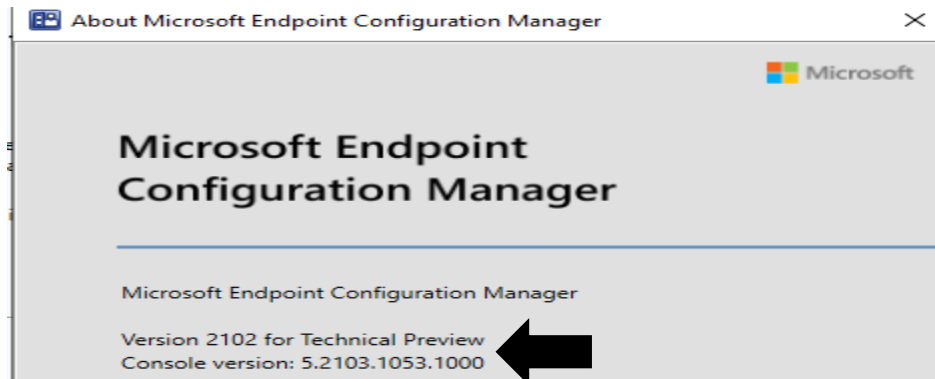# Installing Technical Preview 2103

In this post, I will show you how to install / upgrade Technical Preview and explore new features. I am currently running TP2102. Will complete the upgrade from the console.
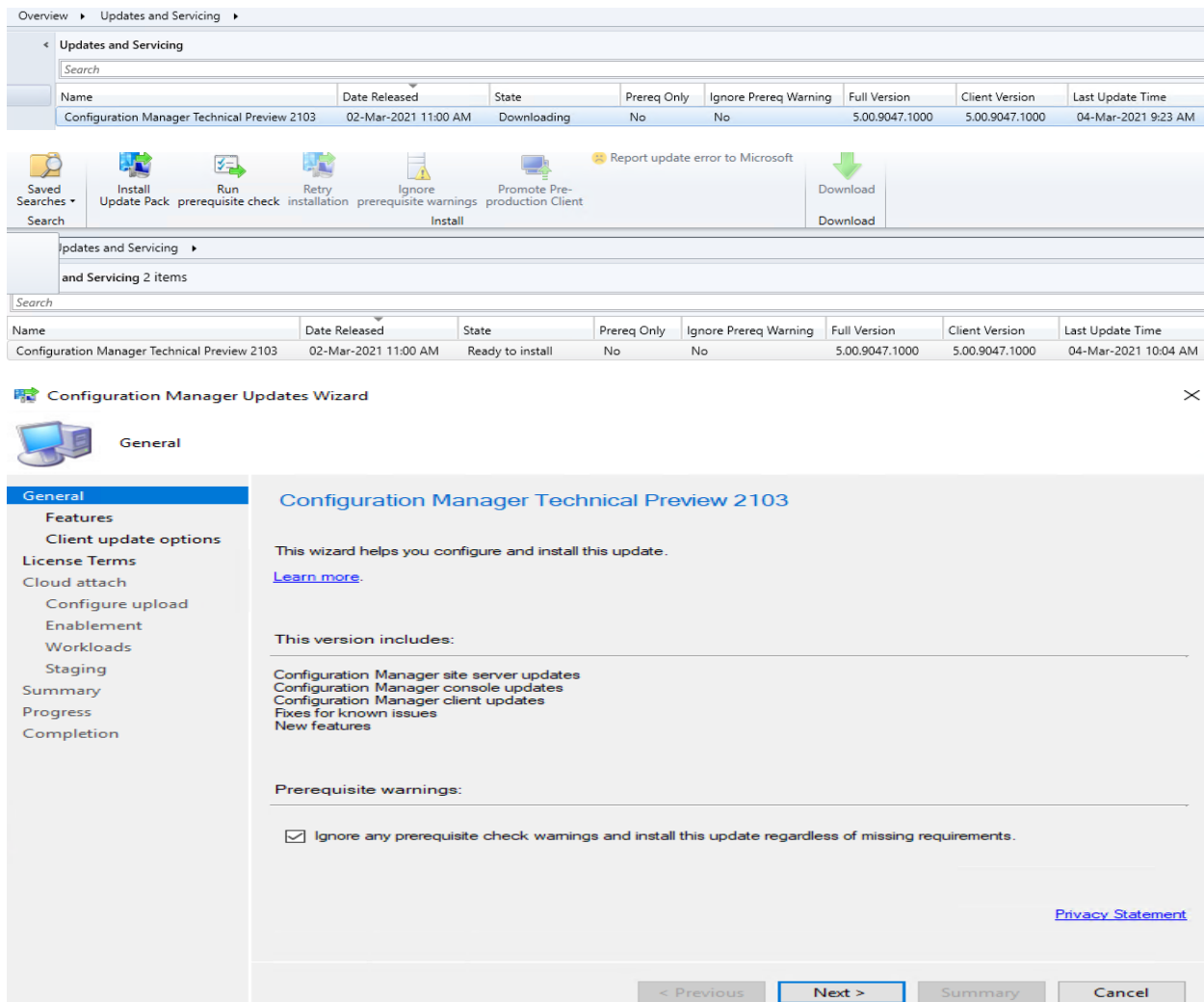
Below are the links to TP2103 documentation.

https://docs.microsoft.com/en-us/mem/configmgr/core/get-started/2021/technical-preview-2103

https://techcommunity.microsoft.com/t5/configuration-manager-blog/download-baselines-from-community-hub-in-configuration-manager/ba-p/2183026#.YEBtS0phF9E.twitter

Just clicked check for updates and it is ready to download / install TP2103

Configuration Manager Updates Wizard

Features

General
- Features
- Client update options
- License Terms
- Cloud attach
  - Configure upload
  - Enablement
  - Workloads
  - Staging
- 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:

< Previous | Next > | Summary | Cancel

Configuration Manager Updates Wizard

Client update options

General
- Features
- Client update options
- License Terms
- Cloud attach
  - Configure upload
  - Enablement
  - Workloads
  - Staging
- 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:

[   ] Browse...

< Previous | Next > | Summary | Cancel

Configuration Manager Updates Wizard

License Terms

- General
  - Features
  - Client update options
- **License Terms**
- Cloud attach
  - Configure upload
  - Enablement
  - Workloads
  - Staging
- 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-May-2021

Learn more

< Previous   Next >   Summary   Cancel

Configuration Manager Updates Wizard

Cloud attach

- General
  - Features
  - Client update options
- License Terms
- **Cloud attach**
  - Configure upload
  - Enablement
  - Workloads
  - Staging
- Summary
- Progress
- Completion

Cloud attach settings

Azure environment: AzurePublicCloud

Sign into Microsoft Endpoint Manager with your Microsoft organizational account   Sign In ⬤

If you do not have a Microsoft Intune subscription, you can subscribe here.

☑ Enable Microsoft Endpoint Manager admin center

☐ Optionally import a separate web app to synchronize Configuration Manager client data to Microsoft Endpoint Manager admin center

Import

☑ Enable automatic client enrollment for co-management

Read the Microsoft Intune privacy statement online.

Read the Configuration Manager privacy statement online.

< Previous   Next >   Summary   Cancel

Configuration Manager   ✕

❌ To continue, click Sign In and type your Microsoft Intune
   organizational account.

                                              [OK]

🖥️ Configuration Manager Updates Wizard   ✕

Cloud attach

General	
Features	
Client update options	
License Terms	
Cloud attach	
Configure upload	
Enablement	
Workloads	
Staging	
Summary	
Progress	
Completion	

Cloud attach settings

Azure environment: AzurePublicCloud ▾

Sign into Microsoft Endpoint Manager with your Microsoft organizational account   [Sign In]

If you do not have a Microsoft Intune subscription, you can subscribe here.

☑ Enable Microsoft Endpoint Manager admin center

   ☐ Optionally import a separate web app to synchronize Configuration Manager
      client data to Microsoft Endpoint Manager admin center

[   ]   [Import]

☑ Enable automatic client enrollment for co-management
Read the Microsoft Intune privacy statement online.
Read the Configuration Manager privacy statement online.

[< Previous] [Next >] [Summary] [Cancel]

Create AAD application   ✕

⚠️ This action will register an application in the AAD tenant
   RAMLAN to authorize the synchronization of data to Intune.
   Do you want to continue?

              [Yes]   [No]

Configuration Manager Updates Wizard ✕

Configure upload

General
    Features
    Client update options
License Terms
Cloud attach
    Configure upload
    Enablement
    Workloads
    Staging
Summary
Progress
Completion

Configure upload to Microsoft Endpoint Manager admin center

Devices

Select which devices to upload to Microsoft Endpoint Manager

(●) All devices managed by Microsoft Endpoint Configuration Manager (recommended)

( ) Specific collection

    Collection: [_____] [Browse...]

Learn more

Endpoint Analytics

[✓] Enable Endpoint Analytics for devices uploaded to Microsoft Endpoint Manager

Learn more

[< Previous] [Next >] [Summary] [Cancel]

Configuration Manager Updates Wizard ✕

Enablement

General
    Features
    Client update options
License Terms
Cloud attach
    Configure upload
    Enablement
    Workloads
    Staging
Summary
Progress
Completion

Enable co-management

To enable co-management for devices managed by Configuration Manager, configure automatic enrollment in Microsoft Intune.

Learn more

Automatic enrollment in Intune   (●) All
                                          ( ) Pilot
                                          ( ) None

Intune auto enrollment

[_____] [Browse...]

To enable co-management for devices already enrolled in Intune, create an app in Intune to install the Configuration Manager client. Copy the following command line.

Learn more

⚠ Please ensure the proper prerequisites are installed.

[< Previous] [Next >] [Summary] [Cancel]

Configuration Manager Updates Wizard ✕

Workloads

General
  Features
  Client update options
License Terms
Cloud attach
  Configure upload
  Enablement
  Workloads
  Staging
Summary
Progress
Completion

Configure workloads

For Windows 10 devices that are in a co-management state, you can have Microsoft Intune start managing different workloads. Choose Pilot Intune to have Intune manage the workloads for only clients in the Pilot group (specified later in this wizard). If you are not ready to move workloads to Intune, select Configuration Manager.

Learn more

	Configuration Manager	Pilot Intune	Intune
Compliance policies:			
Device configuration:			
Endpoint Protection:			
Resource access policies:			
Client apps:			
Office Click-to-Run apps:			

[< Previous] [Next >] [Summary] [Cancel]

Configuration Manager Updates Wizard ✕

Staging

General
  Features
  Client update options
License Terms
Cloud attach
  Configure upload
  Enablement
  Workloads
  Staging
Summary
Progress
Completion

Configure roll out collections

Pilot
When you configure a workload for Pilot Intune, select a device collection to be the pilot group.

Learn more

Compliance policies: [   ] [Browse...]

Device configuration: [   ] [Browse...]

Endpoint Protection: [   ] [Browse...]

Resource access policies: [   ] [Browse...]

Client apps: [   ] [Browse...]

Office Click-to-Run apps: [   ] [Browse...]

Windows Update policies: [   ] [Browse...]

[< Previous] [Next >] [Summary] [Cancel]

Configuration Manager Updates Wizard ✕

🖥 Summary

General
   Features
   Client update options
License Terms
Cloud attach
   Configure upload
   Enablement
   Workloads
   Staging
Summary
Progress
Completion

Confirm the settings

Details:

Summary of update package installation

Install Update Package Configuration Manager Technical Preview 2103
Prerequisite warnings will be ignored
Test new version of the client in production
Software Assurance expiration date is 2021-05-01.

Cloud attach
- Azure environment: AzurePublicCloud
- Enable Microsoft Endpoint Manager admin center: True

Data Upload
- Collection to upload: All devices

Enablement
- Devices to auto-enroll into Microsoft Intune: Configuration Manager

Workloads Configuration
- Compliance policies: Configuration Manager
- Device configuration: Configuration Manager
- Endpoint Protection: Configuration Manager
- Resource access policies: Configuration Manager
- Client apps: Configuration Manager
- Office Click-to-Run apps: Configuration Manager
- Windows Update policies: Configuration Manager

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

[< Previous] [Next >] [Summary] [Cancel]

Configuration Manager Updates Wizard ✕

🖥 Completion

General
   Features
   Client update options
License Terms
Cloud attach
   Configure upload
   Enablement
   Workloads
   Staging
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 2103
Prerequisite warnings will be ignored
Test new version of the client in production
Software Assurance expiration date is 2021-05-01.

Cloud attach
- Azure environment: AzurePublicCloud
- Enable Microsoft Endpoint Manager admin center: True

Data Upload
- Collection to upload: All devices

Enablement
- Devices to auto-enroll into Microsoft Intune: Configuration Manager

Workloads Configuration
- Compliance policies: Configuration Manager
- Device configuration: Configuration Manager
- Endpoint Protection: Configuration Manager
- Resource access policies: Configuration Manager
- Client apps: Configuration Manager

To exit the wizard, click Close.

[< Previous] [Next >] [Summary] [Close]

Updates and Servicing 3 items

Search

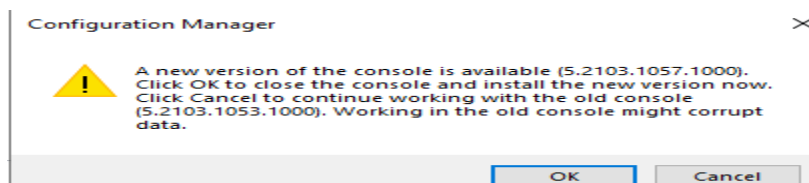| Name	Date Released	State	Prereq Only	Ignore Prereq Warning	Full Version	Client Version	Last Update Time
Configuration Manager Technical Preview 2103	02-Mar-2021 11:00 AM	Installing	No	Yes	5.00.9047.1000	5.00.9047.1000	04-Mar-2021 10:16 AM
Configuration Manager Technical Preview 2103	02-Mar-2021 11:00 AM	Installing	No	Yes	5.00.9047.1000	5.00.9047.1000	04-Mar-2021 10:16 AM

Updates and Servicing 2 items

Search

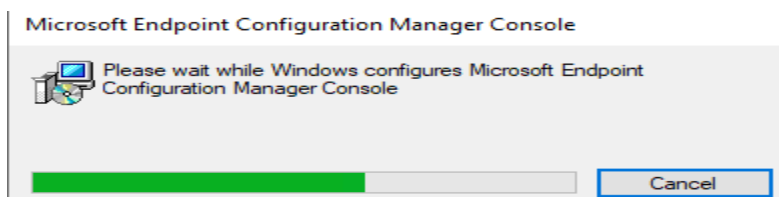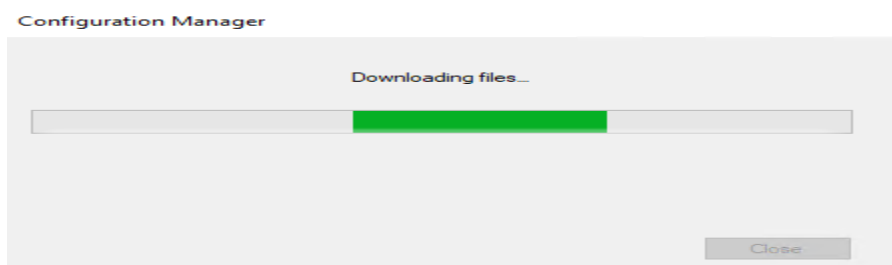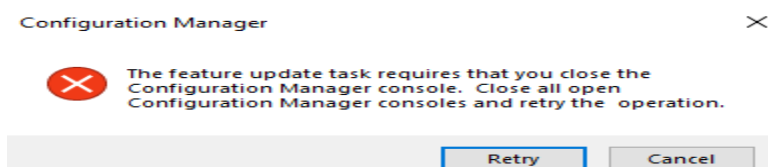| Name	Date Released	State	Prereq Only	Ignore Prereq Warning	Full Version	Client Version	Last Update Time
Configuration Manager Technical Preview 2103	02-Mar-2021 11:00 AM	Checking prerequisites	No	Yes	5.00.9047.1000	5.00.9047.1000	04-Mar-2021 10:21 AM

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 2103	02-Mar-2021 11:00 AM	Installing	No	Yes	5.00.9047.1000	5.00.9047.1000	04-Mar-2021 10:40 AM

Updates and Servicing 1 items

Search

Name	Date Released	State	Prereq Only	Ignore Prereq Warning	Full Version	Client Version	Last Update Time
Configuration Manager Technical Preview 2103	02-Mar-2021 11:00 AM	Installed	No	Yes	5.00.9047.1000	5.00.9047.1000	04-Mar-2021 11:21 AM

Configuration Manager ✕

⚠ A new version of the console is available (5.2103.1057.1000). Click OK to close the console and install the new version now. Click Cancel to continue working with the old console (5.2103.1053.1000). Working in the old console might corrupt data.

[OK] [Cancel]

When, I got below error, I restarted the server and terminated configuration manager remote service from task manager to update the console.

Configuration Manager ✕

❌ The feature update task requires that you close the Configuration Manager console. Close all open Configuration Manager consoles and retry the operation.

[Retry] [Cancel]

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 2103 Tech Preview

Welcome to update 2103 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. To request a new feature or enhancement, use the Configuration Manager UserVoice site.

▲ What's New in 2103

Configuration Manager Cmdlet Library changes

Changes to the Windows PowerShell cmdlets for Configuration Manager version 2103. In addition to new cmdlets, changes may include new functionality, bug fixes, or cmdlet deprecation. Some changes may not be backwards compatible. If you use one of the cmdlets listed in the release notes, carefully review the changes to understand how they may affect your use.

Configuration Manager Cmdlet Library changes - Changes to the Windows PowerShell cmdlets for Configuration Manager version 2103. In addition to new cmdlets, changes may include new functionality, bug fixes, or cmdlet deprecation. Some changes may not be backwards compatible. If you use one of the cmdlets listed in the release notes, carefully review the changes to understand how they may affect your use.

New cmdlets

Remove-CMClientSettingDeployment

Use this cmdlet to remove a specific deployment of a client setting.

```PowerShell
$clientSettingId = (Get-CMClientSetting -name "Remote control").SettingsID

Remove-CMClientSettingDeployment -CollectionID 'XYZ0003F' -ClientSettingsID $clientSettingId
```

Modified cmdlets

Fast support

The following cmdlets now support the **Fast** parameter. Use this parameter to not automatically refresh lazy properties. Lazy properties contain values that are relatively inefficient to retrieve. Getting these properties can cause more network traffic and affect cmdlet performance.

- Get-CMAlert
- Get-CMAlertSubscription
- Get-CMBaseline
- Get-CMBaselineDeployment
- Get-CMBaselineDeploymentStatus
- Get-CMClientCertificatePfx
- Get-CMComplianceRule
- Get-CMComplianceSetting
- Get-CMConfigurationPlatform
- Get-CMConfigurationPolicyDeployment
- Get-CMDriver
- Get-CMDriverPackage
- Get-CMTaskSequence
- Get-CMTaskSequenceDeployment

Get-CMPackage

Non-breaking changes

Community hub support for configuration baselines - Community hub now supports contributing and downloading configuration baselines including the child configuration items. This integration allows administrators to easily share and reuse configuration baselines and configuration items. Baselines with software updates or version-specific references aren't supported. Contributing and downloading configuration baselines is also available for current branch versions of Configuration Manager. For more information, see What's new in community hub and Contribute to the community hub.
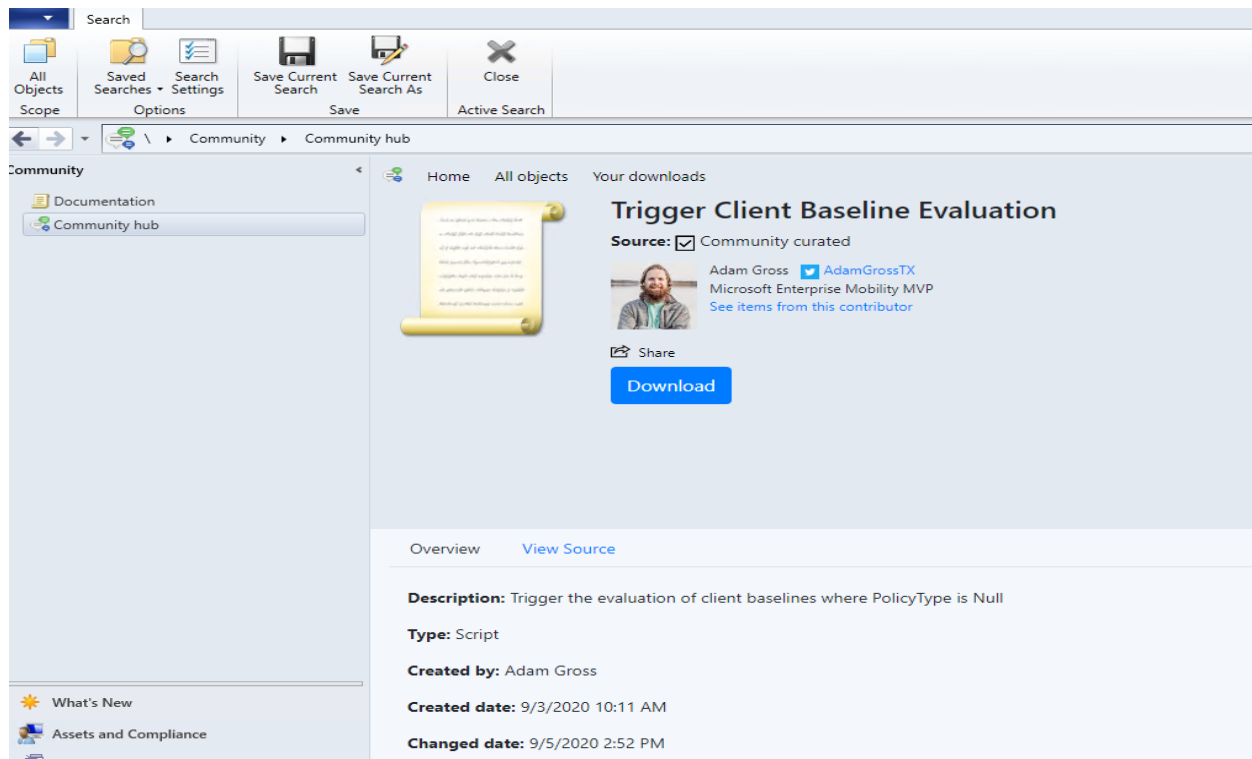
Contributing a configuration baseline

When you contribute a configuration baseline, each of the child configuration items is verified. The verification starts at the lowest nested level. This means that configuration items that are grandchildren are verified before direct child configuration items are. The following process occurs to ensure the configuration baseline is usable and complete:

1. Check if the child configuration item is already in the community hub. If the configuration item doesn't exist, it's created.

   - A configuration item with software updates or version-specific references will cause an error and the contribution will fail.

2. If the configuration item already exists in the community hub, verify the contributor is the author. If the contributor isn't the author, a new configuration item is created in community hub.

3. If the contributor is the author, check for local updates to the configuration item. If the configuration item changed, update the item in the community hub.

Tenant attach: Antivirus policy supports exclusions merge- When a tenant attached device is targeted with two or more antivirus policies, the settings for antivirus exclusions will merge before being applied to the client. This change results in the client receiving the exclusions defined in each policy, allowing for more granular control of antivirus exclusions.

Try it out!

Try to complete the tasks. Then send Feedback with your thoughts on the feature.

Prerequisites

- All of the prerequisites for Tenant attach: Create and deploy endpoint security policies from the admin center.
- The latest version of the Configuration Manager client installed

Create two policies with different antivirus exclusions

1. Create an antivirus policy from the Microsoft Endpoint Manager admin center ⧉ that includes some antivirus exclusions.
2. Create a second antivirus policy including only antivirus exclusions that are different from the first policy.
3. Assign both antivirus policies to the same collection.
4. Observe the results on a client in the targeted collection. Antivirus exclusions from both policies are applied.

New CMG deployments use TLS 1.2- Starting this release, new deployments of the cloud management gateway (CMG) by default enable the option to Enforce TLS 1.2. This change doesn't affect existing deployments. While not recommended, if you need to use the less secure TLS protocol versions, you can still disable this option.

Cloud attach during site upgrade- Microsoft Endpoint Manager is an integrated solution for managing all of your devices. Cloud attach brings together Configuration Manager and Intune into a single console called Microsoft Endpoint Manager admin center. If you haven't already enabled the following cloud attach features, now the site upgrade process lets you cloud attach the site:

Try to complete the tasks. Then send Feedback with your thoughts on the feature.

1. Install the update for 2103 technical preview branch. For more information, see Install in-console updates.

2. On the new **Cloud attach** page of the Updates Wizard, select **Sign in**. Sign in to Azure Active Directory (Azure AD) with a *Global Administrator* account.

   The wizard enables the following options by default:

   - **Enable Microsoft Endpoint Manager admin center**
   - **Enable automatic client enrollment for co-management**

   By default, Configuration Manager uses your global administrator credentials to register an app in your Azure AD tenant. It uses this app to authorize synchronization of data between your on-premises site and Intune. To use an app that you already created, select **Optionally import a separate web app....**

3. On the **Configure upload** page of the wizard, select the recommended device upload setting of **All my devices managed by Microsoft Endpoint Configuration Manager**. If needed, you can limit upload to a single device collection.

   The wizard enables by default the option to **Enable Endpoint analytics for devices uploaded to Microsoft Endpoint Manager**. Use Endpoint Analytics to get insights to optimize the end-user experience. For more information, see What is Endpoint analytics?

4. On the **Enablement** page of the wizard, configure automatic device enrollment to Intune.

5. On the **Workloads** page, configure which device authority manages each supported workload. For more information, see How to switch Configuration Manager workloads to Intune.

6. If you configure a workload for Pilot Intune, use the **Staging** page of the wizard to select a device collection for the pilot.

7. Complete the Updates Wizard.

After the site finishes updating to version 2103, you can take advantage of the cloud attach features.

To help troubleshoot, use the following log files:

- For upgrade progress, see **ConfigMgrSetup.log** at the root of the system drive.

- For more information on cloud attach, see **CMGatewaySyncUploadWorker.log** in the site's log directory.

Known issue with cloud attach during site upgrade

If you opt out of cloud attach during the Updates Wizard, you still need to sign in on the **Cloud attach** page. It doesn't enable cloud attach features if you don't select them, but you can't continue the wizard unless you authenticate.

This concludes all the new features of TP2103.

Thanks

Ram Lan
4th Mar 2021