How to upgrade Current Branch 2002 to Current Branch 2006

Microsoft released Current Branch 2006 today for fast ring. This update is not available on slow ring. If you want to go ahead and use fast ring to upgrade your production CB2002 – here is script link.
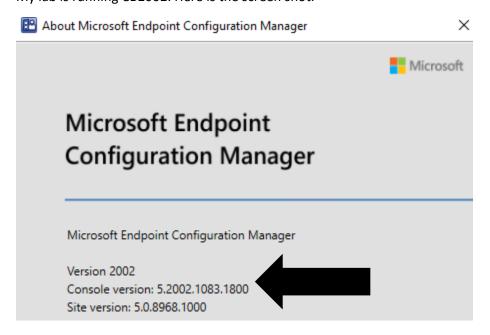

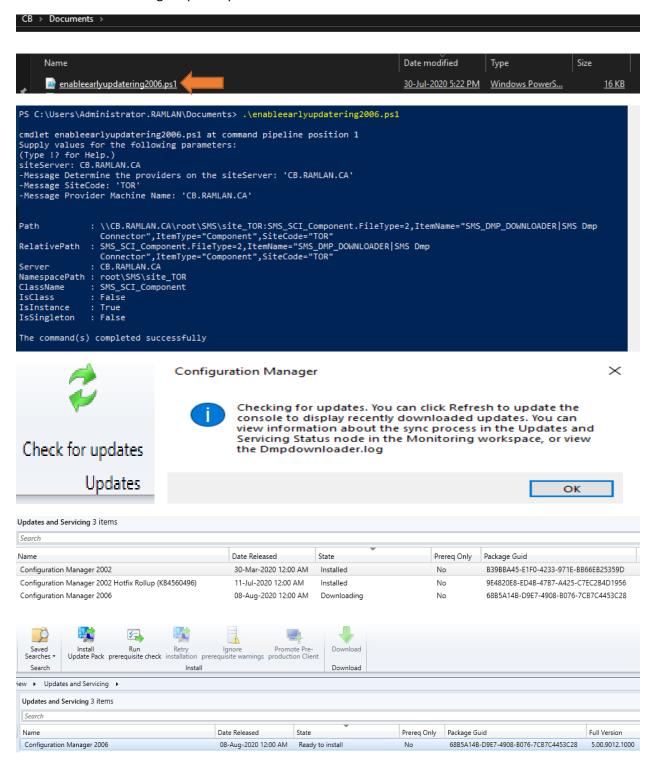https://go.microsoft.com/fwlink/?linkid=2099733

https://techcommunity.microsoft.com/t5/configuration-manager-blog/update-2006-for-microsoft-endpoint-configuration-manager-current/ba-p/1569562

https://docs.microsoft.com/en-us/mem/configmgr/core/plan-design/changes/whats-new-in-version-2006

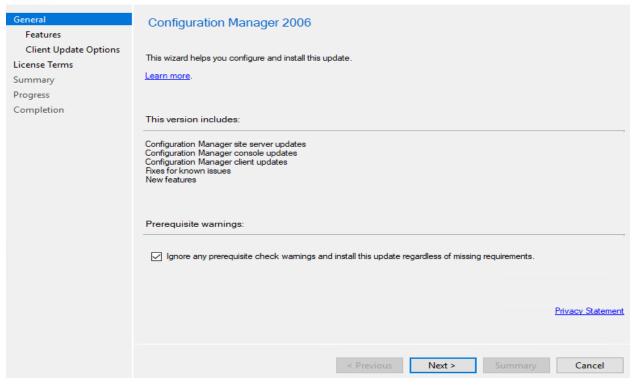My lab is running CB2002. Here is the screen shot.

I have extracted fast ring script – copied to the server and will run as Admin within PowerShell.
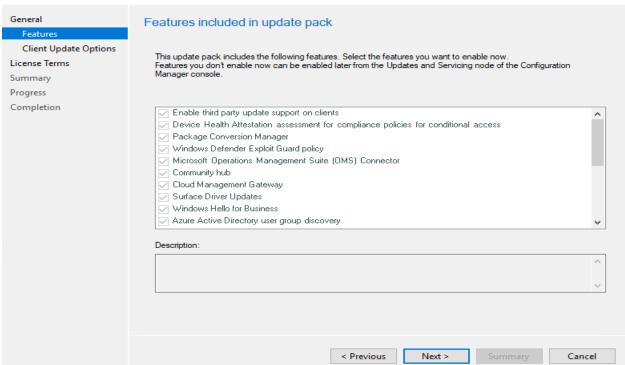
Name	Date modified	Type	Size
enableearlyupdatering2006.ps1	30-Jul-2020 5:22 PM	Windows PowerS...	16 KB

```
PS C:\Users\Administrator.RAMLAN\Documents> .\enableearlyupdatering2006.ps1

cmdlet enableearlyupdatering2006.ps1 at command pipeline position 1
Supply values for the following parameters:
(Type !? for Help.)
siteServer: CB.RAMLAN.CA
-Message Determine the providers on the siteServer: 'CB.RAMLAN.CA'
-Message SiteCode: 'TOR'
-Message Provider Machine Name: 'CB.RAMLAN.CA'


Path          : \\CB.RAMLAN.CA\root\SMS\site_TOR:SMS_SCI_Component.FileType=2,ItemName="SMS_DMP_DOWNLOADER|SMS Dmp
                Connector",ItemType="Component",SiteCode="TOR"
RelativePath  : SMS_SCI_Component.FileType=2,ItemName="SMS_DMP_DOWNLOADER|SMS Dmp
                Connector",ItemType="Component",SiteCode="TOR"
Server        : CB.RAMLAN.CA
NamespacePath : root\SMS\site_TOR
ClassName     : SMS_SCI_Component
IsClass       : False
IsInstance    : True
IsSingleton   : False

The command(s) completed successfully
```

Configuration Manager   ✕

Check for updates
Updates

ℹ Checking for updates. You can click Refresh to update the
   console to display recently downloaded updates. You can
   view information about the sync process in the Updates and
   Servicing Status node in the Monitoring workspace, or view
   the Dmpdownloader.log

                                                              OK

Updates and Servicing 3 items

Search

Name	Date Released	State	Prereq Only	Package Guid
Configuration Manager 2002	30-Mar-2020 12:00 AM	Installed	No	B39BBA45-E1F0-4233-971E-BB66EB25359D
Configuration Manager 2002 Hotfix Rollup (KB4560496)	11-Jul-2020 12:00 AM	Installed	No	9E4820E8-ED4B-47B7-A425-C7EC2B4D1956
Configuration Manager 2006	08-Aug-2020 12:00 AM	Downloading	No	68B5A14B-D9E7-4908-B076-7CB7C4453C28

Saved Searches ▾ | Install Update Pack | Run prerequisite check | Retry installation | Ignore prerequisite warnings | Promote Pre-production Client | Download

Search | Install | Download

iew ▸ Updates and Servicing ▸

Updates and Servicing 3 items

Search

Name	Date Released	State	Prereq Only	Package Guid	Full Version
Configuration Manager 2006	08-Aug-2020 12:00 AM	Ready to install	No	68B5A14B-D9E7-4908-B076-7CB7C4453C28	5.00.9012.1000

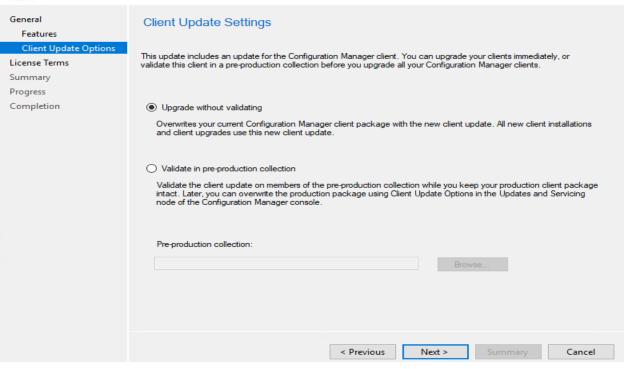## Configuration Manager Updates Wizard

General

Configuration Manager 2006

General
- Features
- Client Update Options

License Terms
Summary
Progress
Completion

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

Configuration Manager Updates Wizard

Features

Features included in update pack

General
- Features
- Client Update Options

License Terms
Summary
Progress
Completion

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
- ☑ Community hub
- ☑ Cloud Management Gateway
- ☑ Surface Driver Updates
- ☑ Windows Hello for Business
- ☑ Azure Active Directory user group discovery

Description:

< Previous | Next > | Summary | Cancel

Configuration Manager Updates Wizard ✕

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:

[   ]   [Browse...]

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

Configuration Manager Updates Wizard ✕

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:

[31-Dec-2020   ▦ ▾]

Learn more

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

Configuration Manager Updates Wizard

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 2006
Prerequisite warnings will be ignored
Test new version of the client in production
Software Assurance expiration date is 2020-12-31.

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
Summary
Progress
Completion

✅ **The Configuration Manager Updates Wizard completed successfully**

Details:

Summary of update package installation

✅ Success: Install Update Package Configuration Manager 2006
Prerequisite warnings will be ignored
Test new version of the client in production
Software Assurance expiration date is 2020-12-31.

To exit the wizard, click Close.

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

Updates and Servicing 3 items

Search

Name	Date Released	State	Prereq Only	Package Guid	Full Version	Client Version
Configuration Manager 2006	08-Aug-2020 12:00 AM	Installing	No	68B5A14B-D9E7-4908-B076-7CB7C4453C28	5.00.9012.1000	5.00.9012.1017

Updates and Servicing 3 items

Search

Name	Date Released	State	Prereq Only	Package Guid	Full Version	Client Version
Configuration Manager 2006	08-Aug-2020 12:00 AM	Checking prerequisites	No	68B5A14B-D9E7-4908-B076-7CB7C4453C28	5.00.9012.1000	5.00.9012.1017

Updates and Servicing 3 items

Search

Name	Date Released	State	Prereq Only	Package Guid	Full Version	Client Version
Configuration Manager 2006	08-Aug-2020 12:00 AM	Installing	No	68B5A14B-D9E7-4908-B076-7CB7C4453C28	5.00.9012.1000	5.00.9012.1017

Configuration Manager ✕

⚠️ A new version of the console is available (5.2006.1026.1900). Click OK to close the console and install the new version now. Click Cancel to continue working with the old console (5.2002.1083.2900). Working in the old console might corrupt data.
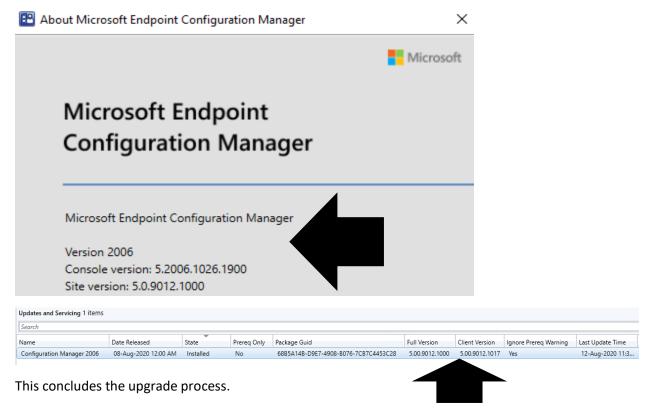
[OK] [Cancel]

Configuration Manager

Downloading files...

[Close]

Microsoft Endpoint Configuration Manager Console

Please wait while Windows configures Microsoft Endpoint Configuration Manager Console

[Cancel]

This concludes the upgrade process.
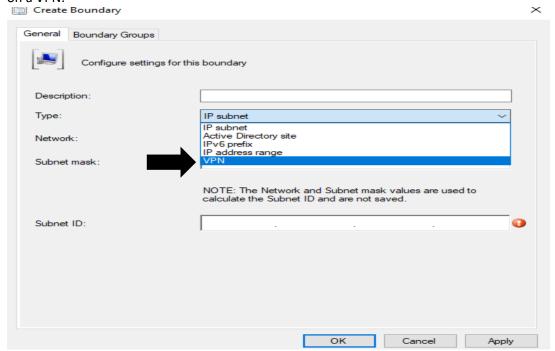
NEW FEATURES:

We will explore all the new features included in this CB2006.
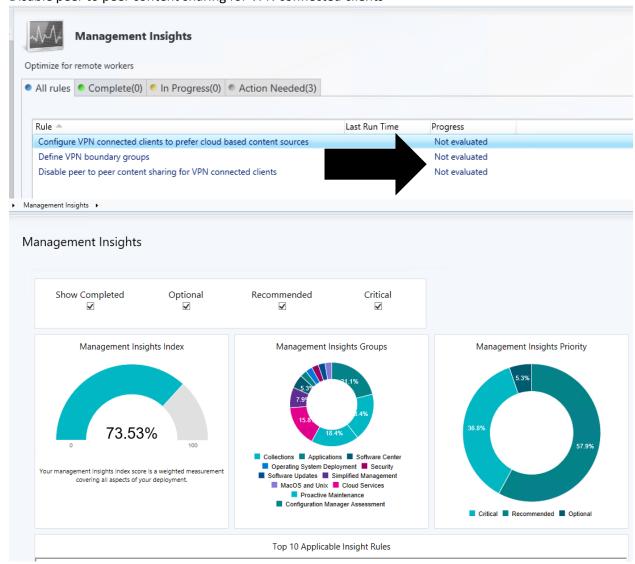
1. **VPN Boundary Type** - To simplify managing remote clients, you can now create a new boundary type for VPNs. Previously, you had to create boundaries for VPN clients based on the IP address or subnet. Now when a client sends a location request, it includes additional information about its network configuration. Based on this information, the server determines whether the client is on a VPN.

2. **Management insights for remote workers** - This release adds a new group of management insights, Optimize for remote workers. These insights help you create better experiences for remote workers and reduce load on your infrastructure. The insights in this release primarily focus on VPN:

   Define VPN boundary groups
   Configure VPN connected clients to prefer cloud-based content sources
   Disable peer to peer content sharing for VPN connected clients

3. **Improved support for Windows 10 VD** - The Windows 10 Enterprise multi-session platform is available in the list of supported OS versions on objects with requirement rules or applicability lists.
4. **Intranet clients can use a CMG software update point** - Intranet clients can now access a CMG software update point when it's assigned to a boundary group.
5. **Install applications from Admin Center** - You can initiate an application install in real time for a tenant attached device from the Microsoft Endpoint Manager admin center. Starting with Configuration Manager version 2006, the list of applications available for the device also includes applications deployed to the device's currently logged on user.

6. **Import previously created Azure AD application during tenant attach onboarding** - During a new onboarding, an administrator can specify a previously created application during onboarding to tenant attach.
7. **Endpoint analytics data collection enabled by default -**

1. In the Configuration Manager console, go to **Administration** > **Cloud Services** > **Co-management**.
2. Select **CoMgmtSettingsProd** then click **Properties**.
3. On the **Configure upload** tab, check the option to **Enable Endpoint analytics for devices uploaded to Microsoft Endpoint Manager**

If you're upgrading from version 2002 to version 2006, existing custom client settings values are retained. The default value for **Enable Endpoint analytics data collection** in Configuration Manager version 2002 is **No**.
If you're upgrading to version 2006 from Configuration Manager version 1910 or prior, any pre-existing custom client settings that contain the **Computer Agent** group of settings inherits the new default of **Yes** for **Enable Endpoint analytics data collection**.

8. **Cloud Attached Management** -

Use Microsoft Azure China 21Vianet for co-management

You can now select the Azure China Cloud as your Azure environment when enabling co-management. For more information, see How to enable co-management.

Notification for Azure AD app secret key expiration

If you configure Azure services to cloud-attach your site, the Configuration Manager console now displays notifications for the following circumstances:
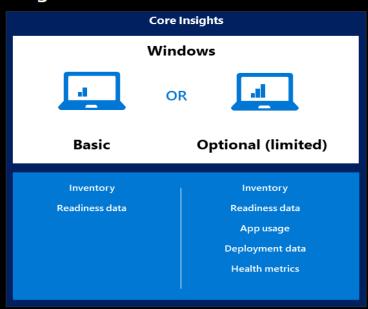
- One or more Azure AD app secret keys will expire soon
- One or more Azure AD app secret keys have expired

9. **Desktop Analytics** – Make sure to complete this on Config Manager -

Enable data sharing for Desktop Analytics

08/11/2020 • 7 minutes to read •

To enroll devices to Desktop Analytics, they need to send diagnostic data to Microsoft. If your environment uses a proxy server, use this information to help configure the proxy.

Diagnostic data levels

Core Insights

Windows

Basic   OR   **Optional (limited)**

Inventory	Inventory
Readiness data	Readiness data
	App usage
	Deployment data
	Health metrics

When you integrate Configuration Manager with Desktop Analytics, you also use it to manage the diagnostic data level on devices. For the best experience, use Configuration Manager.

ⓘ **Important**
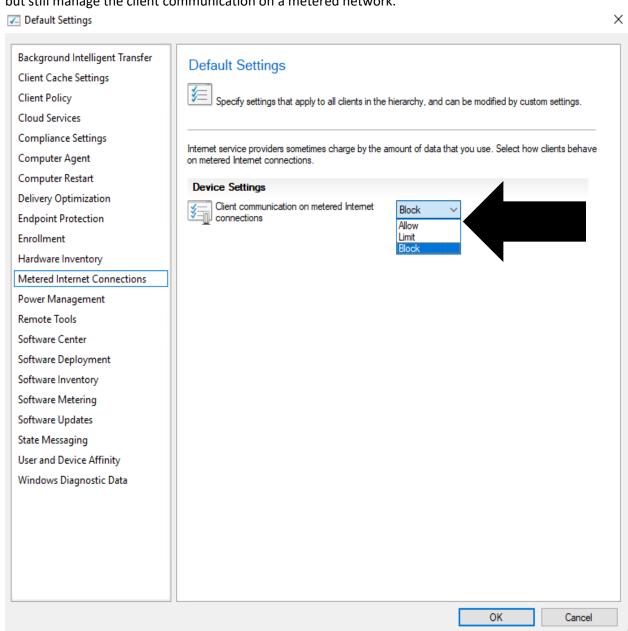
In most circumstances, only use Configuration Manager to configure these settings. Don't also apply these settings in domain group policy objects. For more information, see **Conflict resolution**.
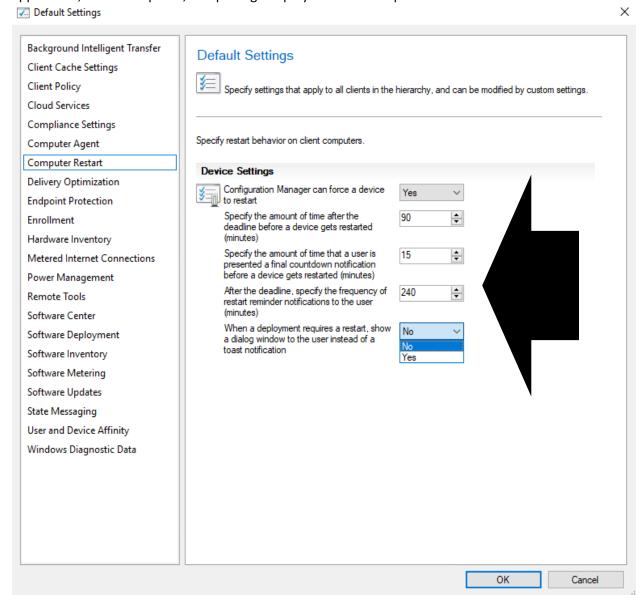
Change to diagnostic data labels

To better align with the Desktop Analytics requirements for Windows diagnostic data, these settings have new labels:

Version 2006 and later	Version 2002 and earlier
Required	Basic
Optional (limited)	Enhanced (Limited)
N/A	Enhanced
Optional	Full

10. **Real-time Management** - The following improvements have been made in CMPivot:

- CMPivot from the console and CMPivot standalone have been converged
- Run CMPivot from an individual device or multiple devices without having to select or create a collection
- From CMPivot query results, you can select an individual device or multiple devices then launch a separate CMPivot instance scoped to your selection.

11. **Install and upgrade the client on a metered connection** - Starting in this release, you can install and upgrade the client when you set the client setting Client communication on metered internet connections to Allow or Limit. With this setting, you can allow the client to stay current, but still manage the client communication on a metered network.

12. **Improvements to managing device restarts** - This setting gives you more control in unique situations. By default, the client setting Configuration Manager can force a device to restart is enabled, so Configuration Manager can still force devices to restart. This setting only applies to application, software update, and package deployments that require a restart.

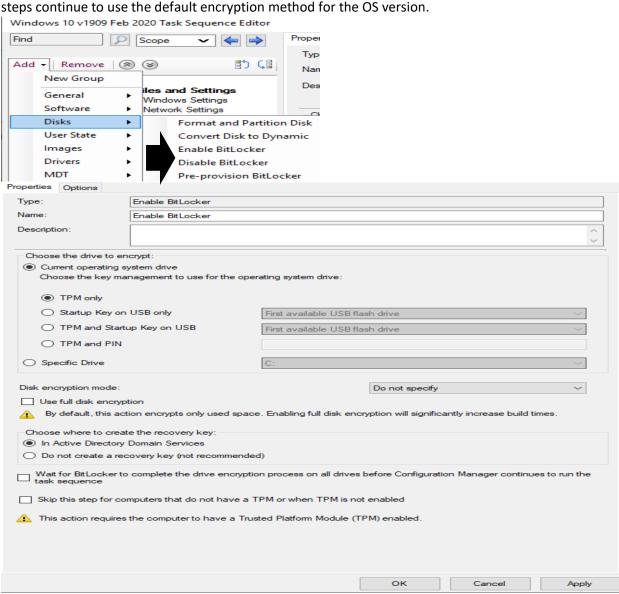13. **Improvements to available apps via CMG** -

This release fixes an issue with Software Center and Azure Active Directory (Azure AD) authentication. For a client detected as on the intranet but communicating via the cloud management gateway (CMG), previously Software Center would use Windows authentication. When it tried to get the list of user-available apps, it would fail. It now uses Azure Active Directory (Azure AD) identity for devices joined to Azure AD. These devices can be cloud-joined or hybrid-joined.

14. **Microsoft 365 Apps for enterprise** - Office 365 ProPlus was renamed to Microsoft 365 Apps for enterprise on April 21, 2020.
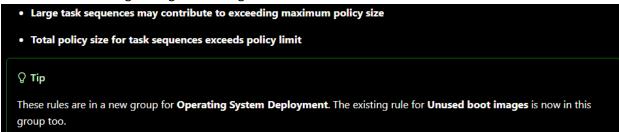
15. **Task sequence media support for cloud-based content** - Task sequence media can now download cloud-based content. For example, you send a USB key to a user at a remote office to reimage their device. Or an office that has a local PXE server, but you want devices to prioritize cloud services as much as possible. Instead of further taxing the WAN to download large OS deployment content, boot media and PXE deployments can now get content from cloud-based sources.

16. **Improvements to task sequences via CMG** - This release includes the following improvements to deploy task sequences to devices that communicate via a cloud management gateway (CMG):

   - Support for OS deployment: With a task sequence that uses a boot image to deploy an OS, you can deploy it to a device that communicates via CMG. The user needs to start the task sequence from Software Center. For more information, see Plan for CMG - Specifications.

   - This release fixes the two known issues from Configuration Manager current branch version 2002. You can now run a task sequence on a device that communicates via CMG in the following circumstances:

     - A workgroup device that you register with a bulk registration token

     - You configure the site for Enhanced HTTP and the management point is HTTP

17. **Improvements to BitLocker task sequence steps** - You can now specify the disk encryption mode on the Enable BitLocker and Pre-provision BitLocker task sequence steps. By default, the steps continue to use the default encryption method for the OS version.
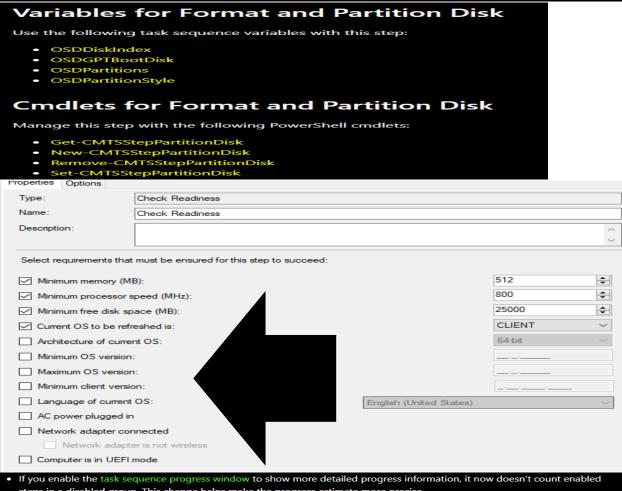
18. **Management insight rules for OS deployment** - When the size of the task sequence policy exceeds 32 MB, the client fails to process the large policy. The client then fails to run the task sequence deployment. To help you manage the policy size of task sequences, this release includes the following management insights:

- **Large task sequences may contribute to exceeding maximum policy size**

- **Total policy size for task sequences exceeds policy limit**

> 💡 **Tip**
>
> These rules are in a new group for **Operating System Deployment**. The existing rule for **Unused boot images** is now in this group too.

19. **Improvements to OS deployment** -

- Use a task sequence variable to specify the target of the Format and Partition Disk step. This new variable option supports more complex task sequences with dynamic behaviors. For example, a custom script can detect the disk and set the variable based on the hardware type. Then you can use multiple instances of this step to configure different hardware types and partitions.
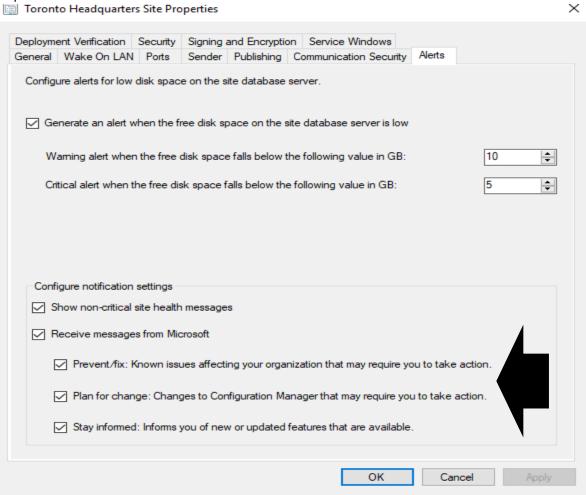
Variables for Format and Partition Disk

Use the following task sequence variables with this step:

- OSDDiskIndex
- OSDGPTBootDisk
- OSDPartitions
- OSDPartitionStyle

Cmdlets for Format and Partition Disk

Manage this step with the following PowerShell cmdlets:

- Get-CMTSStepPartitionDisk
- New-CMTSStepPartitionDisk
- Remove-CMTSStepPartitionDisk
- Set-CMTSStepPartitionDisk

Properties | **Options**

Type:	Check Readiness
Name:	Check Readiness
Description:	

Select requirements that must be ensured for this step to succeed:

- ☑ Minimum memory (MB):   512
- ☑ Minimum processor speed (MHz):   800
- ☑ Minimum free disk space (MB):   25000
- ☑ Current OS to be refreshed is: CLIENT
- ☐ Architecture of current OS: 64-bit
- ☐ Minimum OS version:
- ☐ Maximum OS version:
- ☐ Minimum client version:
- ☐ Language of current OS: English (United States)
- ☐ AC power plugged in
- ☐ Network adapter connected
   - ☐ Network adapter is not wireless
- ☐ Computer is in UEFI mode

- If you enable the task sequence progress window to show more detailed progress information, it now doesn't count enabled steps in a disabled group. This change helps make the progress estimate more precise.

- Previously, during a task sequence to upgrade a device to Windows 10, a command prompt window opened during one of the final Windows configuration phases. The window was on top of the Windows out-of-box experience (OOBE), and users could interact with it to disrupt the upgrade process. Now the SetupCompleteTemplate.cmd and SetupRollbackTemplate.cmd scripts from Configuration Manager include a change to hide this command prompt window.

- Some customers build custom task sequence interfaces using the **IProgressUI::ShowMessage** method, but it doesn't return a value for the user's response. This release adds the **IProgressUI::ShowMessageEx** method. This new method is similar to the existing method, but also includes a new integer result variable, **pResult**.

20. **CMG support for endpoint protection policies** - While the cloud management gateway (CMG) has supported endpoint protection policies, devices required access to on-premises domain controllers. Starting in this release, clients that communicate via a CMG can immediately apply endpoint protection policies without an active connection to Active Directory.
21. **BitLocker management support for hierarchies** - You can now install the BitLocker self-service portal and the administration and monitoring website at the central administration site.
22. **Community hub and GitHub** - The IT admin community has developed a wealth of knowledge over the years. Rather than reinventing items like scripts and reports from scratch, we've built a Configuration Manager Community hub where you can share with each other. By leveraging the work of others, you can save hours of work. The Community hub fosters creativity by building on others' work and having other people build on yours. GitHub already has industry-wide processes and tools built for sharing. Now, the Community hub will leverage those tools directly in the Configuration Manager console as foundational pieces for driving this new community. For the initial release, the content made available in the Community hub will be uploaded only by Microsoft.

You can easily navigate to and reference items in the Configuration Manager console Community hub node with a direct link.

23. **Notifications from Microsoft** - You can now choose to receive notifications from Microsoft in the Configuration Manager console. These notifications help you stay informed about new or updated features, changes to Configuration Manager and attached services, and issues that require action to remediate.

Toronto Headquarters Site Properties ✕

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

Configure alerts for low disk space on the site database server.

☑ Generate an alert when the free disk space on the site database server is low

  Warning alert when the free disk space falls below the following value in GB: `10`

  Critical alert when the free disk space falls below the following value in GB: `5`

Configure notification settings
☑ Show non-critical site health messages

☑ Receive messages from Microsoft

  ☑ Prevent/fix: Known issues affecting your organization that may require you to take action.

  ☑ Plan for change: Changes to Configuration Manager that may require you to take action.

  ☑ Stay informed: Informs you of new or updated features that are available.

OK | Cancel | Apply

24. **Deprecated operating systems** -

As first announced in version 1906, version 2006 drops support for the following client OS versions:

- Windows CE 7.0
- Windows 10 Mobile
- Windows 10 Mobile Enterprise

25. **Other updates** -

For more information on changes to the Windows PowerShell cmdlets for Configuration Manager, see PowerShell version 2006 release notes.

26. **Next steps** -

At this time, version 2006 is released for the early update ring. To install this update, you need to opt in.

Now we have covered all the new features in Current Branch 2006.

Thanks

Ram Lan
12th Aug 2020

Servicing Support

	2019				2020				2021				2022
	Nov	Mar	July	Nov	Mar	July	Nov	Mar	July	Nov	Mar		

1902
- Security & Critical Updates — 4 months
- Security Updates (Only) — 14 months

1906
- Security & Critical Updates — 4 months
- Security Updates (Only) — 14 months

1910
- Security & Critical Updates — 4 months
- Security Updates (Only) — 14 months

2002
- Security & Critical Updates — 4 months
- Security Updates (Only) — 14 months

2006
- Security & Critical Updates — 4 months
- Security Updates (Only) — 14 months