A safari through the Intune device management scenario jungle

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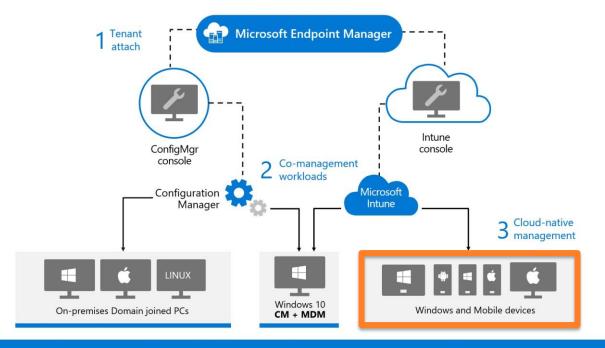


Content

- Intune basics
- MAM
- Android Enterprise
- iOS / macOS
- Windows 10
- Recent announcements



Current MEM capabilities



A unified platform including both Configuration Manager and Microsoft Intune



How to get started with Intune

- Identify use cases
- Which devices do you want to manage?
- Ownership?
- Management mode?



Prerequisites

- Licenses (EM+S E3)
- Azure AD (identities)
- Compatible devices
 - OS version
 - Hardware capabilities
 - Encryption support



Now what?

Use this account everywhere on your device

Windows will remember your account and make it easier to sign in to apps and websites. You won't have to enter your password each time you access your organization's resources. You may need to allow them to manage certain settings on your device.

 \times

Allow my organization to manage my device





Default enrollment restrictions





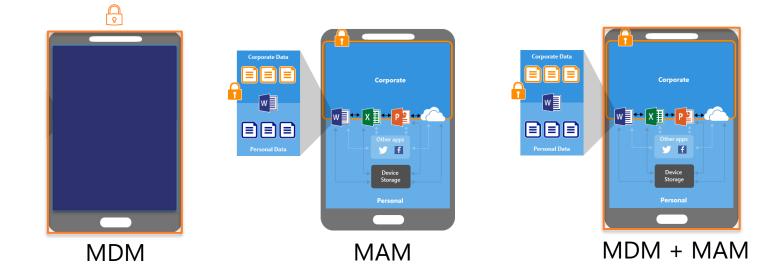
Distinguish personal / company owned?

- Register Serial / IMEI
- Use enrollment service
 - Autopilot
 - Apple automated device enrollment (DEP)
 - Google Zero Touch / Samsung Knox





Management scenarios





MAM 101

- Fully fletched DLP solution
 - Data protection
 - Access requirements
- App configurations
- Broker apps 3
- Apps need to implement Intune SDK
 - List of supported apps
 - App wrapping possible -> ⊗



Experiences from the field

- Usability vs. security
- Contact sync to native address book
- <u>about:intunehelp</u>

App Bundle ID: com.microsoft.Office.Outlook App Version: 4.56.0 (5781411) Intune SDK Version: 13.0.0 Last Attempted Policy Check-in: 28.09.20, 19:42:01 CEST Last Completed Policy Check-in: 28.09.20, 19:42:01 CEST IntuneMAMPolicySource: 2 Intune MAM Policy Settings: AccessRecheckOfflineTimeout = 720; AccessRecheckOnlineTimeout = 5; AllowedIOSModelsElseBlock = ""; AllowedIOSModelsElseWipe = ""; AppPinDisabled = 1; AppSharingFromLevel = 2; AppSharingToLevel = 1; AuthenticationEnabled = 0;ClipboardCharacterLengthException = 15: ClipboardEncryptionEnabled = 1;ClipboardSharingLevel = 2:

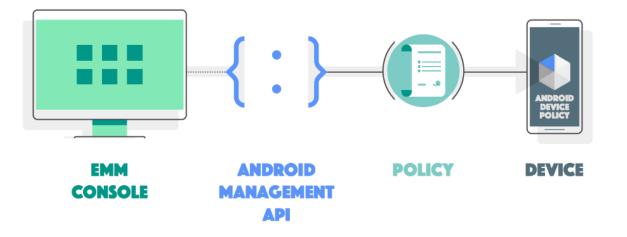


How to enforce usage of MAM?

- Conditional Access «require approved client app» <u>supported apps</u>
- Conditional Access «require app protection policy» <u>supported apps</u>
- 3rd party / LOB apps -> 😣



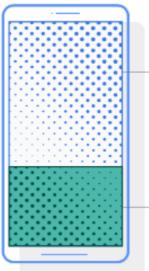
Android management 101





AE Work Profile

personal owned



Personal profile

Personal apps and personal data.

Enterprise has no access, no visibility, and limited management capabilities.

Work profile

Work apps and work data.

Enterprise has full access, full visibility, and full management capabilities within the work profile.



AE Fully Managed

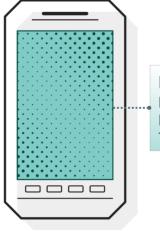
company owned







company owned



Employee facing Inventory management Field service management Transport & logistics **Customer facing** Digital signage Hospitality check-in Kiosks

more info about scenarios



Enrollment methods

Management type	Token needed	Options
Work profile	-	Company Portal
Dedicated	x (expires)	NFC, QR, Token
Fully managed	х	entry, Knox, Zero
Fully managed with work profile	x (expires)	Touch





Microsoft Launcher

- Customize Android appearance
- M365 Newsfeed
- Icons, groups, background
- For fully managed / dedicated devices
- No default browser setting ⊗
- JSON configuration

Configure Microsoft Launcher







Android OEMConfig

- Configure manufacturer specific device settings
- Requires manufacturer specific app



Apple managment 101

- MDM: APNS certificate
- VPP: App deployment
- Monitor token expiration
- (Onboard apple business/school manager)



«Work profile»

- Apple <u>User Enrollment</u> in preview
 - BYOD scenarios
 - More privacy for end users
 - Limited management capabilities
 - Dedicated container
 - User based app deployment



Managing macOS?

- Basic management capabilities ③
 - Encryption, Firewall, Gatekeeper
 - Certificates, VPN, Wi-Fi
 - App deployment, scripts
- Advanced use cases -> Jamf
 - Conditional Access integration



Automated device enrollment (ADE)

- Requires «special» ordered devices
- Federate Apple Business manager with Intune for managed apple id's
- Additional settings available
- Single app mode to force MDM enrollment



Windows 10 device states

- Azure AD Joined
- Hybrid Azure AD Joined
- On premises resource access
- Windows Hello for Business



Windows 10 management 101

- Try out Azure AD Joined devices & Autopilot
- Keep it simple & secure
- Use best of both worlds with cloud attach
- Lots of new ADMX policies



General recommendations

- Use shared mailbox for EMM accounts
- Don't mix Intune with Office 365 policies
- Asset management
- Housekeeping



Conditional Access

- Configure device compliance policies for all your supported platforms
- Block enrollment of platforms you're not supporting
 Grant access

Require multi-factor authentication 🛈

Require device to be marked as compliant i



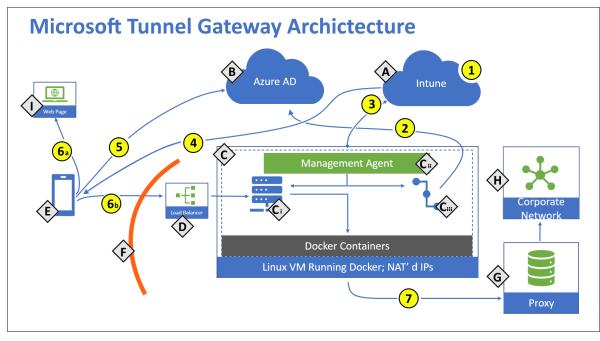
Recent announcements (Ignite)

- Microsoft Tunnel (preview)
- Endpoint Analytics GA
- Group policy migration (preview)
- Defender Antivirus reports (preview)
- Advanced Autopilot troubleshooting (Q4)
- WVD management (Q4)



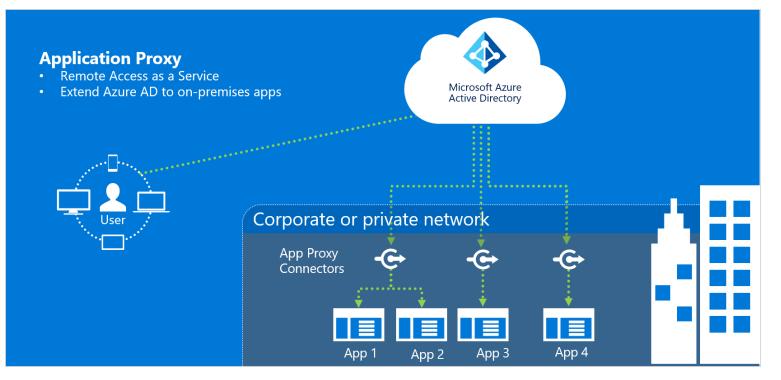
Microsoft Tunnel

«Microsoft Tunnel is a VPN gateway solution for Microsoft Intune.»





Microsoft Tunnel – WHAT?



Experts Live Switzerland

Endpoint analytics

Startup score (i) Meeting goals Baseline (j) Startup score 50 89 Score breakdown Metric Score/Baseline 83 Core boot score (i) 96 Core sign-in score (i)

Model ↑↓	Manufacturer ↑↓	Disk type \uparrow_\downarrow	Device count $\uparrow \downarrow$	Core boot time (seconds) $~\uparrow\downarrow$	Core sign-in time (seconds) $~\uparrow\downarrow~$
Latitude 7400 2-in-1	Dell Inc.	SSD	60	21	11
HP EliteDesk 705 G4 DM 65W	HP	SSD	45	17	13



Group Policy analytics

Group policy migration readiness



Upload summary

10 Group Policy objects (with detected settings)

425 settings



Thank you!



https://tech.nicolonsky.ch/events



