

## Installing Technical Preview 2002 – Configuration Manager Endpoint

In this post, I will show you the install steps and explore new features released. I am running TP2001.2 and will be upgrading the version to TP2002.

Visit below link for more details about TP2002.

<https://docs.microsoft.com/en-us/configmgr/core/get-started/2020/technical-preview-2002>

<https://techcommunity.microsoft.com/t5/configuration-manager-blog/improvements-to-orchestration-groups-in-configuration-manager/ba-p/1172845>

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 2002	12-Feb-2020 12:00 AM	Downloading	No	No	5.00.8953.1000	5.00.8953.1000	14-Feb-2020 9:39 AM

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 2002	12-Feb-2020 12:00 AM	Ready to install	No	No	5.00.8953.1000	5.00.8953.1000	14-Feb-2020 9:48 AM

ew ▸ Updates and Servicing ▸

Configuration Manager Updates Wizard

General

**Configuration Manager Technical Preview 2002**

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](#)

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## Features

General

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## 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.

- ☒ Enable third party update support on clients
- ☒ Device Health Attestation assessment for compliance policies for conditional access
- ☒ Package Conversion Manager
- ☒ Windows Defender Exploit Guard policy
- ☒ Microsoft Operations Management Suite (OMS) Connector
- ☒ Task Sequence Debugger
- ☒ Cloud Management Gateway
- ☒ Surface Driver Updates
- ☒ Passport for Work
- ☒ Application Groups

Description:

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## 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...

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## License Terms

General

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## 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-Jun-2020 

[Learn more](#)

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Summary

Cancel



## Summary

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## Confirm the Settings

Details:

**Summary of update package installation**

Install Update Package Configuration Manager Technical Preview 2002  
Prerequisite warnings will be ignored  
Test new version of the client in production  
Software Assurance expiration date is 2020-06-01.

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

&lt; Previous

Next &gt;

Summary

Cancel



## Completion

## General

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Client Update Options

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Completion



## The Configuration Manager Updates Wizard completed successfully

Details:

## Summary of update package installation

✓ Success: Install Update Package Configuration Manager Technical Preview 2002  
 Prerequisite warnings will be ignored  
 Test new version of the client in production  
 Software Assurance expiration date is 2020-06-01.

To exit the wizard, click Close.

&lt; Previous

Next &gt;

Summary

Close

## Updates and Servicing 2 items

Name	Date Released	State	Prereq Only	Ignore Prereq Warning	Full Version	Client Version
Configuration Manager Technical Preview 2002	12-Feb-2020 12:00 AM	Installing	No	Yes	5.00.8953.1000	5.00.8953.1000

## Updates and Servicing 2 items

Name	Date Released	State	Prereq Only	Ignore Prereq Warning	Full Version	Client Version
Configuration Manager Technical Preview 2002	12-Feb-2020 12:00 AM	Checking prerequisites	No	Yes	5.00.8953.1000	5.00.8953.1000

## Updates and Servicing 2 items

Name	Date Released	State	Prereq Only	Ignore Prereq Warning	Full Version	Client Version
Configuration Manager Technical Preview 2002	12-Feb-2020 12:00 AM	Prerequisite check passed with warnings	No	Yes	5.00.8953.1000	5.00.8953.1000

## Update Pack Installation Status



Detailed status for the Configuration Manager Technical Preview 2002 installation on the site TP1:

Refresh

[View Post-Setup Configuration tasks](#)

Name	Status	Last Update Time
✓ Download	Completed	14-Feb-2020 9:50:04 AM
✓ Replication	Completed	14-Feb-2020 10:13:41 AM
⚠ Prerequisite Check	Completed with ...	14-Feb-2020 10:17:13 AM
▶ Installation	In progress	14-Feb-2020 10:17:24 AM
Post Installation	Not started	

Name	Status	Last Update Time
✓ SQL Index Create Memory option	Completed	14-Feb-2020 10:16:...
✓ SQL Server supported version	Completed	14-Feb-2020 10:17:...
✓ SQL availability group replicas must be healthy	Completed	14-Feb-2020 10:16:...
✓ SQL availability group replicas must all have the same seeding mode	Completed	14-Feb-2020 10:16:...
✓ Software Update Points using a Load Balancer (NLB/HLB) is no longer supported.	Completed	14-Feb-2020 10:17:...
✓ Upgrade Assessment Toolkit is no longer supported.	Completed	14-Feb-2020 10:17:...
✓ Unsupported site server operating system version for Setup	Completed	14-Feb-2020 10:16:...
✓ Unsupported operating system version for site system role	Completed	14-Feb-2020 10:17:...
✓ Using HTTP management point with cloud management gateway is not supported	Completed	14-Feb-2020 10:17:...
✓ SQL Server Always On availability groups	Completed	14-Feb-2020 10:17:...
✓ Max Text Repl Size for SQL Server Always On availability groups	Completed	14-Feb-2020 10:17:...
✓ Pending configuration item policy updates	Completed	14-Feb-2020 10:17:...
✓ SQL Server Configuration for site upgrade	Completed	14-Feb-2020 10:17:...
✓ SQL Server Native Client version	Completed	14-Feb-2020 10:16:...
⚠ Potential SQL server performance issue caused by change tracking retention period	Completed with ...	14-Feb-2020 10:17:...
✓ Check if the site uses hybrid mobile device management (MDM)	Completed	14-Feb-2020 10:17:...
✓ Check if the site uses Upgrade Readiness (UR)	Completed	14-Feb-2020 10:17:...

Description:

[Completed with warning]: The site database has a backlog of SQL change tracking data. For more information, see <https://go.microsoft.com/fwlink/?linkid=2027576>

## Updates and Servicing 2 items

Name	Date Released	State	Prereq Only	Ignore Prereq Warning	Full Version	Client Version
Configuration Manager Technical Preview 2002	12-Feb-2020 12:00 AM	Installing	No	Yes	5.00.8953.1000	5.00.8953.1000

Configuration Manager



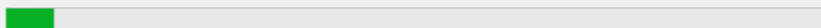
A new version of the console is available (5.2002.1043.1000). Click OK to close the console and install the new version now. Click Cancel to continue working with the old console (5.2002.1037.1000). Working in the old console might corrupt data.

OK

Cancel

Configuration Manager

Downloading files...

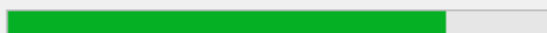


Close

Microsoft Endpoint Configuration Manager Console



Please wait while Windows configures Microsoft Endpoint Configuration Manager Console



Cancel

Microsoft Endpoint Configuration Manager Console



Please wait while Windows configures Microsoft Endpoint Configuration Manager Console

Time remaining: 36 seconds



Cancel

About Microsoft Endpoint Configuration Manager



## Microsoft Endpoint Configuration Manager

Microsoft Endpoint Configuration Manager

Version 2002 for Technical Preview

Console version: 5.2002.1043.1000

Site version: 5.0.8953.1000

Support ID:

ea7JJAjdkzXUDFAB4c9br6+mK5oRLZ/PP2NbYUDa+OM=

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OK

## Microsoft Endpoint Configuration Manager 2002 Tech Preview

**What's New in 2002**

Progress: **3** 1

**Evaluate software updates after a servicing stack update**  
Configuration Manager now detects if a servicing stack update (SSU) is part of an installation for multiple updates. When an SSU is detected for installation, it's installed first. After install of the SSU, a software update evaluation cycle runs to install the remaining updates. This change allows a dependent cumulative update to be installed after the servicing stack update.

**New BitLocker Management Settings**  
This refresh includes many new BitLocker Management settings including support for fixed data drive and removable drive encryption.

**Scenarios:**

- ✓ Create a new BLM policy under Endpoint Protection or modify an existing BLM policy
- ✓ Deploy the new BLM policy to a device collection
- Verify recovery key in database as appropriate

**Office 365 updates for disconnected software update points**  
You can use a new tool to import Office 365 updates from an internet connected WSUS server into a disconnected Configuration Manager environment.

**Orchestration Groups**  
Orchestration Groups feature is the evolution of the "Server Groups" feature. It is now a brand new entity in Configuration Manager. Create an Orchestration Group and service it with your rules and with "before" and "after" scripts you define.

**Scenarios:**

- ✓ Create an Orchestration Group and service it with your rules

**Proxy support for AAD user/group discovery and AAD group sync**  
The AAD user/group discovery and AAD group sync will use the proxy settings in the site system. This includes the support for authenticated proxy as well.


**Token based authentication for Cloud Management Gateway**  
Clients without PKI client certificates or those not capable of Azure Active Directory authentication can now authenticate securely to a Cloud Management Gateway. This token authentication can be used for bulk registration of Internet-based devices or for previously provisioned machines roaming off the corporate network.

### 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 2002	12-Feb-2020 12:00 AM	Installed	No	Yes	5.00.8953.1000	5.00.8953.1000	14-Feb-2020 11:06 AM

### Hierarchy Settings Properties

**General** Licensing Diagnostic and Usage Data Client Approval and Conflicting Records Authentication **Client Upgrade**

 Configure settings that control how clients automatically upgrade.

**Production client version:** 5.00.8953.1000  
**Last modified:** 14-Feb-2020 11:18:25 AM

☐ Upgrade all clients in the hierarchy using production client

- ☐ Do not upgrade servers

**Automatically upgrade clients within days:**

**Pre-production client version:** 5.00.8953.1000  
**Last modified:** 14-Feb-2020 11:17:27 AM

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

- Pre-production collection :**

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

Before we explore new features of TP2002 – I want to fix the warning, we got during pre req check with the upgrade.

Update Pack Installation Status

Detailed status for the Configuration Manager Technical Preview 2002 installation on the site TP1:

[View Post-Setup Configuration tasks](#)

Name	Status	Last Update Time
Download	Completed	14-Feb-2020 9:50:04 AM
Replication	Completed	14-Feb-2020 10:13:41 AM
Prerequisite Check	Completed with ...	14-Feb-2020 10:17:13 AM
Installation	Completed	14-Feb-2020 11:06:45 AM
Post Installation	In progress	14-Feb-2020 11:32:39 AM

Name	Status	Last Update Time	Description
SQL Server supported version	Completed	14-Feb-2020 10:17:13 AM	Starting with versic
SQL availability group replicas must be healthy	Completed	14-Feb-2020 10:16:58 AM	Checking availabili
SQL availability group replicas must all have the same se...	Completed	14-Feb-2020 10:16:59 AM	Checking availabili
Software Update Points using a Load Balancer (NLB/HL...	Completed	14-Feb-2020 10:17:09 AM	Starting with versic
Upgrade Assessment Toolkit is no longer supported.	Completed	14-Feb-2020 10:17:09 AM	Starting with versic
Unsupported site server operating system version for Set...	Completed	14-Feb-2020 10:16:49 AM	Verifies that the sit
Unsupported operating system version for site system role	Completed	14-Feb-2020 10:17:00 AM	Verifies that the sit
Using HTTP management point with cloud management ...	Completed	14-Feb-2020 10:17:10 AM	Checking if HTTP
SQL Server Always On availability groups	Completed	14-Feb-2020 10:17:10 AM	Checks if the spec
Max Text Repl Size for SQL Server Always On availabili...	Completed	14-Feb-2020 10:17:10 AM	Checks if the max
Pending configuration item policy updates	Completed	14-Feb-2020 10:17:12 AM	Checks if there are
SQL Server Configuration for site upgrade	Completed	14-Feb-2020 10:17:13 AM	Checks if the spec
SQL Server Native Client version	Completed	14-Feb-2020 10:16:59 AM	Verifies that the ve
Potential SQL server performance issue caused by chan...	Completed with ...	14-Feb-2020 10:17:13 AM	The site database
Check if the site uses hybrid mobile device management ...	Completed	14-Feb-2020 10:17:13 AM	Microsoft Intune S
Check if the site uses Upgrade Readiness (UR)	Completed	14-Feb-2020 10:17:13 AM	The Upgrade Rea

Description:

[Completed with warning]: The site database has a backlog of SQL change tracking data. For more information, see <https://go.microsoft.com/fwlink/?linkid=2027576>

Open SQL Management Studio – Login

Connect to Server

## SQL Server

Server type: Database Engine

Server name: TP1

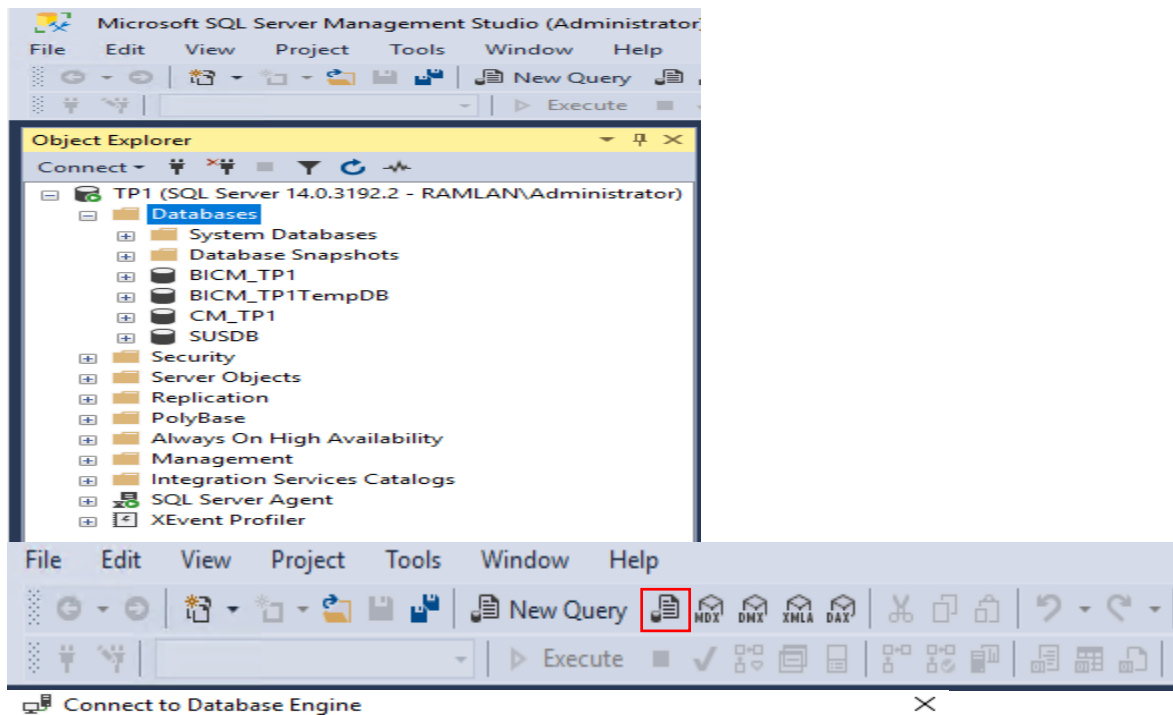
Authentication: Windows Authentication

User name: RAMLAN\Administrator

Password:

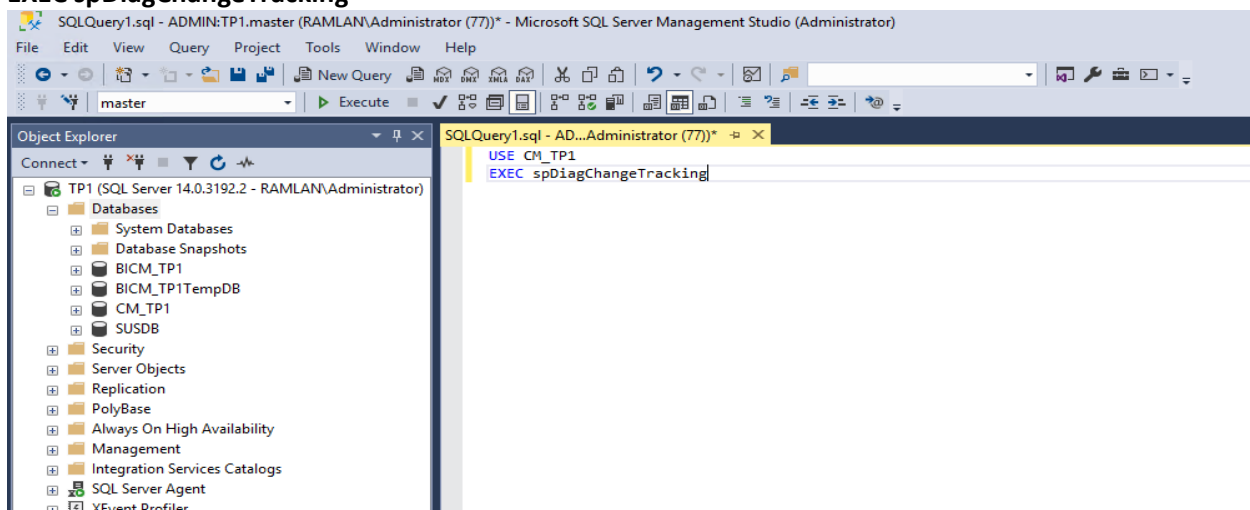
☐ Remember password

Connect Cancel Help Options >>



## USE CM\_TP1

## EXEC spDiagChangeTracking





Results Messages

LocalTime	SiteCode	ParentSite	SiteType	SiteStatus	SQLInstance	DBName
2020-02-14 12:02:15.560	TP1		Primary	INACTI...	TP1.RAMLAN.CA	CM_T...

Syscommittab_RowCount	CT_Min_Time_(Local)	CT_Days_Old	CT_Oldest_Version	CT_Min_XdesID	Auto_Cleanup_Version	Auto_Cleanup_Time_(Local)	Cleanup_Version	Cleanup_Time_(Local)	Syscommittab_Rows_Past_Retention	Retention_Per
16	2020-02-04 18:46:03.147	10	2323	2177953	2323	2020-02-04 18:46:03.147	2323	2020-02-04 18:46:03.147	0	5

ID	TableName	CTTableName	ObjectID	CTRowCount	MinXdesID	MinTime	DaysOld	RowsBeyondRetention	AllRowsBeyondRetention	NumRowsOrphaned	NumRowsDeleted	ErrorCount	ErrorNumber
1	M365ACollections	change_tracking_36195179	2365799...	0	NULL	NULL	NULL	0	0	0	NULL	NULL	NULL
2	CollectionAADGroupMappi...	change_tracking_187147712	2525799...	0	NULL	NULL	NULL	0	0	0	NULL	NULL	NULL
3	CollectionMembers	change_tracking_251147940	2045798...	0	NULL	NULL	NULL	0	0	0	NULL	NULL	NULL
4	EP_Malware	change_tracking_263671987	1405795...	0	NULL	NULL	NULL	0	0	0	NULL	NULL	NULL
5	MDMApplicationProperties	change_tracking_404196490	2305001...	0	NULL	NULL	NULL	0	0	0	NULL	NULL	NULL
6	MDMApplicationRequest	change_tracking_420196547	2465001...	0	NULL	NULL	NULL	0	0	0	NULL	NULL	NULL
7	MDMApplicationRequestH...	change_tracking_436196604	2625002...	0	NULL	NULL	NULL	0	0	0	NULL	NULL	NULL
8	EventLogonResult	change_tracking_449749005	8143263...	0	NULL	NULL	NULL	0	0	0	NULL	NULL	NULL

Execution Time Final (minutes)
0

Query executed successfully.

ADMIN:TP1 (14.0 RTM) RAMLAN\Administrator (77) CM\_TP1 00:00:02 60 rows

Wait for the query to run and now look at the CT\_Days\_Old value which is 10 days in my case. This value tells you the age (days) of the oldest entry in your syscommittab table.

To clean up the change tracking data, run the below command in the dedicated administration connection.

## USE CM\_TP1

**EXEC spDiagChangeTracking @CleanupChangeTracking = 1**

Results Messages

1	LocalTime	SiteCode	ParentSite	SiteType	SiteStatus	SQLInstance	DBName							
	2020-02-14 12:06:49.930	TP1		Primary	INACTI...	TP1.RAMLAN.CA	CM_T...							
	Syscommittab_RowCount	CT_Min_Time(Local)	CT_Days_Old	CT_Oldest_Version	CT_Min_XdesID	Auto_Cleanup_Version	Auto_Cleanup_Time(Local)	Cleanup_Version	Cleanup_Time(Local)	Syscommittab_Rows_Past_Retention	Retention_Period			
	15	2020-02-14 09:09:33.700	0	2324	2178905	2323	NULL	2323	NULL	-1	5			
< >														
	ID	TableName	CTTableName	ObjectID	CTRowCount	MinXdesID	MinTime	DaysOld	RowsBeyondRetention	AllRowsBeyondRetention	NumRowsOrphaned	NumRowsDeleted	ErrorCount	ErrorNumber
1	1	M365ACollections	change_tracking_36195179	2365799...	0	NULL	NULL	NULL	0	0	0	0	0	NULL
2	2	CollectionAADGroupMappi...	change_tracking_187147712	2525799...	0	NULL	NULL	NULL	0	0	0	0	0	NULL
3	3	CollectionMembers	change_tracking_251147940	2045798...	0	NULL	NULL	NULL	0	0	0	0	0	NULL
4	4	EP_Malware	change_tracking_263671987	1405795...	0	NULL	NULL	NULL	0	0	0	0	0	NULL
5	5	MDMApplicationProperties	change_tracking_404196490	2305001...	0	NULL	NULL	NULL	0	0	0	0	0	NULL
6	6	MDMApplicationRequest	change_tracking_420196547	2465001...	0	NULL	NULL	NULL	0	0	0	0	0	NULL
7	7	MDMApplicationRequestH...	change_tracking_436196604	2625002...	0	NULL	NULL	NULL	0	0	0	0	0	NULL
8	8	EventLogonResult	change_tracking_449749005	8143263...	0	NULL	NULL	NULL	0	0	0	0	0	NULL
>														
	Execution Time Final (minutes)													
1	0													

Query executed successfully.

ADMIN:TP1 (14.0 RTM) RAMLAN\Administrator (77) CM\_TP1 00:00:01 61 rows

Finally take a look at CT\_Days\_Old value which is now 0.

With above steps we have fixed the warning. During next upgrade we will keep a eye on the Pre Req warning, if any.

Now it is time to explore the new features of TP2002.

1. Evaluate Software Updates after SSU
2. New Bitlocker Management Settings
3. Office 365 Updates disconnected from SUP
4. Orchestration Groups
5. Proxy support for AAD user/group discovery and AAD group sync
6. Token based authentication for CMG
7. Improvements to PXE Responder
8. Additional Improvements to Task Sequence Progress

I will go through each of them in great details in this document.


## Evaluate Software Updates after SSU

Configuration Manager now detects if a servicing stack update (SSU) is part of an installation for multiple updates. When an SSU is detected, it's installed first. After install of the SSU, a software update evaluation cycle runs to install the remaining updates. This change allows a dependent cumulative update to be installed after the servicing stack update. The device doesn't need to restart between installs, and you don't need to create an additional maintenance window. SSUs are installed first only for non-user initiated installs. For instance, if a user initiates an installation for multiple updates from Software Center, the SSU might not be installed first.

## New Bitlocker Management Settings

The BitLocker management policy now includes additional settings, including policies for fixed and removable drives:

- Global policy settings on the **Setup** page:
  - Prevent memory overwrite on restart
  - Validate smart card certificate usage rule compliance
  - Organization unique identifiers
- **OS drive** settings:
  - Allow enhanced PINS for startup
  - Operating system drive password policy
  - Reset platform validation data after BitLocker recovery
  - Pre-boot recovery message and URL
  - Encryption policy enforcement settings
- **Fixed drive** settings:
  - Fixed data drive encryption
  - Deny write access to fixed drives not protected by BitLocker
  - Allow access to BitLocker fixed data drives from earlier versions of Windows
  - Fixed data drive password policy
  - Encryption policy enforcement settings
- **Removable drive** settings:
  - Removable drive data encryption
  - Deny write access to removable drives not protected by BitLocker
  - Allow access to BitLocker protected removable drives not protected by BitLocker
  - Removable drive password policy
- **Client management** settings:
  - User exemption policy
  - Customer experience improvement program

Assets and Compliance > Overview > Endpoint Protection > BitLocker Management					
< BitLocker Management 1 items					
Icon	Revision	Name	Date Modified	Deployed	Order
	1	Test 1	29-Sep-2019 7:05 PM	Yes	1

Properties

General Setup Operating System Drive Client Management Fixed Drive Removable Drive

These policy setting allows you to manage global BitLocker encryption settings.

[Learn more about BitLocker Global Policy Settings](#)

Drive encryption method and cipher strength

Enabled

Select the encryption method AES 128-bit (default)

Drive encryption method and cipher strength (Windows 10)

Enabled

Operating System Drives	XTS-AES 128-bit
Fixed Data Drives	XTS-AES 128-bit
Removable Data Drives	AES-CBC 128-bit

Enabling this setting does not encrypt any drives

Prevent memory overwrite on restart

Not Configured

Validate smart card certificate usage rule compliance

Not Configured

Object identifier:

OK Cancel Apply

Properties

General Setup Operating System Drive Client Management Fixed Drive Removable Drive

These policy setting allows you to manage operating system drive encryption.

[Learn more about BitLocker Operating System Drive Policy Settings](#)

Operating System Drive Encryption Settings

Enabled

Allow BitLocker without a compatible TPM (requires a password) Allow

Select protector for operating system drive TPM and PIN

Configure minimum PIN length for startup 4

Enabling this setting will encrypt operating system drives. Disabling this setting will decrypt operating system drives.

Allow enhanced PINs for startup

Not Configured

☐ Require ASCII-only PINs

Operating system drive password policy

Not Configured

Configure password complexity for operating system drives:

Allow password complexity

Minimum password length for operating system drive:

OK Cancel Apply

Properties

General Setup Operating System Drive Client Management Fixed Drive Removable Drive

These policy settings allow you to manage BitLocker Management services and clients.

[Learn more about BitLocker Client Management Policy Settings](#)

BitLocker Management Services

Enabled

Select BitLocker recovery information to store:

Recovery password and key package

☐ Allow recovery information to be stored in plain text. !

Enter client checking status frequency in (minutes): 90

User exemption policy

Not Configured

Maximum days to postpone: 7

Contact method:

URL

Contact URL, email address or phone number:

OK Cancel Apply

Properties

General Setup Operating System Drive Client Management Fixed Drive Removable Drive

These policy setting allows you to manage fixed drive encryption.

[Learn more about BitLocker Fixed Drive Policy Settings](#)

Fixed data drive encryption

Not Configured

Configure Auto-Unlock for fixed data drive:

Allow Auto-Unlock

Enabling this setting will encrypt fixed data drives. Disabling this setting will decrypt fixed data drives.

Deny write access to fixed drives not protected by BitLocker

Not Configured

Allow access to BitLocker-protected fixed data drives from earlier versions of Windows

Not Configured

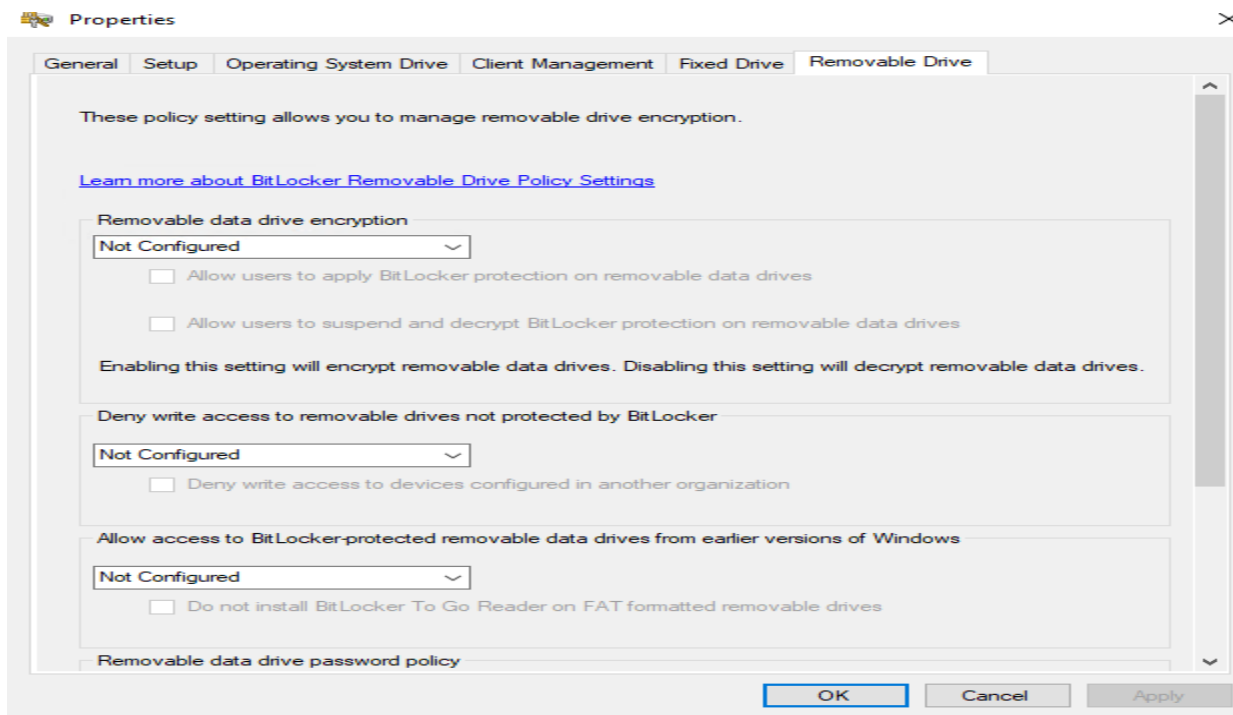
☐ Do not install BitLocker To Go Reader on FAT formatted fixed drives

Fixed data drive password policy

Not Configured

☐ Require password for fixed data drive

OK Cancel Apply



### Office 365 Updates disconnected from SUP

You can use a new tool to import Office 365 updates from an internet connected WSUS server into a disconnected Configuration Manager environment. Previously when you exported and imported metadata for software updated in disconnected environments, you were unable to deploy Office 365 updates. Office 365 updates require additional metadata downloaded from an Office API and the Office CDN, which isn't possible for disconnected environments.

**I will try to write another post later with detailed explanation for O365 Updates.**

### Orchestration Groups

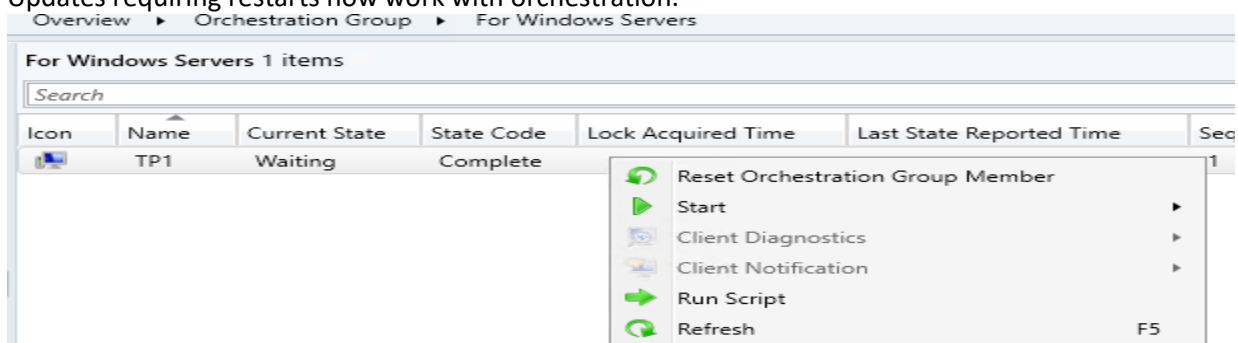
In this technical preview, we've added the following improvements to Orchestration Groups:

Clear the state, such as \*Complete or Failed, for an Orchestration Group member so you can rerun the orchestration.

Right-click on the Orchestration Group member and select Reset Orchestration Group Member.

Start some basic operations like Resource Explorer and Enable Verbose Logging for selected members.

Updates requiring restarts now work with orchestration.



### **Proxy support for AAD user/group discovery and AAD group sync**

- Azure Active Directory (Azure AD) user discovery
- Azure AD user group discovery
- Synchronizing collection membership results to Azure Active Directory groups

### **Token based authentication for CMG**

This feature appears in the What's New workspace of the Configuration Manager console for the technical preview branch version 2002, but it released with version 2001.2.

### **Improvements in Edge Management**

You can now create a Microsoft Edge application that's set up to receive automatic updates rather than having automatic updates disabled. This change allows you to choose to manage updates for Microsoft Edge with Configuration Manager or allow Microsoft Edge to automatically update. When creating the application, select Allow Microsoft Edge to automatically update the version of the client on the end user's device on the Microsoft Edge Settings page.

Microsoft Edge Client Installation Wizard

Microsoft Edge Settings

Application Settings  
Microsoft Edge Settings  
Deployment  
Summary  
Progress  
Completion

Specify settings for Microsoft Edge client

Channel: Stable

Select the version of Microsoft Edge that will be installed on the end user's device.  
[Learn More](#)

☒ Latest  
☐ Specific Version  
80.0.361.50

☐ Allow Microsoft Edge to automatically update the version of the client on the end user's device

### **Improvements to PXE Responder**

The ConfigMgr PXE Responder now sends status messages to the site server. This change makes troubleshooting operating system deployments easier.

## **Additional Improvements to Task Sequence Progress**

Based on continued feedback from the community, this release includes further improvements to task sequence progress. Now the count of total steps doesn't include the following items in the task sequence:

- Groups. This item is a container for other steps, not a step itself.
- Instances of the **Run task sequence** step. This step is a container for other steps, so are no longer counted.
- Steps that you explicitly disable. A disabled step doesn't run during the task sequence, so is no longer counted.

### **Note**

Enabled steps in a disabled group are still included in the total count.

This concludes all the new features in TP2002.

Thanks

**Ram Lan**

**14<sup>th</sup> Feb 2020**