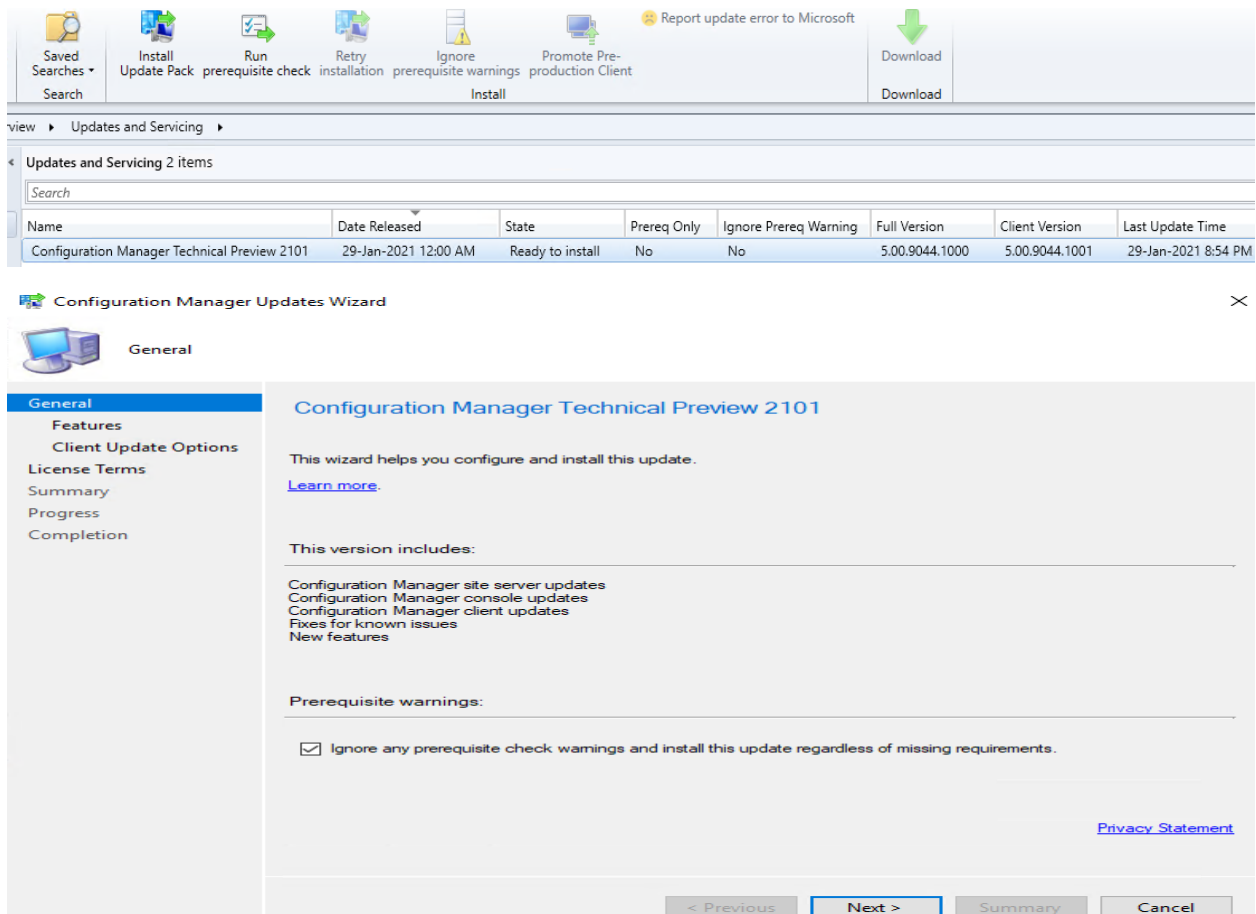
<https://docs.microsoft.com/en-us/mem/configmgr/core/get-started/2021/technical-preview-2101>

<https://techcommunity.microsoft.com/t5/configuration-manager-blog/manage-console-extensions-in-configuration-manager-technical/ba-p/2107443>

<https://go.microsoft.com/fwlink/?LinkID=2130011>



Just clicked check for updates and it is ready to install TP2101





Features

General

Features

Client Update Options

License Terms

Summary

Progress

Completion

Features included in update pack

This update pack includes the following features. Select the features you want to enable now. Features you don't enable now can be enabled later from the Updates and Servicing node of the Configuration Manager console.

- Device Health Attestation assessment for compliance policies for conditional access
- Windows Defender Exploit Guard policy
- Cloud management gateway with Azure VM scale set
- Microsoft Operations Management Suite (OMS) Connector
- Task Sequence Debugger
- Community hub
- Windows Hello for Business
- Task Sequence as an app model deployment type install method
- Application Groups
- PFX Create

Description:

< Previous

Next >

Summary

Cancel



Client Update Options

General

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Client Update Settings

This update includes an update for the Configuration Manager client. You can upgrade your clients immediately, or validate this client in a pre-production collection before you upgrade all your Configuration Manager clients.

Upgrade without validating

Overwrites your current Configuration Manager client package with the new client update. All new client installations and client upgrades use this new client update.

Validate in pre-production collection

Validate the client update on members of the pre-production collection while you keep your production client package intact. Later, you can overwrite the production package using Client Update Options in the Updates and Servicing node of the Configuration Manager console.

Pre-production collection:

Browse...

< Previous

Next >

Summary

Cancel



License Terms

- General
- Features
- Client Update Options
- License Terms**
- Summary
- Progress
- Completion

Review and accept the terms for this update pack

You must accept the License Terms and Privacy Statement to continue installation.

- [View the License Terms](#)
- [View the Privacy Statement](#)

I accept these License Terms and Privacy Statement.

You can add or update your Software Assurance expiration date. This date must be after 01-Oct-2016.

Software Assurance expiration date:

[Learn more](#)

- < Previous
- Next >**
- Summary
- Cancel



Summary

- General
- Features
- Client Update Options
- License Terms
- Summary**
- Progress
- Completion

Confirm the Settings

Details:

Summary of update package installation

Install Update Package Configuration Manager Technical Preview 2101
 Prerequisite warnings will be ignored
 Test new version of the client in production
 Software Assurance expiration date is 2021-05-01.

To change these settings, click Previous. To apply the settings, click Next.

- < Previous
- Next >**
- Summary
- Cancel



Completion

- General
- Features
- Client Update Options
- License Terms
- Summary
- Progress
- Completion



The Configuration Manager Updates Wizard completed successfully

Details:

Summary of update package installation

Success: Install Update Package Configuration Manager Technical Preview 2101
 Prerequisite warnings will be ignored
 Test new version of the client in production
 Software Assurance expiration date is 2021-05-01.

To exit the wizard, click Close.

< Previous
Next >
Summary
Close

Updates and Servicing 2 items

Name	Date Released	State	Prereq Only	Ignore Prereq Warning	Full Version	Client Version	Last Update Time
Configuration Manager Technical Preview 2101	29-Jan-2021 12:00 AM	Installing	No	Yes	5.00.9044.1000	5.00.9044.1001	29-Jan-2021 9:00 PM

Updates and Servicing 2 items

Name	Date Released	State	Prereq Only	Ignore Prereq Warning	Full Version	Client Version	Last Update Time
Configuration Manager Technical Preview 2101	29-Jan-2021 12:00 AM	Checking prerequisites	No	Yes	5.00.9044.1000	5.00.9044.1001	29-Jan-2021 9:03 PM

Updates and Servicing 2 items

Name	Date Released	State	Prereq Only	Ignore Prereq Warning	Full Version	Client Version	Last Update Time
Configuration Manager Technical Preview 2101	29-Jan-2021 12:00 AM	Installing	No	Yes	5.00.9044.1000	5.00.9044.1001	29-Jan-2021 9:20 PM

A new version of the console is available (5.2103.1040.1000). Working in the old console (5.2103.1018.1000) might corrupt data.

Configuration Manager

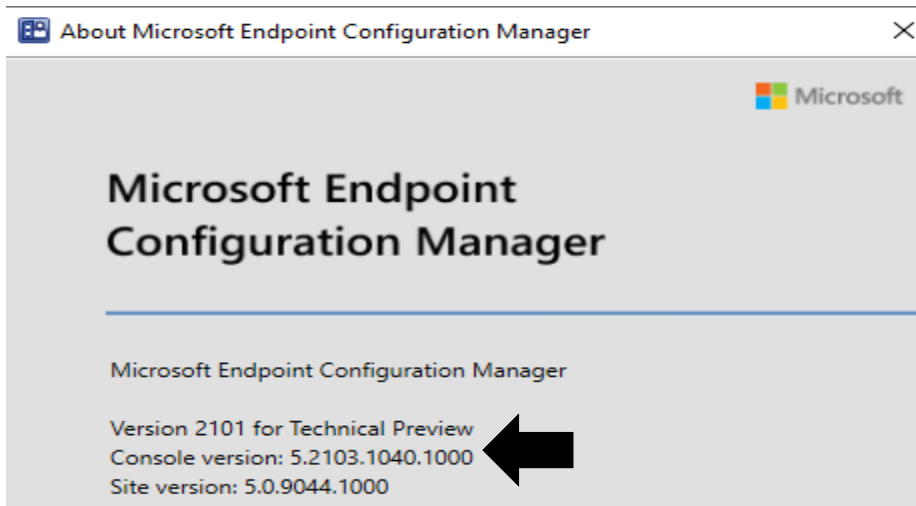
Downloading files...

Close

Microsoft Endpoint Configuration Manager Console

Please wait while Windows configures Microsoft Endpoint Configuration Manager Console

Cancel



Microsoft Endpoint Configuration Manager 2101 Tech Preview

Welcome to update 2101 for Configuration Manager Technical Preview. Below you can find information about some of the new features and scenarios that are now available for you to try. You can also view which of the new scenarios you have completed for each feature. [Read more](#) about the latest changes in the Technical Preview build.

Please continue to give us feedback! To report any issues you encounter with the latest functionality included in this Technical Preview, use the [Microsoft Connect](#) website. To request a new feature or enhancement, use the [Configuration Manager UserVoice](#) site.

What's New in 2101

Progress: 1

Client agent setting for supporting improved Software Center custom tab display

New client agent setting to opt-in installing Microsoft Edge WebView2 runtime on clients for improved Software Center custom tab display.

Deploy feature update with an in place upgrade task sequence

You can now upgrade operating systems using a feature update deployed as part of a task sequences.

Required application deployments visible in Microsoft Endpoint Manager admin center

Applications targeted to a device or a user with a required deadline will now show in the Applications view for a tenant attached device in Microsoft Endpoint Manager admin center.

Scenarios:

- Launch the admin center preview for a tenant attached device from the Devices node and select 'Applications'

Simplified CMPivot permissions requirement

CMPivot no longer requires 'SMS Scripts' read permission or default scope.

NEW FEATURES:

Client agent setting for supporting improved Software Center custom tab display - New client agent setting to opt-in installing Microsoft Edge WebView2 runtime on clients for improved Software Center custom tab display.

Default Settings



Specify settings that apply to all clients in the hierarchy, and can be modified by custom settings.

Specify the user portal settings.

Device Settings



Select the user portal:

Software Center

Select these new settings to specify company information

Yes

Software Center settings

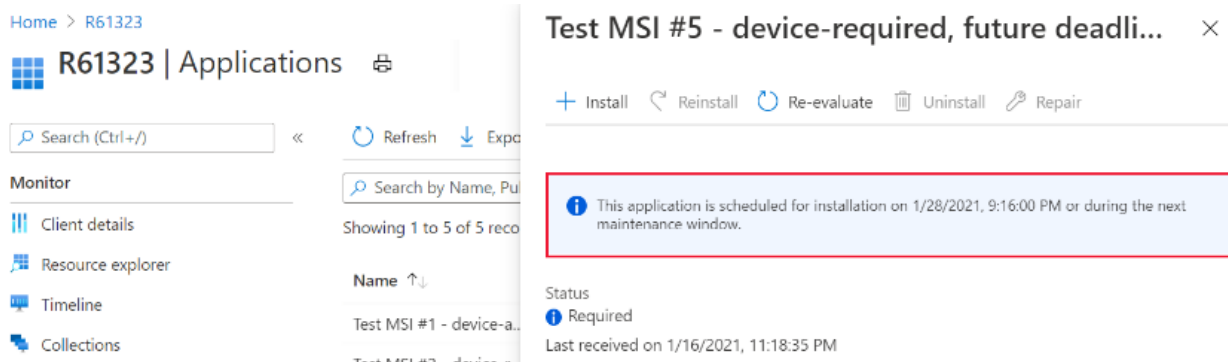


Customize

Deploy feature update with an in place upgrade task sequence - You can now upgrade operating systems using a feature update deployed as part of a task sequences. This integration combines the simplicity of Windows servicing with the flexibility of task sequences. Servicing uses a single ESD file that you synchronize through the software update point. This process simplifies the need to manually get, import, and maintain the Windows image content used with a standard task sequence to upgrade Windows. The size of the ESD file is generally smaller than the WIM image file.

Required application deployments visible in Microsoft Endpoint Manager admin center - Applications targeted to a device or a user with a required deadline will now show in the Applications view for a tenant attached device in Microsoft Endpoint Manager admin center.

This improvement allows you to review when application installations are expected to occur on a device. The An administrator must approve a request for this application on the device option is no longer required to be set on the device available deployment for applications to be listed in the admin center.



Simplified CMPivot permissions requirement - CMPivot no longer requires "SMS Scripts" read permission or default scope.

We've simplified the CMPivot permissions requirements. The following changes have been made:

- CMPivot no longer requires **SMS Scripts** read permission
 - The **administration service** still requires this permission when falling back to use the SMS Provider when a 503 (Service Unavailable) error is received, as seen in the CMPivot.log
- The **default scope** permission isn't required.

CMPivot permissions by Configuration Manager version

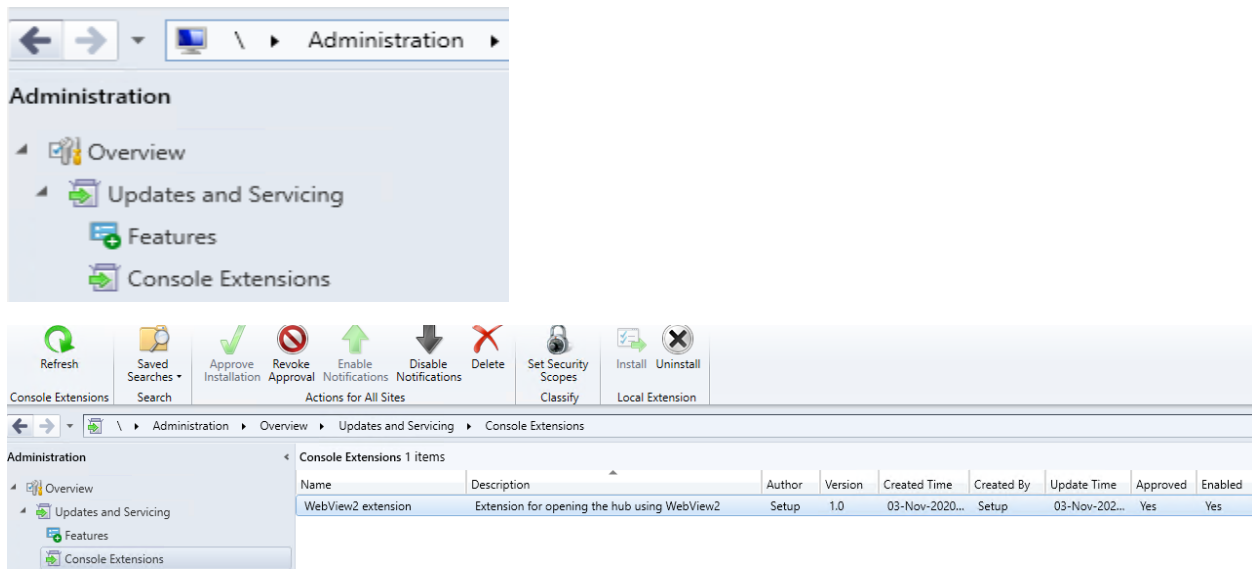
1902 and earlier	1906	2101 technical preview and later
Read permission on SMS Scripts	Read permission on SMS Scripts	N/A
Run Script permission on the Collection	Run CMPivot permission on the Collection	Run CMPivot permission on the Collection
Read permission on Inventory Reports	Read permission on Inventory Reports	Read permission on Inventory Reports
Default scope permission	Default scope permission	N/A

Note

The new permissions are only applicable for CMPivot in the on-premises console. Currently these new permissions won't work for CMPivot standalone. If you're using CMPivot standalone, you will still need the **SMS Scripts** read right and the **default scope**. Currently, the following limitations also apply:

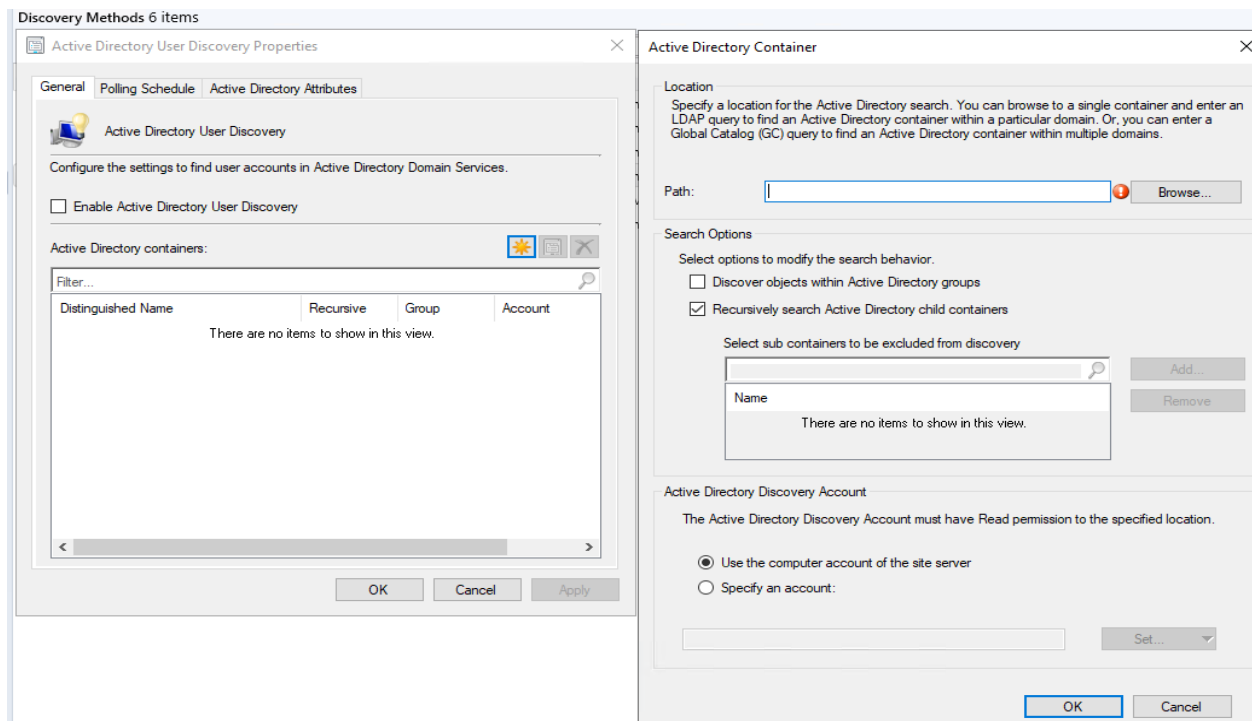
- CMPivot in the on-premises console requires **SMS Scripts** read right when viewing, saving, and deleting favorite queries.
- CMPivot in the on-premises console can't create a collection from the CMPivot results.

Console extension installation - A new node has been added to the Configuration Manager console. The Console Extensions node is located under Administration > Overview > Updates and Servicing. Console extensions downloaded from the community hub will be located here. Actions for console extensions are grouped in the ribbon and the right-click menu.



Allow exclusion of organizational units (OU) from Active Directory User Discovery - You can now exclude OUs from Active Directory User Discovery. To exclude an OU:

1. From the Configuration Manager console, go to **Administration > Hierarchy Configuration > Discovery Methods**.
2. Select **Active Directory User Discovery** then select **Properties** from the ribbon.
3. On the **General** tab of the Active Directory User Discovery Properties window, select the **New** icon to specify a new Active Directory container or **Edit** to change an existing one.
4. In the **Active Directory Container** dialog box, locate the search option named **Select sub containers to be excluded from discovery**.
5. Select **Add** to add an exclusion or **Remove** to remove an existing exclusion.
6. Select **OK** to save the Active Directory container configuration.



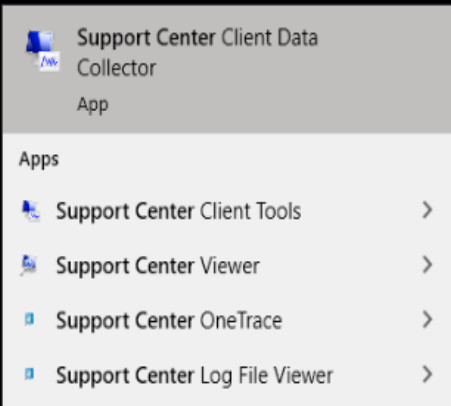
Changes to Support Center - Support Center is now split into the following tools:

- **Support Center Client Data Collector:** Collects data from a device to view in the Support Center Viewer. This separate tool encompasses the existing Support Center action to **Collect selected data**.
- **Support Center Client Tools:** The other Support Center troubleshooting functionality, except for **Collect selected data**.

The following tools are still a part of Support Center:

- **Support Center Viewer**
- **Support Center OneTrace**
- **Support Center Log File Viewer**

The Start menu group for Support Center now includes these five tools. There are no other changes to these tools in this release.



Prerequisite rule for deprecated Azure Monitor connector - We continue to see broad adoption of native Azure Monitor log query groups as customers shift more of their workloads to the cloud. Because of this reason, starting in November 2020, the Configuration Manager feature to synchronize collections to Azure Monitor is deprecated.

When you update to this release, a new prerequisite check warns about the presence of the Log Analytics connector for Azure Monitor. (This feature is called the OMS Connector in the Azure Services wizard.) This connector is deprecated, and will be removed from the product in a future release. At that time, this check will be an error that blocks upgrade.

Manage aged distribution point messages - In some environments, a small number of error status messages for a distribution point can cause the entire server status to show an error state. This behavior could be due to a known issue when failing to distribute content. To help you better manage the state of distribution points, this release includes the following improvements:

- Delete a specific distribution point status message. Go to the **Monitoring** workspace, expand **Distribution Status**, and select **Distribution Point Configuration Status**. Select a server, and switch to the **Details** tab in the bottom pane. Select a message, and then in the ribbon, select **Delete**.
- Delete aged status messages for a specific distribution point. In the same **Distribution Point Configuration Status** node, select a server. In the ribbon, select **Delete Aged Status Messages**. Then choose a timeframe for messages to delete: older than 30 days, older than 90 days, older than one year.
- Configure a site maintenance task to **Delete Aged Distribution Point Messages**. For more general information on tasks, see **Maintenance tasks**.

Encryption algorithm to capture and restore user state - The task sequence steps to Capture User State and Restore User State always encrypt the USMT state store. Previously, Configuration Manager configured USMT to use the 3DES algorithm. Starting in this release, both steps now use the highest supported encryption algorithm, AES 256.

If you have any active user state migrations, before you update the Configuration Manager client on those devices, restore the user state. Otherwise, the updated client will fail to restore the user state when it tries to use a different encryption algorithm. If necessary, you can manually restore the user state and explicitly use the USMT parameter `/decrypt:3DES`.

PowerShell release notes preview - These release notes summarize changes to the Configuration Manager PowerShell cmdlets in technical preview version 2101.

Cmdlets that don't support PowerShell version 7

While Configuration Manager cmdlets provide general [support for PowerShell version 7](#), the following cmdlets don't support PowerShell 7:

- `Import-CMPackage`
- `Import-CMDriverPackage`
- `Import-CMTaskSequence`
- `Export-CMPackage`
- `Export-CMDriverPackage`
- `Export-CMTaskSequence`

New cmdlets

Get-CMApplicationGroup

Use this cmdlet to get an application group.

PowerShell

 Copy

```
Get-CMApplicationGroup -Name 'Central app'
```

New-CMApplicationGroup

Use this cmdlet to create a new application group.

PowerShell

 Copy

```
$apps = @('LOB Framework', 'CA UI')
```

```
New-CMApplicationGroup -Name 'Central app' -AddApplication $apps -Description 'Central app group' -Publisher 'Contoso IT'
```

Publish-CMThirdPartySoftwareUpdateContent

Use this cmdlet to publish third-party update content.

PowerShell

 Copy

```
Get-CMSoftwareUpdate -Name "third-party update" | Publish-CMThirdPartySoftwareUpdateContent  
Publish-CMThirdPartySoftwareUpdateContent -Name "third-party update1"  
Publish-CMThirdPartySoftwareUpdateContent -CIId 16778432 -Force
```

Remove-CMApplicationGroup

Use this cmdlet to remove a specific application group.

PowerShell

Copy

```
Remove-CMApplicationGroup -Id 16778064 -Force
Remove-CMApplicationGroup -Name "test" -Force
Remove-CMApplicationGroup -InputObject $app -Force
```

Set-CMApplicationGroup

Use this cmdlet to configure a specific application group.

PowerShell

Copy

```
$result = Get-CMApplicationGroup -Name "appGroup1"
Set-CMApplicationGroup -Id 16779247 -Description "setById" -PassThru
Set-CMApplicationGroup -Name "appGroupNew" -Description "setByName" -PassThru
Set-CMApplicationGroup -ModelName $modelName -Description "setByModelName" -PassThru
Set-CMApplicationGroup -InputObject $result -Description "setByInput" -RemoveApplication $removeApp -PassThru
$result | Set-CMApplicationGroup -Description "setByPipeline" -AddApplication $removeApp -PassThru
```

Modified Cmdlets

Copy-CMCollection

Non-breaking changes

Fixed validation with **NewName** parameter to align with console.

Get-CMDriver

Non-breaking changes

Add ability to filter by parameter **AdministrativeCategory**.

PowerShell

Copy

```
$category1 = Get-CMCategory -CategoryType DriverCategories -Name 'OEM 1'
$category2 = Get-CMCategory -CategoryType DriverCategories -Name 'OEM 2'
$categories = $category1,$category2

Get-CMDriver -AdministrativeCategory $categories
```

New-CMCollection

Non-breaking changes

Fixed validation with **Name** parameter to align with console.

Set-CMClientPushInstallation

Non-breaking changes

Add parameter **AllowNtLmFallback** to enable NTLM fallback.

Set-CMCollection

Non-breaking changes

Fixed validation with **NewItem** parameter to align with console.

Set-CMThirdPartyUpdateCategory

Non-breaking changes

Fixed an issue with the **PublishOption** parameter set to `FullContent`.

Set-CMThirdPartyUpdateCatalog

Non-breaking changes

Add parameters **CategoryNamePublishOption** and **CategoryIdPublishOption**. Use these parameters to set the category publish option when you subscribe to a v3 catalog.

PowerShell	Copy
<pre>\$id = "5768207d-6c40-465b-ad65-50501661368f" \$option = [Microsoft.ConfigurationManagement.Cmdlets.Sum.Commands.PublishOptionType]::MetadataOnly \$idOptionPair = @{\$id = \$option} Set-CMThirdPartyUpdateCatalog -CatalogName 'pmp' -CategoryIdPublishOption \$idOptionPair -Subscribe -Force</pre>	
PowerShell	Copy
<pre>\$name = "2BrightSparks" \$name1 = "8x8, Inc." \$option = [Microsoft.ConfigurationManagement.Cmdlets.Sum.Commands.PublishOptionType]::MetadataOnly \$nameOptionPair = @{\$name = \$option; \$name1 = \$option} Set-CMThirdPartyUpdateCatalog -CatalogName pmp -CategoryNamePublishOption \$nameOptionPair -Subscribe -Force</pre>	

This concludes all the new features of TP2101

Thanks

Ram Lan

30th Jan 2021