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Future Edition

What's New In Configuration Manager

KENT AGERLUND

CT Global

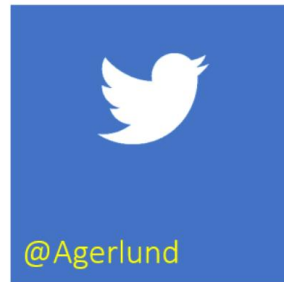Copenhagen, Denmark

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Agenda

Are you staying current with current branch?

ConfigMgr servicing a path to Modern Management?

What was added in 1706

What was added in 1710

What is included in Technical Previews

    A glimpse of what may make 1803

CONFIGMGR SUPPORT INFORMATION

Version	Availability Date	Support End Date
1706	July 31, 2017	July 31, 2018
1702	March 27, 2017	March 27, 2018
1610	November 18, 2016	November 18, 2017
1606	July 22, 2016	July 22, 2017
1602	March 11, 2016	March 11, 2017
1511	December 8, 2015	December 8, 2016
1710	November 20, 2017	May 2019

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WHAT'S NEW IN 1702

Super quick overview

New Features in 1702

- Deprecated support for:
  - Windows Server 2008 and R2 as site systems
    - Windows Server 2008 R2 still supported for earlier builds
    - Both are supported as a DP, 1702 also supports SMP on Windows Server 2008 R2
  - SQL Server 2008 R2
    - Still supported in builds prior to 1702
  - Windows XP Embedded
    - Still supported in builds prior to 1702

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New Features in 1702 (2)

- Software update point now boundary group aware!
  - No fallback configuration yet like distribution points have
- In-console search improvements
  - Shows path to objects found by search
  - Retains search text between nodes
- Provide feedback directly from the Configuration Manager Console

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New Features in 1702 (3)

- Data warehouse service point (Pre-release feature)
- Content Library Cleanup Tool
- OMS Connector for OMS Log Analytics to Azure Government cloud
- Peer cache improvements to not access peer source when:
  - Source is in low battery mode, has high CPU use, has high disk queue, or no available connections
  - Also adds three reports in "Software Distribution – Content"

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New Features in 1702 (4)

- Ability to designate, and control behavior, of 'blocking' programs when running an application deployment (Pre-release feature)
  - Can specify blockers and how to handle them in the properties of the application deployment type
- Deployment of Office 365 apps to clients from dashboard
- Support for Windows 10 Express updates
- Hardware inventory reports UEFI startup status by default
  - Can disable if you don't need the information

New Features in 1702 (5)

- Lots of OSD updates:
  - Increased application limit from nine to 99
  - Added multi-select of applications for addition
  - Additional content types supported in standalone media
  - Can set an expiration on standalone media
  - Configurable timeout for the Auto Apply Drivers step
  - Package ID displayed in task sequence steps
  - Can no longer change default boot image source path
  - Tracks Windows 10 ADK for boot image editing

New Features in 1702 (6)

- More OSD updates:
  - Restart a failed task sequence
    - Access to previous task sequence page
  - Ability to configure any task sequence as 'high risk'
  - Customizable messages to end user
  - Notification of expected download size and run time
  - Message to users for migration of apps, data and settings
  - Ability to pre-cache available content in an Upgrade Operating System task sequence (Pre-release feature)

New Features in 1702 (7)

- Lots of mobile device management updates:
  - Many new compliance settings for iOS
  - Easier targeting of Android and iOS platforms
  - Support for Android for Work
  - Ability to deploy volume purchased iOS apps to devices
  - Support for iOS VPP for Education
  - Support for multiple VPP tokens
  - Ability to deploy own LoB apps in Windows Store for Business

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New Features in 1702 (8)

- Conditional access check for 'non-compliant' MDM apps
- Can trigger an alert when at least 20% of managed clients have expired Endpoint Protection Antivirus engine versions
- Device threat monitoring
  - New dashboard, attribute in Devices view, tab on device
- Windows Hello for Business
  - Deployment of certificate profiles
  - Notifications to end users if they need to perform additional actions

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New Features in 1702 (9)

- Cool updates to the Updates and Servicing feature:
  - Accessed outside of Cloud Services
    - Root level node now
  - Only downloads most current build automatically
    - Listed as "Available for install"
    - Prior builds not downloaded, but can be if desired and listed as "Ready for download"
  - Automatic cleanup of older content
    - Works with new updates AFTER updating to 1702

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WHAT'S NEW IN 1706

New Features in 1706

- Client peer cache supports express updates for Windows 10 and Office 365
- Peer Cache no longer uses the Network Access Account to authenticate requests from peers
- Data warehouse is now a full feature
  - No longer pre-release feature as was in 1702
  - Also supports SQL Server Always on availability groups and failover clusters

New Features in 1706 (2)

- Improvements to SQL Server Always On Availability Groups
  - Support for asynchronous commit replicas
- Update reset tool
- Support for High DPI consoles
- Fallback configuration for SUPs in boundary groups
  - 1702 added SUPs to boundary groups without fallback configuration
  - 1706 adds fallback to neighboring boundary groups after 2 hours to last used SUP

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New Features in 1706 (3)

- Configuration Manager integration with Azure AD
  - New integration with a wizard to configure:
    - Cloud Management – client authentication as well as Azure AD User Discovery
    - OMS Connector
    - Upgrade Readiness
    - Windows Store for Business
- New compliance settings for Windows 10 mobile devices
- New device compliance policy rules

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New Features in 1706 (4)

- **Run PowerShell scripts directly from Configuration Manager**
  - Import scripts to ConfigMgr
    - Software Library, Scripts
  - Edit unsigned scripts in ConfigMgr Console
  - Mark as approved or denied
  - Run on collections of Windows clients
    - Don't need to deploy, they run real time
  - Monitor results in the ConfigMgr Console
    - Monitoring workspace, new node – Script Status

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New Features in 1706 (5)

- New MAM policy settings:
  - Block screen capture for Android – block screen capture for an app
  - Disable contact sync – can't save to Contacts
  - Disable printing of work or school data
- Android for Work setting for "Allow data sharing between work and personal profile" updated and includes ability to block copy/paste
- Device Guard allows trust configuration for files and folders

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New Features in 1706 (6)

- Software update improvements:
  - Reduced time to download Express Updates
  - Management of Surface driver updates
    - Must enable as a classification for the SUP configuration
    - SUP must be on Windows Server 2016
  - Windows Update for Business Policies node under Windows 10 Servicing
    - Configure deferral policies for Windows 10 Quality or Feature Updates
  - Click-to-Run user experience for Office 365 updates

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WHAT'S NEW IN 1710

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New Features in 1710

- Inventory now reports in GB instead of MB!
- Client peer cache supports no longer pre-release
- Restart clients from the ConfigMgr Console
  – Can determine those with restart pending as well as send notification to restart
- Management of Surface driver updates no longer a pre-release
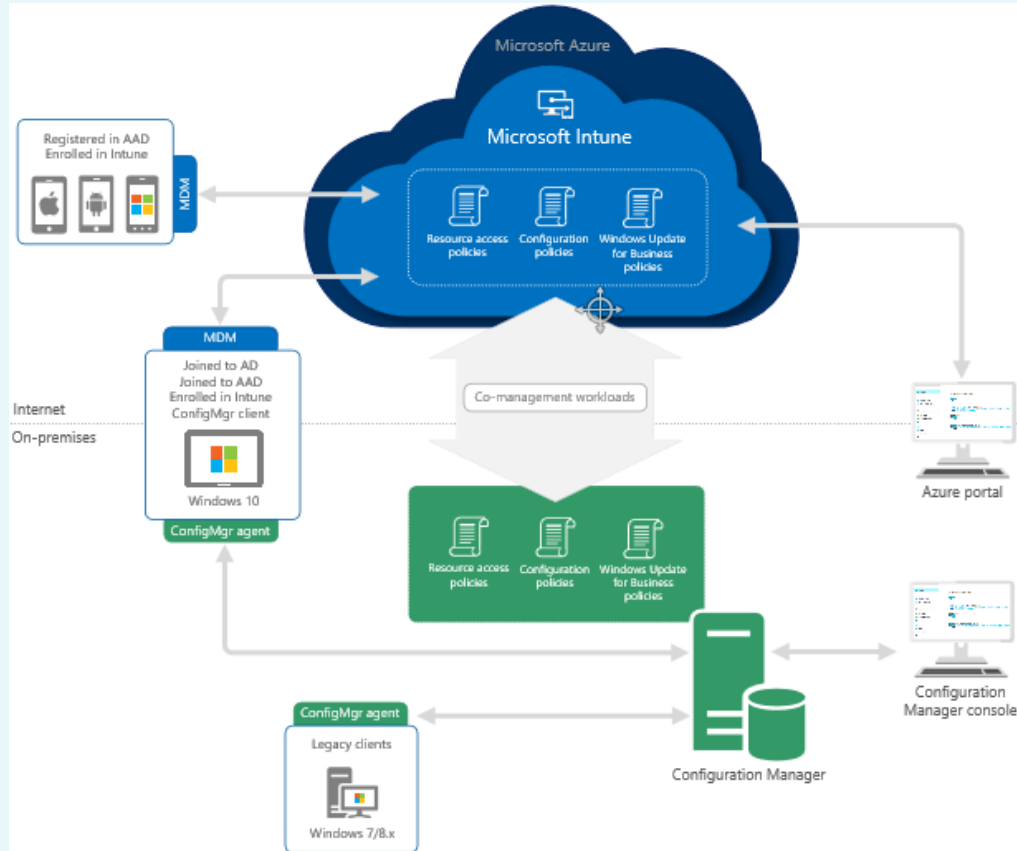
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New Features in 1710 (2)

- Co-management of devices between Intune (standalone) and Configuration Manager for Windows 10 1709
- Why Co-Management?
- Considerations/Requirements
    - ConfigMgr Client Approval
    - Azure AD Cloud Service

CO-MANAGEMENT

New Features in 1710 (3)

- MAM policy updates
  - Disable contact sync and Disable printing
- Add child task sequence step
- Customizations of Software Center:
  - No distortion of icons up to 512x512
  - Company branding
  - Hiding/enabling tabs
- Can set Windows 10 telemetry to Enhanced (Limited)
  - Defaults to Enhanced

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New Features in 1710 (4)

- Run Scripts feature updates
  - Security scope implementation
  - Real-time monitoring of script execution
  - Parameter validation, designation as mandatory or optional, and display in wizard
- Hybrid support of Windows 10 ARM64 support
- Limited support for Cryptography: Next Generation (CNG) certificates
  - PKI client authentication certificate with private key KSP

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New Features in 1710 (5)

- MDM updates:
  - Actions for non-compliance via time ordering
- Hybrid support of Windows 10 ARM64 support
- Windows Defender Exploit Guard policy creation and deployment
- Windows Defender Application Guard policy creation and deployment
- Updates to Device Guard policies

WHAT'S NEW IN TECHNICAL PREVIEWS

In other words, what we could see in future production releases

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What are Technical Previews?

- Technical Previews are pre-release builds that provide a look at new features that may get implemented in a future production release
- Technical Preview sites are NOT production sites

    – They are very limited in client count, operating systems, configuration

    – And they expire every 90 days if not kept up to date

- Features should 'move' from Technical Preview to Production when ready based on testing feedback

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Highlights From TPs 1611-1710

- OData endpoint data access using RESTful interaction
- Lots of new compliance settings for iOS devices
- Ability to bind a Google account to Android for Work
- Ability to create PFX certificate profiles with S/MIME support for user deployment
- Ability to install ConfigMgr applications from Software Center without searching for them
- Support for macOS VPN profile for Cisco (IPsec) connection types

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Highlights From TPs 1611-1710 (2)

- New capabilities for Azure AD and cloud management
  - Install the ConfigMgr client from the Internet and assign to ConfigMgr site
  - Use Intune to deploy ConfigMgr client to Internet devices
- Support for Entrust certification authorities for PFX certs to MDM clients
- Device Health Attestation assessment for conditional access compliance

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Highlights From TPs 1611-1710 (3)

- Ability to restrict enrollment of personal Android or iOS devices
  - Allow company-owned, predeclared, and Apple DEP
- Surface Device dashboard
  - Monitoring, Surface Devices
    - Percent of Surface devices
    - Percent of Surface models
    - Top five operating system versions

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Highlights From TPs 1611-1710 (4)

- Management Insights in the console
  - Applications without deployments
  - Empty collections
- Passive mode site server
  - Ability to switch from failed to 'backup' site server
  - Uses same site database (remote to both servers)
  - Syncs content library
  - Must be standalone (no other roles)
  - Must be in the same domain

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New in Technical Preview 1711

- Updates to task sequences:
  - Software Center, PXE, and media support all OSD scenarios
  - Support for the Create Prestage Content wizard
  - Deployment verification
  - Support for multiple levels of task sequences
- Allow users to interact with application
  - Respond to user prompts

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New in Technical Preview 1712

- Control upgrade of superseded applications
  - Deploy Software Wizard option
- Multi-select apps for installation in Software Center
- Client PXE support
  - Content must be in client PXE responder cache
  - Enable in Client Settings
- Silverlight no longer installed on clients automatically
- Surface Devices dashboard shows firmware versions instead of OS version

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New in Technical Preview 1712 (2)

- Office 365 Client Management dashboard displays devices from graph sections

- Configuration Manager Console displays primary user in Device list

- Configuration Manager Console displays correct collection name for renamed collections

- Windows 10 Feedback Hub supports Enterprise Management feedback

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New in Technical Preview 1712 (3)

- OSD updates:

  - In WinPE, cmtrace.exe is now default log file viewer

  - Can add boot image to the Download Package Content step

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New in Technical Preview 1801

- Task sequences support phased deployments
  - New 'deployment' action
- Dashboard for co-management
  - Monitoring, Upgrade Readiness, Co-management
- ADR evaluation supports offset from configured day
- Ability to reassign distribution point to a different site (maintain content) when reducing sites
- Hardware inventory supports new classes of 255+ characters

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New in Technical Preview 1801 (2)

- Software Center updates in Client Settings:
  - Customize button
  - Preview ability to show branding
- Unapproved applications (require approval but not granted) are hidden
- Two new settings for Windows Defender Application Guard
  - Websites can be given access to the host's virtual graphics processor
  - Downloaded files in container can be persisted

New in Technical Preview 1801 (2)

- Updates to Run Scripts feature:
  - Signed scripts cannot be copy/pasted, must be imported
  - Signed scripts cannot be edited