

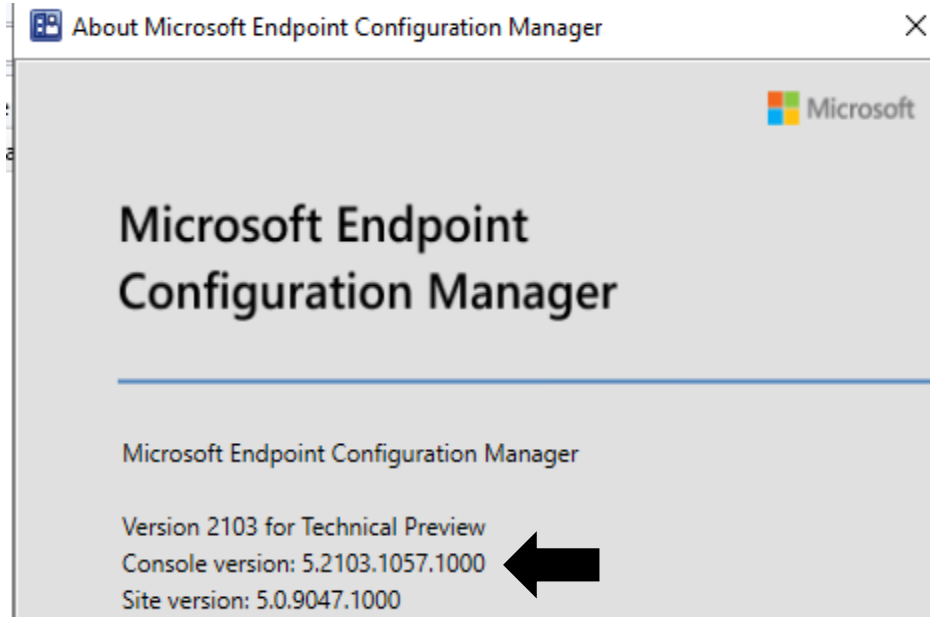
Installing Technical Preview 2104

In this post, I will show you how to install / upgrade Technical Preview and explore new features. I am currently running TP2103. Will complete the upgrade from the console.

Below are the links to TP2104 documentation.

https://docs.microsoft.com/en-us/mem/configmgr/core/get-started/2021/technical-preview-2104?WT.mc_id=EM-MVP-5003637#bkmk_keyboard

<https://techcommunity.microsoft.com/t5/configuration-manager-blog/access-bitlocker-recovery-keys-from-mem-admin-center-with/ba-p/2282893?lrs=744f4642-eb44-422d-a12a-9998218c0c5e>



Just clicked check for updates and it is ready to download / install TP2104

Overview > Updates and Servicing >

< Updates and Servicing 2 items

Search

Name	Date Released	State	Prereq Only	Ignore Prereq Warning	Full Version	Client Version	Last Update Time
Configuration Manager Technical Preview 2104	21-Apr-2021 12:00 AM	Downloading	No	No	5.00.9050.1000	5.00.9050.1000	26-Apr-2021 8:29 AM

Icons: Saved Searches, Install Update Pack, Run prerequisite check, Retry installation, Ignore prerequisite warnings, Promote Pre-production Client, Report update error to Microsoft, Download

w > Updates and Servicing >

Updates and Servicing 2 items

Search

Name	Date Released	State	Prereq Only	Ignore Prereq Warning	Full Version	Client Version	Li
Configuration Manager Technical Preview 2104	21-Apr-2021 12:00 AM	Ready to install	No	No	5.00.9050.1000	5.00.9050.1000	2



General

- General
- Features
- Client update options
- License Terms
- Summary
- Progress
- Completion

Configuration Manager Technical Preview 2104

This wizard helps you configure and install this update.

[Learn more.](#)

This version includes:

- Configuration Manager site server updates
- Configuration Manager console updates
- Configuration Manager client updates
- Fixes for known issues
- New features

Prerequisite warnings:

- Ignore any prerequisite check warnings and install this update regardless of missing requirements.

[Privacy Statement](#)

< Previous **Next >** Summary Cancel



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
- Remove Central Administration Site
- 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

Description:

Empty text box for description

< Previous **Next >** Summary Cancel



Client update options

General

Features

Client update options

License Terms

Summary

Progress

Completion

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:



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:

01-Oct -2021

[Learn more](#)



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 2104
Prerequisite warnings will be ignored
Test new version of the client in production
Software Assurance expiration date is 2021-10-01.

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 task "Configuration Manager Updates Wizard" completed successfully

Details:

Summary of update package installation


✔ Success: Install Update Package Configuration Manager Technical Preview 2104
Prerequisite warnings will be ignored
Test new version of the client in production
Software Assurance expiration date is 2021-10-01.

To exit the wizard, click Close.

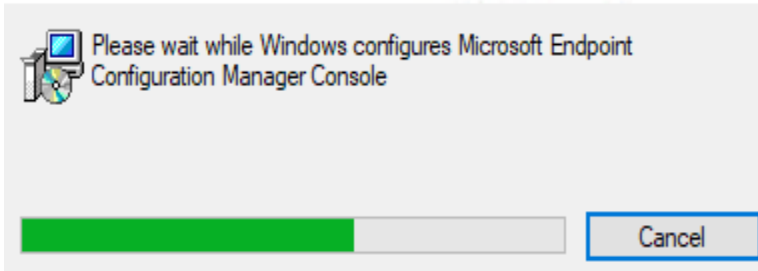
< Previous Next > Summary **Close**

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 2104	21-Apr-2021 12:00 AM	Installing	No	Yes	5.00.9050.1000	5.00.9050.1000	26-Apr-2021 12:01 PM

 A new version of the console is available (5.2107.1013.1000). Working in the old console (5.2103.1057.1000) might corrupt data.

Microsoft Endpoint Configuration Manager Console



Name	Date Released	State	Prereq Only	Ignore Prereq Warning	Full Version	Client Version	Last Update Time
Configuration Manager Technical Preview 2104	21-Apr-2021 12:00 AM	Installed	No	Yes	5.00.9050.1000	5.00.9050.1000	26-Apr-2021 1:01 PM

Microsoft Endpoint Configuration Manager 2104 Tech Preview

Welcome to update 2104 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, file [product feedback](#) in the console.

What's New in 2104

Progress: 2

Improvements to Support Center

Starting in this release the Content view in the Support Center Client Tools has been renamed to Deployments. There you can view all of the currently targeted deployments. The new view is grouped by Category and Status and can be sorted and filtered to help you find the deployments you are interested in. Select a deployment in the results pane to view more information in the details pane.

Support layered keyboard driver during OS deployment

This release adds support for layered keyboard drivers during OS deployment. This driver specifies other types of keyboards that are common with Japanese and Korean languages.

Tenant Attach Offboarding

While we know customers get enormous value by enabling tenant attach there are rare cases where a customer would need to offboard their hierarchy from tenant attach. Follow the steps below to remove your Configuration Manager hierarchy from the Microsoft Endpoint Manager cloud console. 1. Navigate to <https://aka.ms/taoffboard>. 2. Select tenant administration. 3. Select connectors and tokens. 4. Select "Microsoft Endpoint Configuration Manager (Preview)". 5. Select the name of the site you would like to offboard.

Microsoft Endpoint Configuration Manager 2104 Tech Preview

Tenant Attach: BitLocker recovery keys

You can now retrieve BitLocker recovery keys for a tenant attached device from the admin center.

Scenarios:

- From the 'Devices' node in the Configuration Manager console, right-click a tenant attached client then select 'Admin Center Preview'. From the admin center preview, select 'Recovery key' to display the key

Tenant Attach: Historical inventory data in resource explorer

Resource explorer now displays a historical view of the device inventory in the Microsoft Endpoint Manager admin center.

Scenarios:

- From the 'Devices' node, right-click a tenant attached client then select 'Admin Center Preview'. From the admin center preview, select 'Resource explorer'. Select a class and a custom date in the date time picker to get historical inventory data



Configure settings that control how clients automatically upgrade.

Production client version: 5.00.9050.1000
Last modified: 26-Apr-2021 1:14:14 PM



Upgrade all clients in the hierarchy using production client

Do not upgrade servers

Automatically upgrade clients within days:

Pre-production client version: 5.00.9050.1000
Last modified: 26-Apr-2021 1:13:07 PM

Upgrade all clients in the pre-production collection automatically using pre-production client

Pre-production collection :

Browse...

You can promote the pre-production client from Monitoring > Client Status > Pre-production Client Deployment.

Exclude specified clients from upgrade

Exclusion collection :

Browse...

These clients will not be upgraded by automatic upgrade or software-based upgrade

Client deployment status can be monitored in console and using reports.



Applied to Windows operating systems only. You can download clients for additional operating systems from the [Microsoft Download Center](#).

Automatically distribute client installation package to distribution points that are enabled for prestaged content

OK

Cancel

Apply

Technical Preview - North America Properties

Deployment Verification Security Signing and Encryption Service Windows
General Wake On LAN Ports Sender Publishing Communication Security Alerts

TP1 - Technical Preview - North America

Comment:

Type: Primary site

Parent site: None

Version: 5.00.9050.1000

Build number: 9050

Site server: TP1.RAMLAN.CA

Installation directory: C:\Program Files\Microsoft Configuration Manager

SQL Server computer: TP1.RAMLAN.CA

SMS Provider location:

OK Cancel Apply

About Microsoft Endpoint Configuration Manager

Microsoft

Microsoft Endpoint Configuration Manager

Microsoft Endpoint Configuration Manager

Version 2104 for Technical Preview

Console version: 5.2107.1013.1000

Site version: 5.0.9050.1000

NEW FEATURES:

Improvements to Support Center - Starting in this technical preview, the Content view in the Support Center Client Tools has been renamed to Deployments. From Deployments, you can review all of the deployments currently targeted to the device. The new view is grouped by Category and Status. The view can be sorted and filtered to help you find the deployments you're interested in. Select a deployment in the results pane to display more information in the details pane.

Support layered keyboard driver during OS deployment - This release adds support for layered keyboard drivers during OS deployment. This driver specifies other types of keyboards that are common with Japanese and Korean languages.

Try it out!

Try to complete the tasks. Then send [Feedback](#) with your thoughts on the feature.

1. [Create a task sequence](#) to install an OS image.
2. [Edit the task sequence](#).
3. On the **Apply OS Image** step, in the section to **Select layered driver if applicable**, choose one of the following options:
 - **Do not specify** (0): This option is the default, which doesn't configure the LayeredDriver setting in the unattend.xml. This behavior is consistent with previous versions of Configuration Manager.
 - **PC/AT Enhanced keyboard (101/102-key)** (1)
 - **Korean PC/AT 101-Key Compatible keyboard or the Microsoft Natural keyboard (type 1)** (2)
 - **Korean PC/AT 101-Key Compatible keyboard or the Microsoft Natural keyboard (type 2)** (3)
 - **Korean PC/AT 101-Key Compatible keyboard or the Microsoft Natural keyboard (type 3)** (4)
 - **Korean keyboard (103/106-key)** (5)
 - **Japanese keyboard (106/109-key)** (6)
4. [Deploy the task sequence](#).

You can also use the new `OsdLayeredDriver` task sequence variable. Use the integer values noted after each option to configure this variable. The `smsts.log` file displays the integer value for this setting when the task sequence runs.

Tenant Attach Offboarding - While we know customers get enormous value by enabling tenant attach there are rare cases where a customer would need to offboard their hierarchy from tenant attach. Follow the steps below to remove your Configuration Manager hierarchy from the Microsoft Endpoint Manager cloud console. 1. Navigate to <https://aka.ms/taoffboard> 2. Select tenant administration. 3. Select connectors and tokens. 4. Select "Microsoft Endpoint Configuration Manager (Preview)" 5. Select the name of the site you would like to offboard.

Tenant Attach: BitLocker recovery keys - You can now retrieve BitLocker recovery keys for a tenant attached device from the admin center.

Since this feature is still in preview, you need to access it from the Admin center preview option from the Configuration Manager console of the technical preview branch.

Prerequisites for BitLocker recovery keys with tenant attach

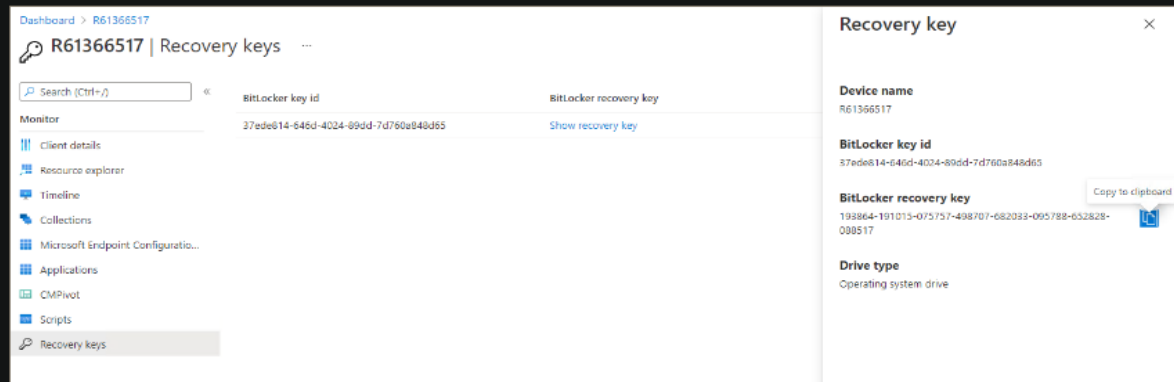
The administrative user needs the following permissions:

- On the **Collection** object that's scoped to a collection that includes the device:
 - **Read**
 - **Read BitLocker Recovery Key**
- An **Intune role** assigned to the user

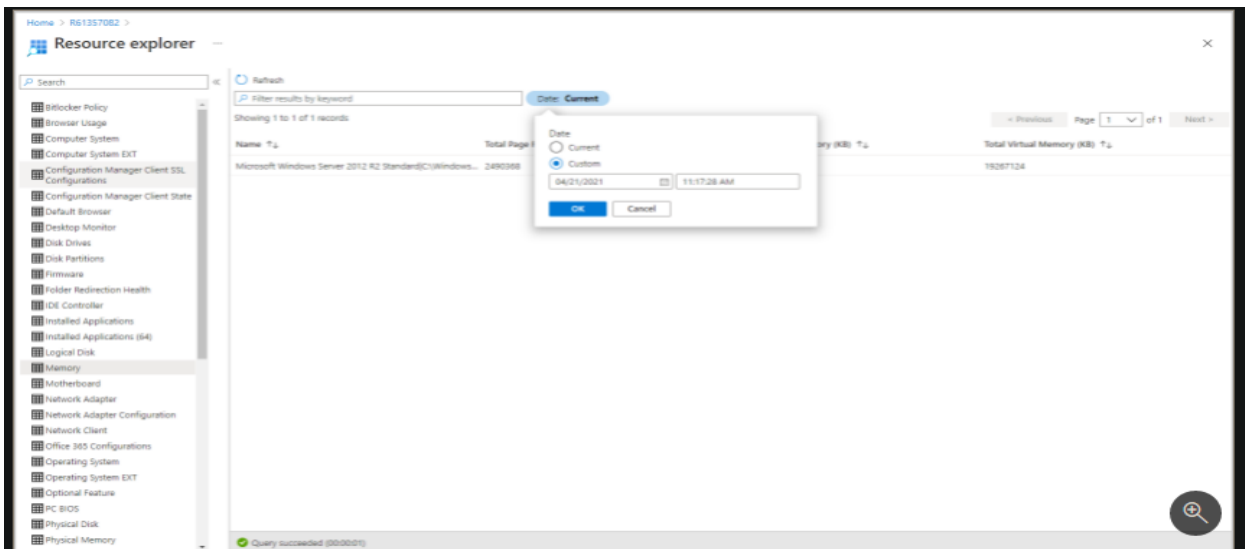
Try it out!

Try to complete the tasks. Then send [Feedback](#) with your thoughts on the feature.

1. In the Configuration Manager console, go to the **Assets and Compliance** workspace, and select the **Devices** node.
2. Select a device. In the **Device** group on the ribbon, select **Start**, and then select **Admin center preview**. This action opens the preview version of the Microsoft Endpoint Manager admin center in the default browser.
3. In the admin center preview, select **Recovery keys** in the device menu. You'll see the list of encrypted drives on the device.
4. To display a recovery key for a drive, select **Show recovery key**. This action discloses the recovery key, which causes the device to rotate its recovery key. Select **Yes** to continue and view the key.
5. A pane to the right displays the device information, including the BitLocker recovery key. Select the copy icon to copy the key to the clipboard. This action makes it easier to share with a user.



Tenant Attach: Historical inventory data in resource explorer - Resource explorer now displays a historical view of the device inventory in the Microsoft Endpoint Manager admin center.

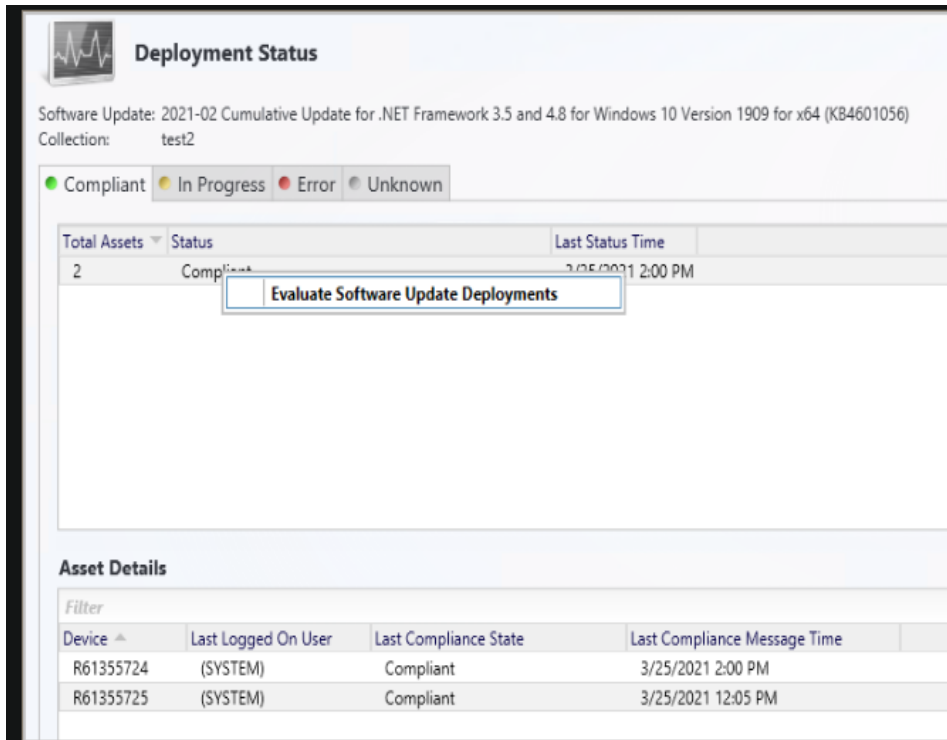


Try it out!

Try to complete the tasks. Then send [Feedback](#) with your thoughts on the feature.

1. In the Configuration Manager console, go to the **Assets and Compliance** workspace, and select the **Devices** node.
2. Select a device. In the **Device** group on the ribbon, select **Start**, and then select **Admin center preview**. This action opens the preview version of the Microsoft Endpoint Manager admin center in the default browser.
3. From the admin center preview, select **Resource explorer**.
4. Select a class, then enter a custom in the date time picker to get historical inventory data.

Run software updates evaluation from deployment status - You can now right-click and notify devices to run a software updates evaluation cycle from the software update deployment status. You can target a single device under the Asset Details pane or select a group of devices based on their deployment status.



Deployment Status

Software Update: 2021-02 Cumulative Update for .NET Framework 3.5 and 4.8 for Windows 10 Version 1909 for x64 (KB4601056)
Collection: test2

Compliant In Progress Error Unknown

Total Assets	Status	Last Status Time
2	Compliant	3/25/2021 2:00 PM

Evaluate Software Update Deployments

Asset Details

Filter

Device	Last Logged On User	Last Compliance State	Last Compliance Message Time
R61355724	(SYSTEM)	Compliant	3/25/2021 2:00 PM
R61355725	(SYSTEM)	Compliant	3/25/2021 12:05 PM

Try it out!

Try to complete the tasks. Then send [Feedback](#) with your thoughts on the feature.

1. In the Configuration Manager console, navigate to **Monitoring > Overview > Deployments**.
2. Select the software update group or software update for which you want to monitor the deployment status.
3. On the Home tab, in the Deployment group, select **View Status**.
4. Right-click on either a specific deployment status for the devices, or on a single device under **Asset Details** pane.
5. Select **Evaluate Software Update Deployments** to send a notification to the selected devices to run an evaluation cycle for software update deployments.

Improvements to CMTrace - This release includes multiple performance improvements to the CMTrace log viewer. Configuration Manager automatically installs this tool in the following locations:

The site server's tools directory. For example: cd.latest\SMSSETUP\Tools\CMTrace.exe

The Management point's installation directory. For example: C:\SMS_CCM\CMTrace.exe

The client installation directory. For example: C:\Windows\CCM\CMTrace.exe

OS deployment boot images. For example: X:\sms\bin\x64\CMTrace.exe

If you have a copy of CMTrace in another location, consider removing it and using a copy in one of the default paths. If it's in a custom location that meets your business requirements, then make sure you have a process to keep it up to date. If your custom location might be of benefit to other customers, file product feedback.

PowerShell release notes preview - These release notes summarize changes to the Configuration Manager PowerShell cmdlets in technical preview version 2104.

Get-CMApplicationGroup

Bugs that were fixed

Fixed an issue to get the correct app group path.

Import-CMQuery

Bugs that were fixed

Fixed an issue to unblock the import function.

New-CMSoftwareUpdateDeployment

Non-breaking changes

Added `Description` alias to `Comment` parameter.

Set-CMTSStepUpgradeOperatingSystem

Non-breaking changes

Added new parameter `SoftwareUpdate` to specify a feature update for the `Upgrade OS` task sequence step.

Remove-CMApplicationGroup

Bugs that were fixed

Fixed an issue to get the correct app group path when using the pipeline.

Set-CMClientSetting

Non-breaking changes

Added a meaningful deprecation message for the `SoftwareMetering` parameter.

Set-CMMsiDeploymentType

Bugs that were fixed

Update the deployment type according to the installer type to avoid resetting the configurations when you change the content location.

Non-breaking changes

Add support for specifying a folder path to the `ContentLocation` parameter.

This concludes all the new features of TP2104.

Thanks

Ram Lan

24th April 2021