Microsoft

DICKER DATA

Microsoft Security Labs

Microsoft Modern Work Team

Dicker Data

March 2024

Notable information

Demo labs via your MPN (cdx.transform.Microsoft.com)
Contact: microsoft.presales@dickerdata.com.au

We are recording the session – We will share a link to the recording AFTER the event – you cannot download it directly from Teams.

Series Agenda

~~Part 1 (Tuesday, 27th February)~~

- Security Foundations
- Identity Security
- Email Protection
- Defender for Business

Part 2 (Today, 5th March)

- Autopilot
- Intune & Security
- Endpoint Management

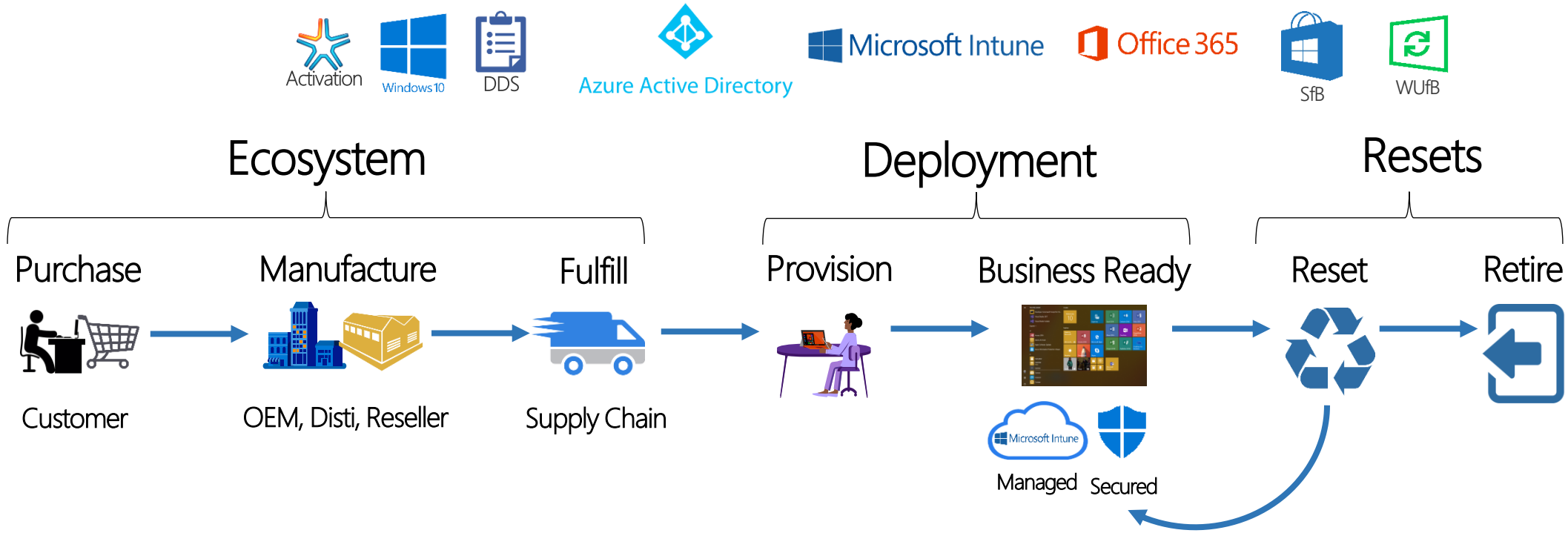
Part 3 (Tuesday, 12th March)

- Information Governance
- Purview
- Introduction to Copilot for Microsoft 365
- Copilot Readiness

Autopilot, Intune & Security

Entra ID Join

- Entra ID Registered vs Joined
- MDM Only
- Hybrid Join – Should you use it?
- Brief Demonstration



Autopilot delivers zero touch **deployment & reset** experiences powered by Microsoft 365

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Why Autopilot?

- Reduce the time IT spends on deploying, managing & retiring devices
- 4-hours saved per device
- 67% reduction in support calls
- 62% of IT admins - less effort managing Surface devices
- Reduce the infrastructure required to maintain the devices
- Maximize ease of use for all types of end user
- Empower resources to innovate and add value

What is Autopilot pre-provisioned deployment

- Device is intercepted by distribution or partner
- Unboxed and OOBE is executed
- Configuration deployed
- Includes all apps, security, patching
- Re-boxed, shipped to user – can include asset tagging, keyboard, mouse etc.
- Ready to use, fully provisioned!

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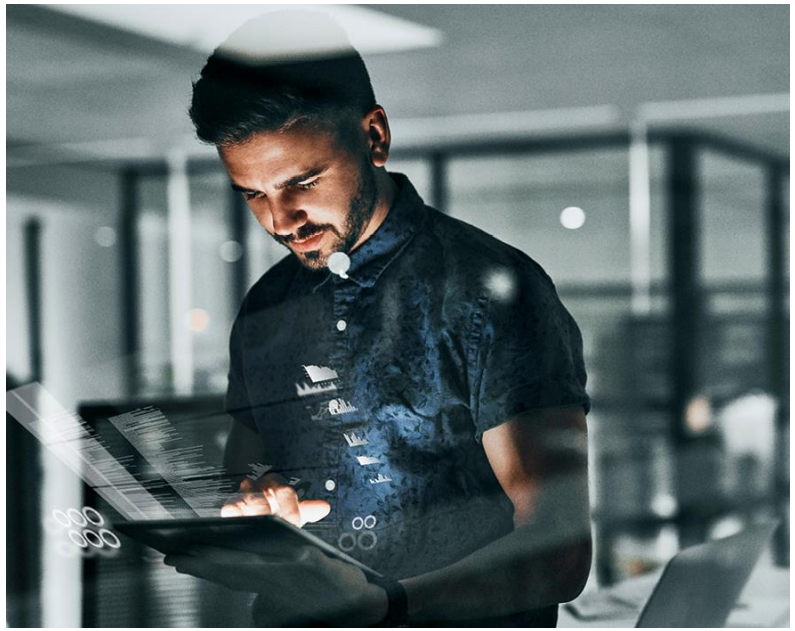


Why Dicker Data?

- Free 24 x 7 x 365 support
- We do the heavy lifting including White Glove/pre-provisioned deployment
- Standard, Advanced and Custom Autopilot services
- Seamless Autopilot integration using the Dicker Data portal
- Device as a Service for full lifecycle management

Summary

1. Intune is cloud Mobile Device Management (MDM & MAM)
2. To use Intune, devices need to be enrolled
3. Devices can be enrolled via GPO, a script, Azure AD or by adding a work or school account to the device settings
4. Autopilot is automated provisioning of the OS, apps and configuration
5. Autopilot also enrolls a device in Intune via Azure AD Join and it uses Intune for apps and configuration deployment

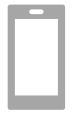
Autopilot Administrative Experience

Intune Enrollment Methods

Bulk Enrollment

Windows Enrollment

Apple Enrollment



Android Enrollment

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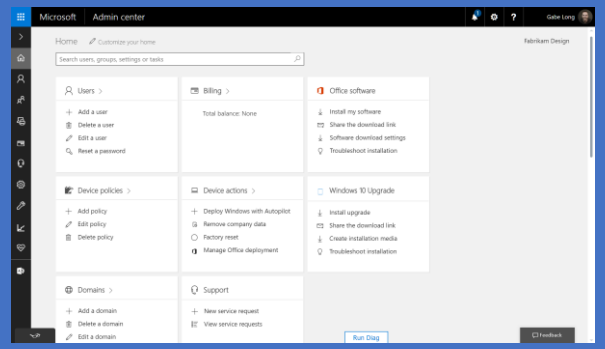
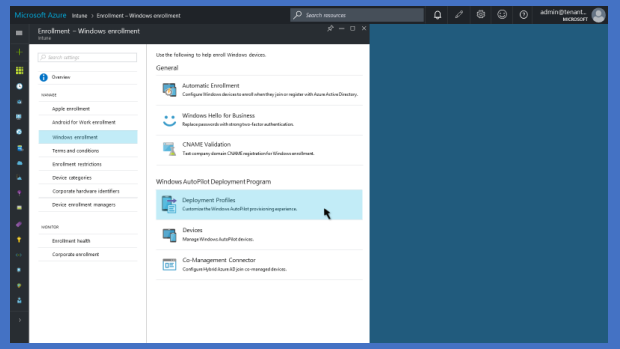
Bulk Enrollment

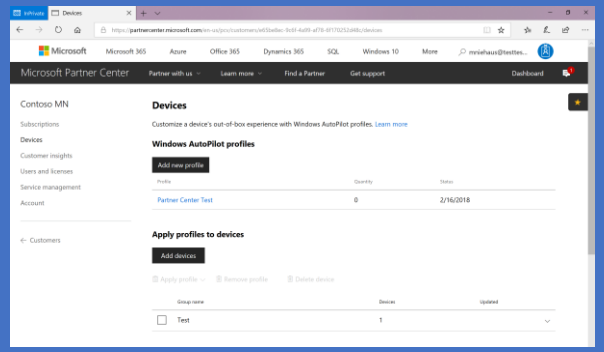
Admin Center



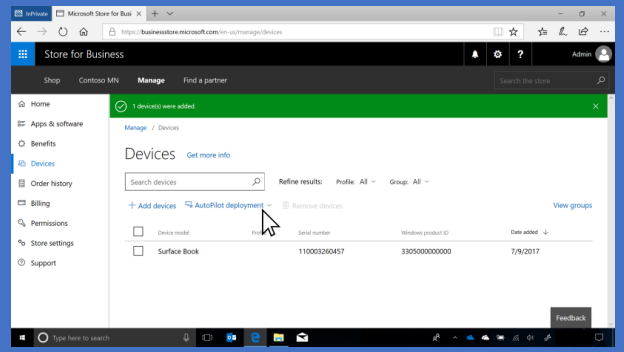
Microsoft Intune



Partner Center



Microsoft Store for Business



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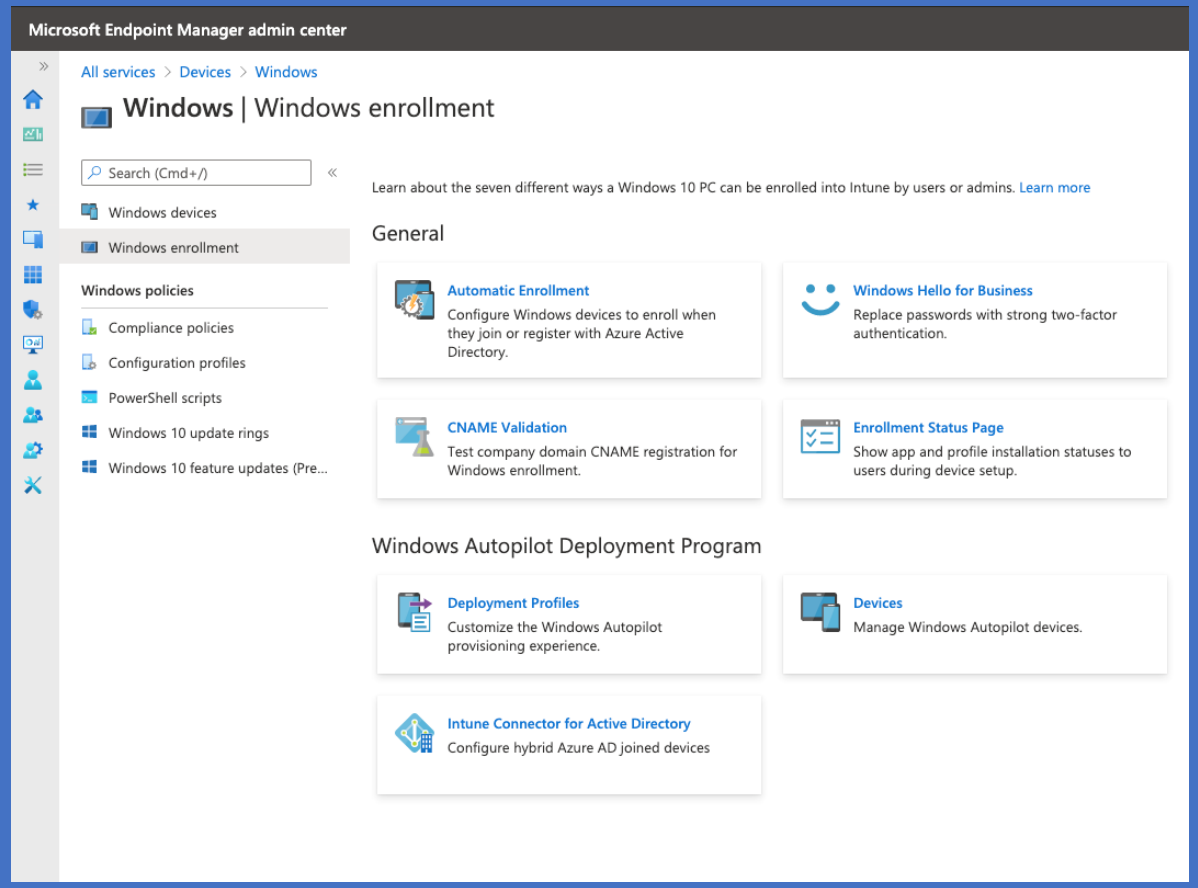
Bulk Enrollment CSV and Barcode

Device Serial Number	Windows Product ID	Hardware Hash
1478271758	3.40629E+12	ADiUQbLG97Sqq6po1lt3LiT/ivdsH6ICv+NfteXYQ06PfM6/uZPKCd5gCPQOLYJMZ1c48FRucT+nYKZeUnoqelvNyDqSbRBdx
1478271759	3.40629E+12	BDiUQbLG97Sqq6po1lt3LiT/ivdsH6ICv+NfteXYQ06PfM6/uZPKCd5gCPQOLYJMZ1c48FRucT+nYKZeUnoqelvNyDqSbRBdx
1478271760	3.40629E+12	CDiUQbLG97Sqq6po1lt3LiT/ivdsH6ICv+NfteXYQ06PfM6/uZPKCd5gCPQOLYJMZ1c48FRucT+nYKZeUnoqelvNyDqSbRBdx

Enroll Devices



- Bulk Enrolment CSV file format
- PO number or unique name
- Related Device Group
- Admin Center is the recommended method
- Registration Permissions
- Dicker Data Portal

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Mobile Device Provisioning

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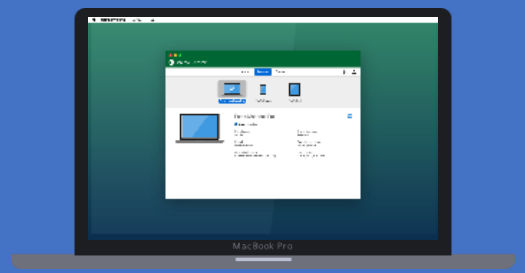
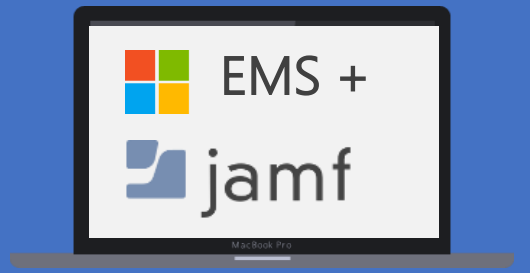
Apple iOS

Device Enrollment Program
Apple School Manager
Apple Business Manager
Supervised Mode
Intune APP managed



MacOS

Deploying cert and settings
Zero-touch (DEP)
Conditional access
Device wipe, encryption



MacOS
(with Jamf)

Intune MDM features +
Extensive inventory
Scripting support
Depth of security controls
Self-service controls

Android

Android Enterprise (ZTE)
Samsung Knox (KME)
Kiosk mode
Work Profiles
Intune APP managed

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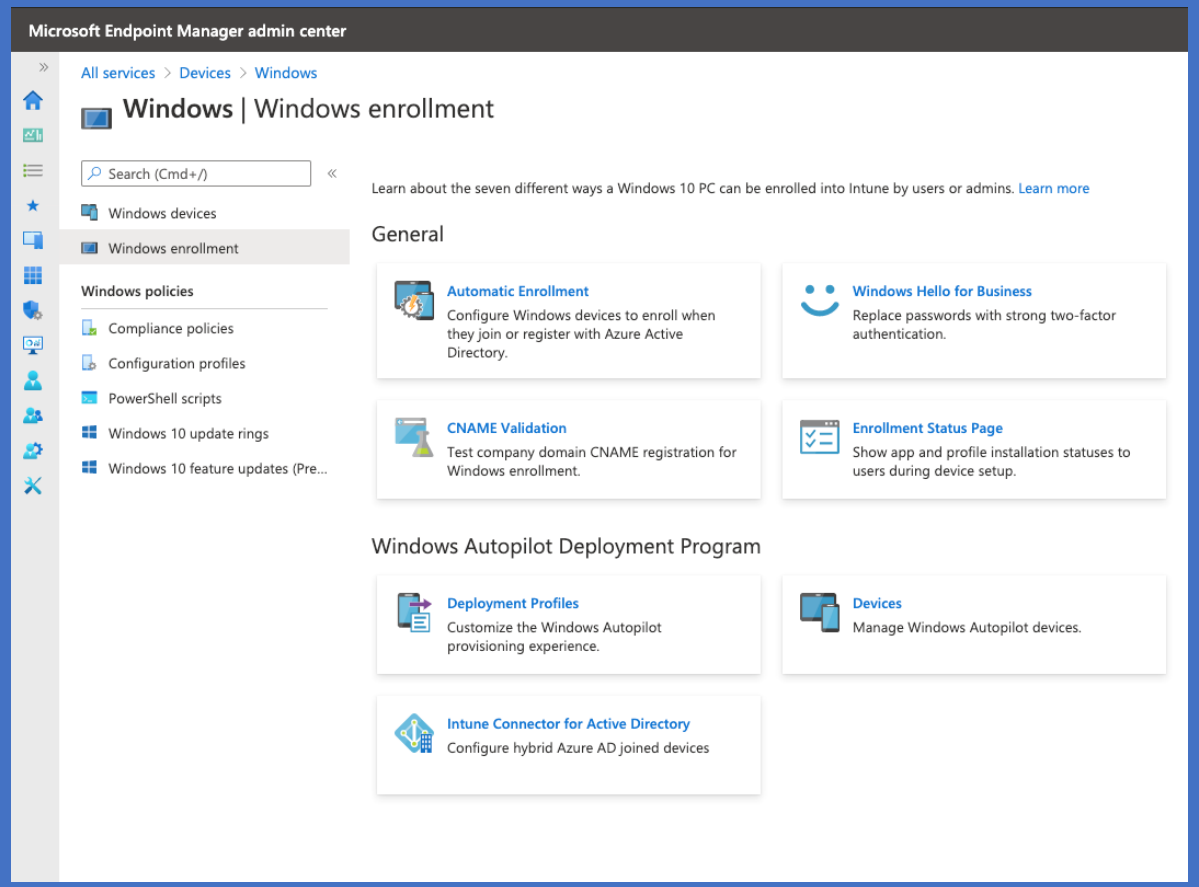
5 Simple Steps



1. Enable enrollment
2. Check DNS
3. Create a profile
4. Assign to Entra ID Device Group
5. Enrollment Status Page

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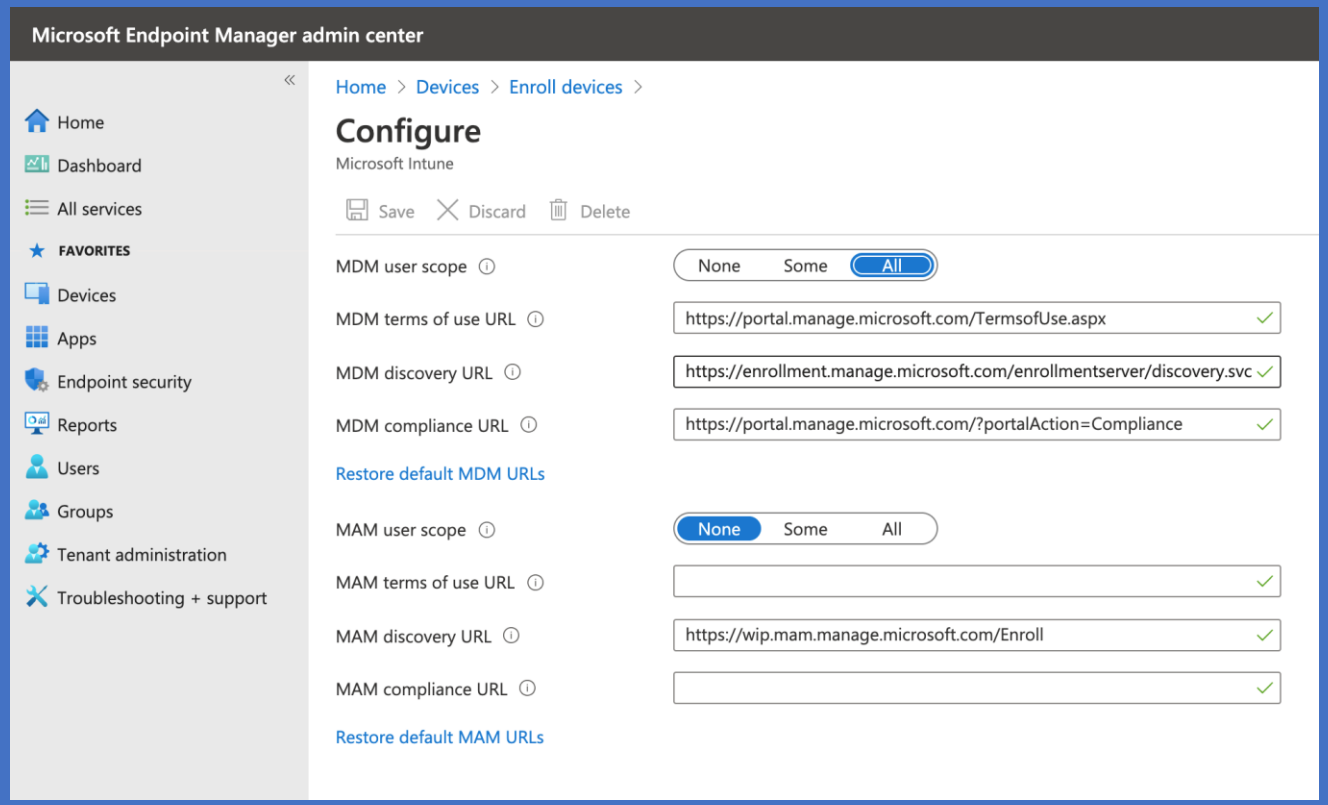
Step 1 – Enable Automatic Enrollment



- MDM User Scope
- MAM vs MDM precedence for BYoD
- MDM for Corporate
  - Autopilot
  - Group Policy
  - User is a Device Enrolment Manager
  - Bulk Enrolment

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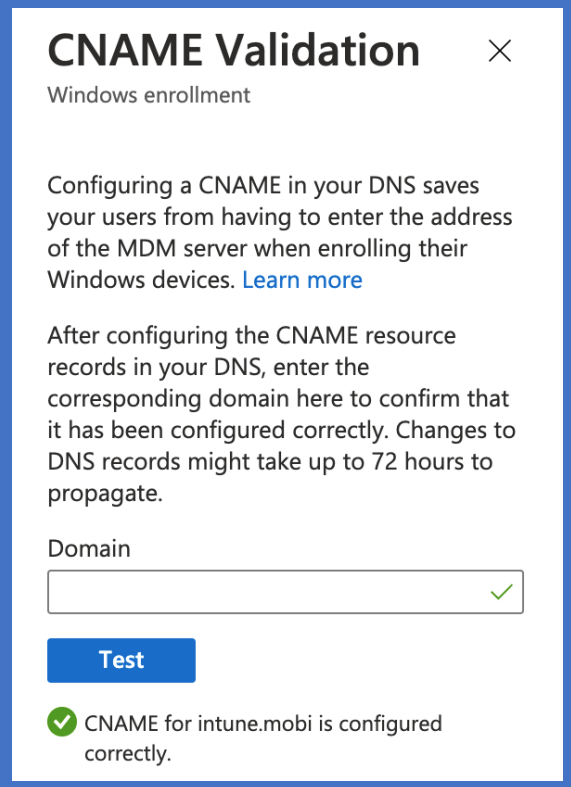
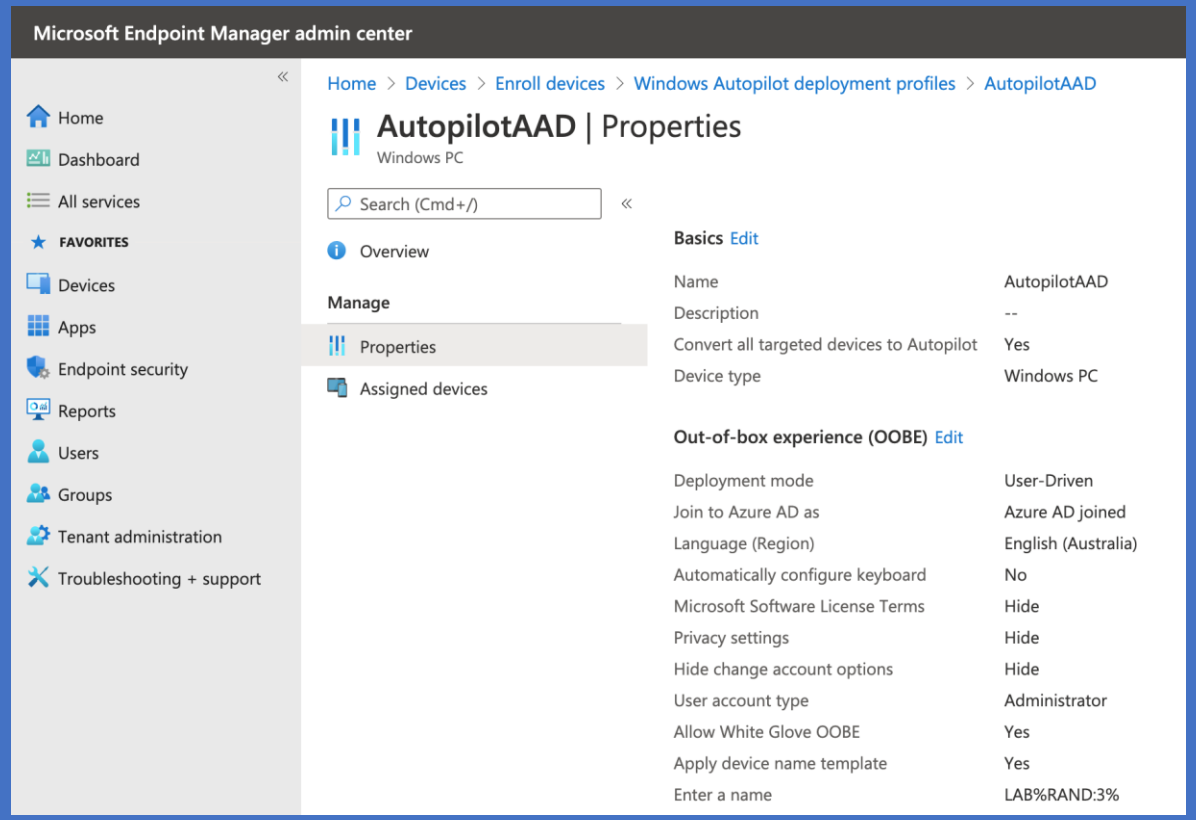
Step 2 – Check DNS



- DNS records are optional records during custom domain setup
- Can be configured at any time
- Refer to the domain registrar or DNS authority

enterpriseenrollment	CNAME	1h	enterpriseenrollment.manage.microsoft.com.
enterpriseregistration	CNAME	1h	enterpriseregistration.windows.net.

Step 3 – Enable Enrollment Profile



- User vs Self-deploying
- Convert all target devices to Autopilot
- Hybrid vs EID Joined
- User type
- Allow Autopilot
- Naming template
- Device Group Assignment

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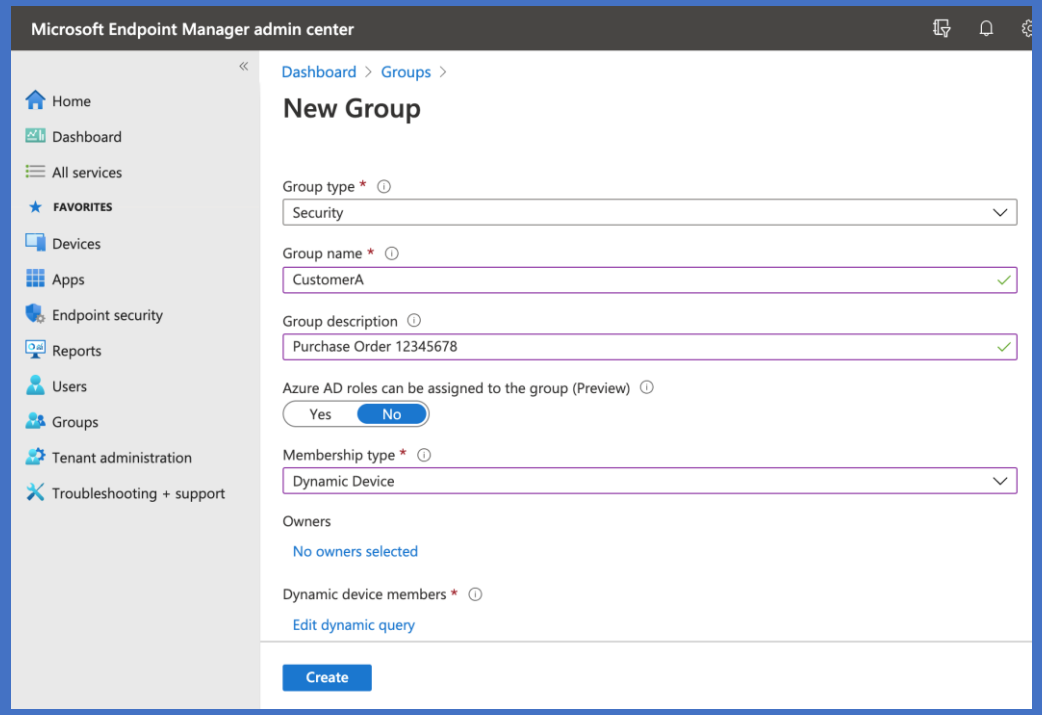
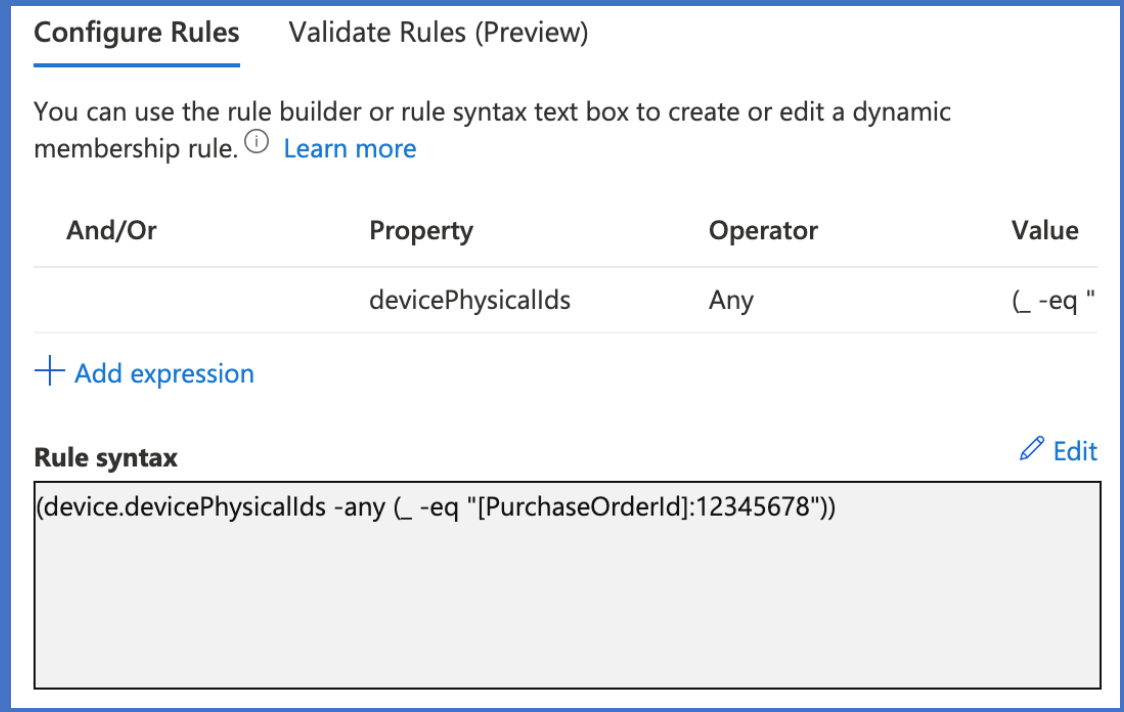
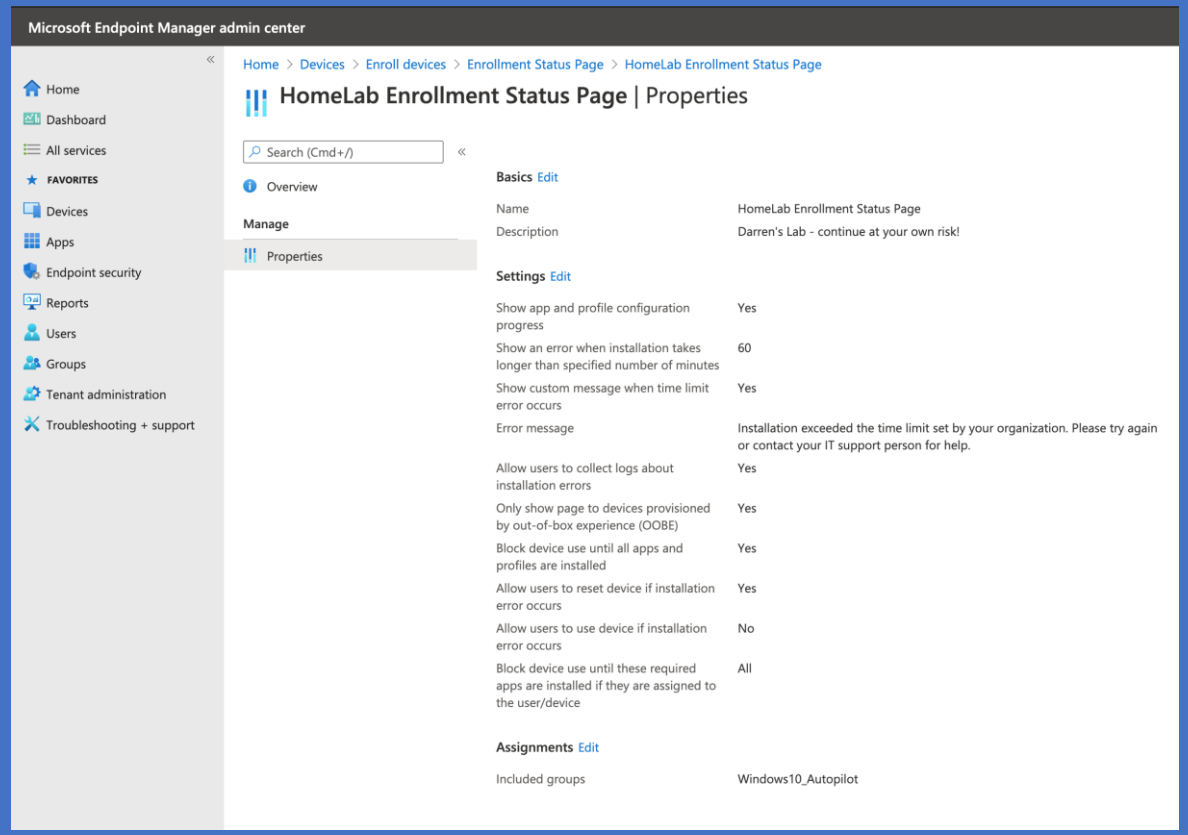
Step 4 – Create Device Group





Step 5 – Enrolment Status Page



- Show app and profile configuration progress
- Block until device and user are configured
- Control behaviour with timeouts, error messages, recovery options

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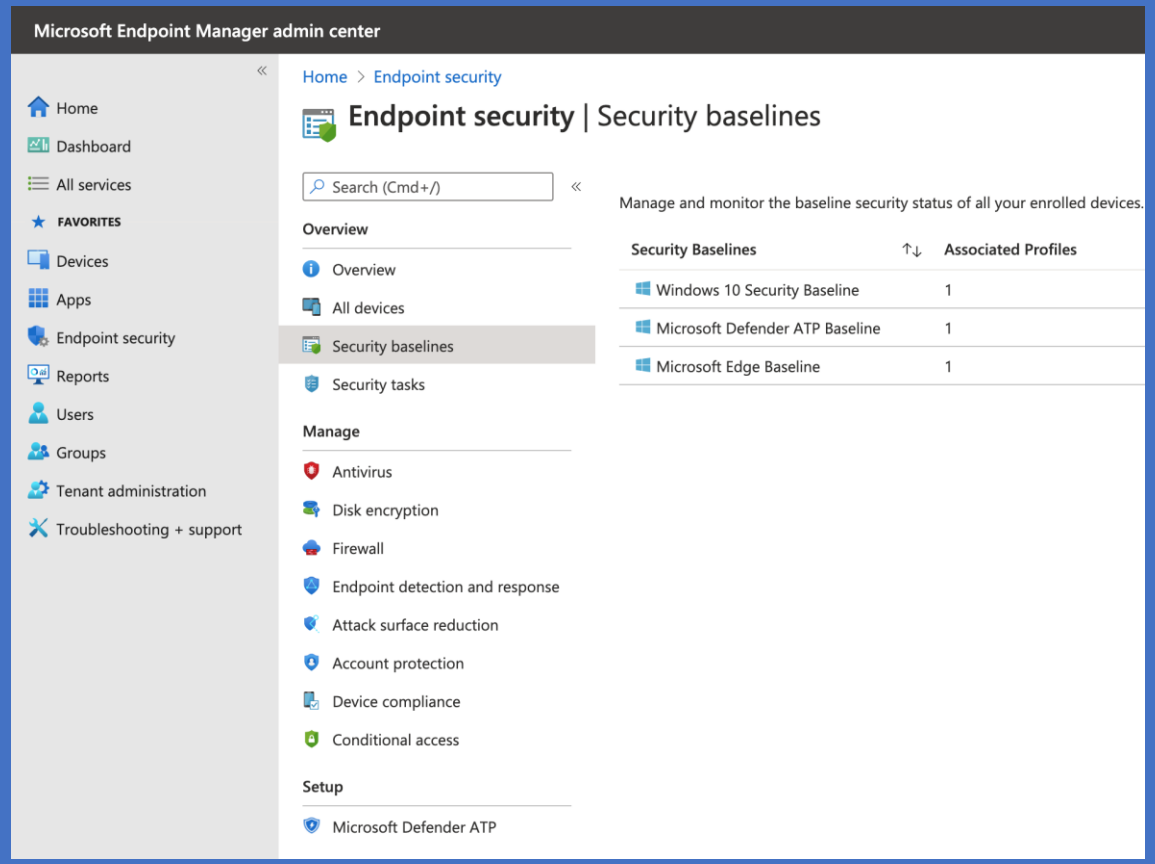
Configuration and Security Profiles



- Configuration policies
- Security baselines
- Attack Surface Reduction
- Conditional Access
- Compliance

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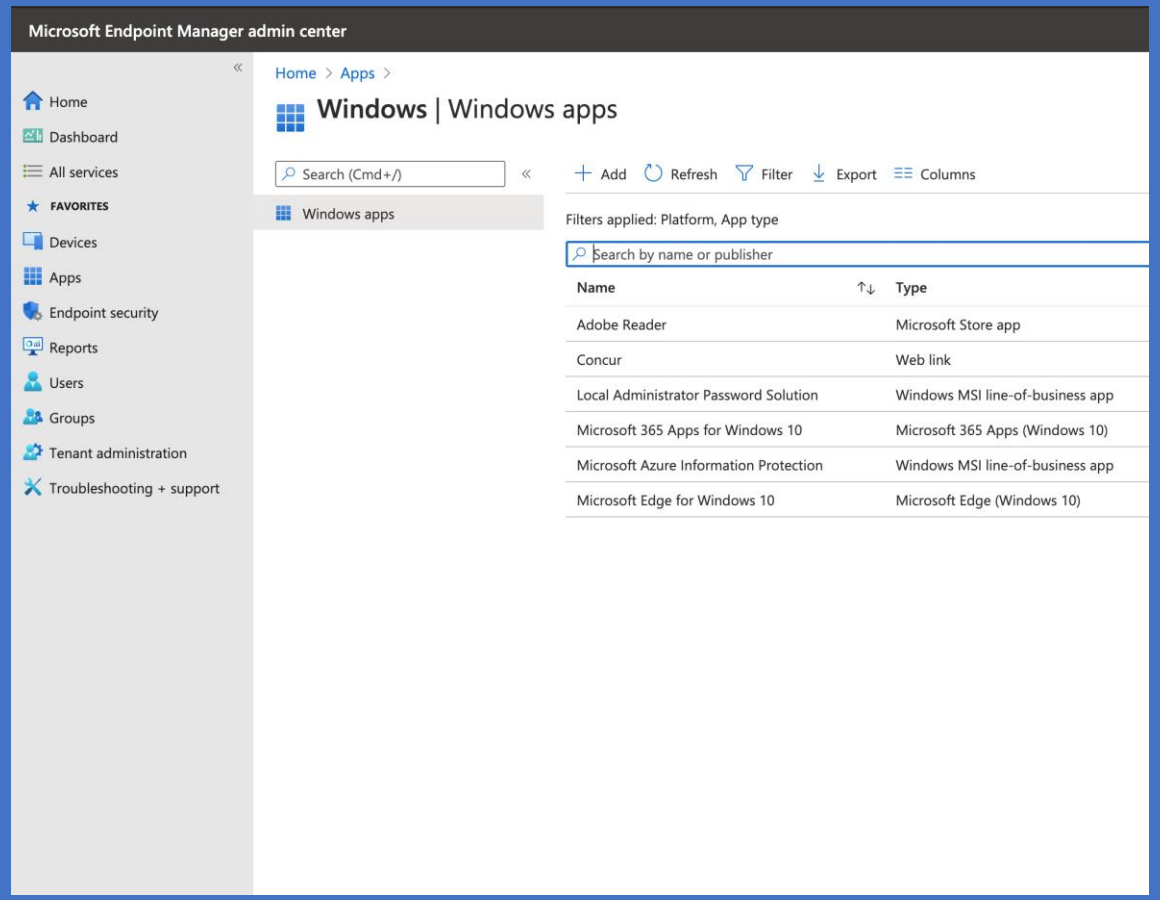
Deploy Applications



- Quickly and easily deploy apps
- Windows (Store, Win32, Web links and Line of Business MSI)
- iOS
- Android
- MacOS
- Including App Protection Policies

5 Minute break

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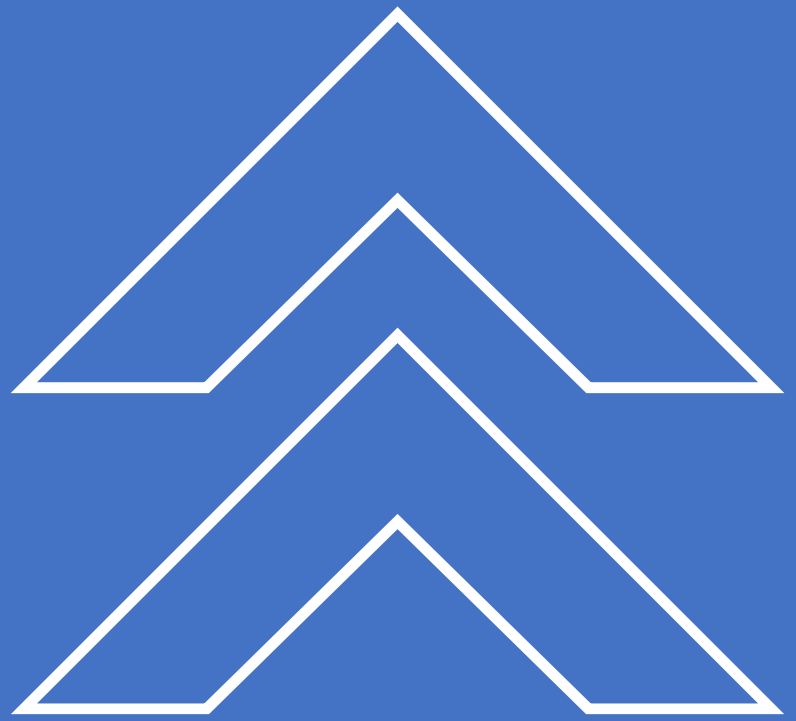
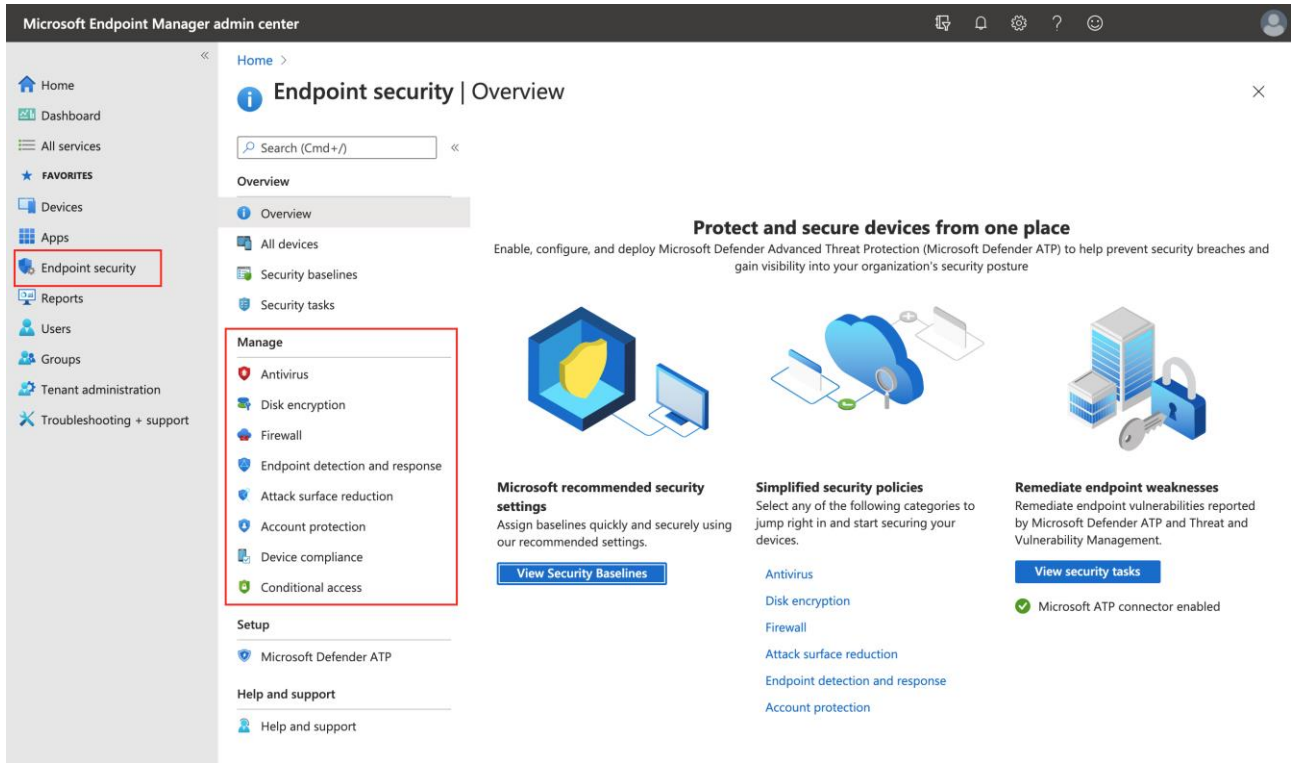
Intune & Security

What is Intune?

- 100% cloud-based Mobile Device and Application Management (MDM & MAM)
- App and Data protection
- Android, Android Enterprise, iOS/iPadOS, MacOS, and Windows
- Integrates with other services, including Entra ID, mobile threat defenders, ADMX templates, Win32 and custom LOB apps, and more.



Best practice security, at your fingertips



- Minimal and consistent interface reduces complexity and collates related configuration
- Baseline policies will capture 95%+ of your requirements
- Defender for Endpoints includes Recommended Configuration and more

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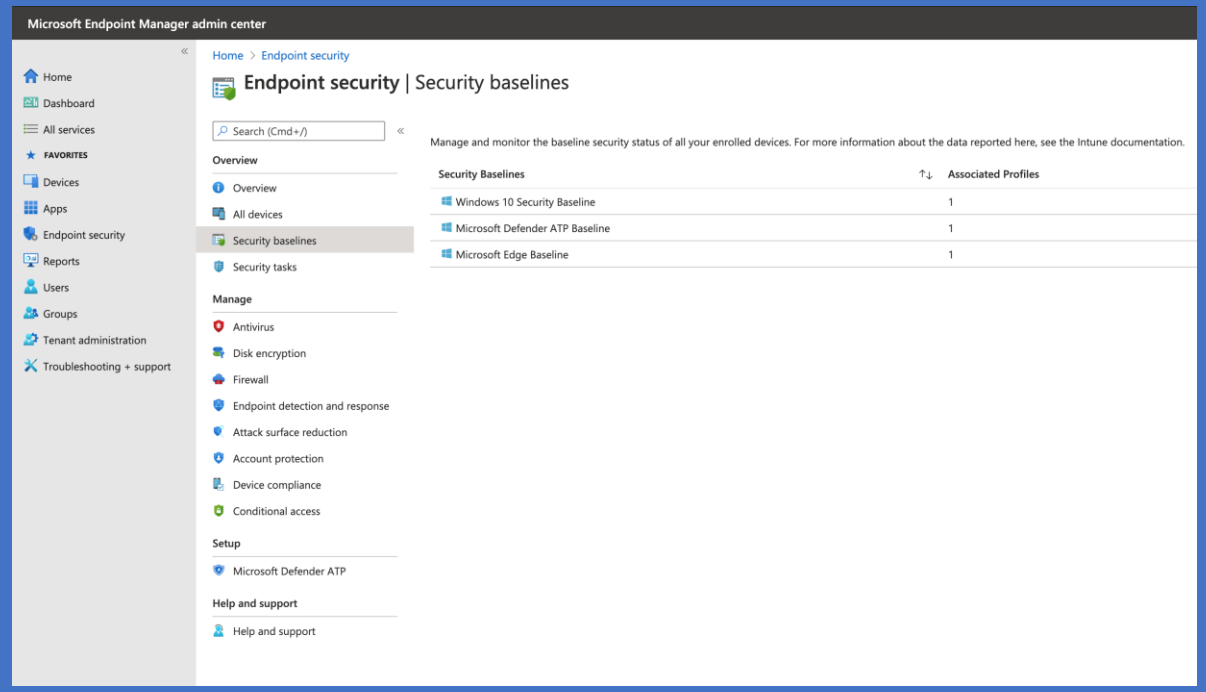
Microsoft Security Baselines & Attack Surface Reduction



- Microsoft recommended configurations
- Updated periodically to defend against new threats
- Combined with Attack Surface Reduction rules
- Office 365 baseline coming soon
- Familiarity and testing are paramount

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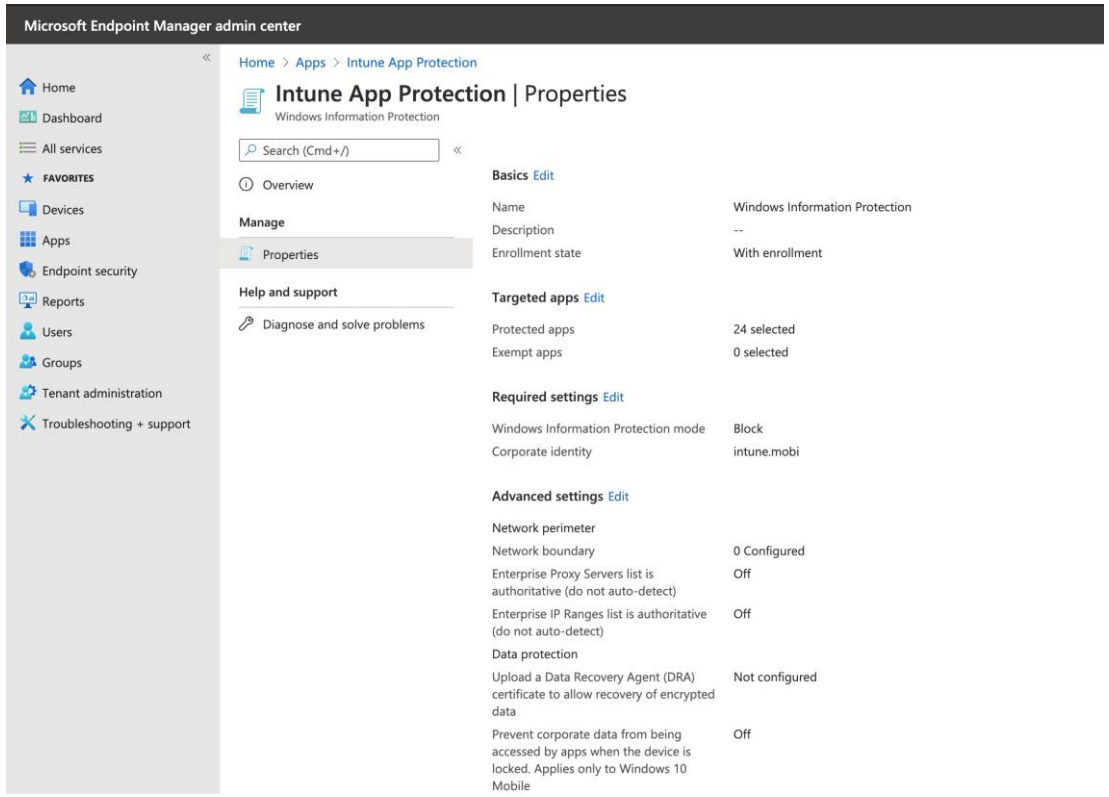
Application Protection and Control



- Define sanctioned applications – Defender Application Control (aka AppLocker)
- Unsanctioned applications cannot be executed, including installers – even for administrators!
- Control the applications that can interact with company data
- Protect storing of corporate data

App Protection Policies (APP)

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Multi-identity awareness

Targets corporate accounts, not personal and unmanaged

Conditional launch

Device health
OS version
App version/SDK
Device model or manufacturer

Access requirements

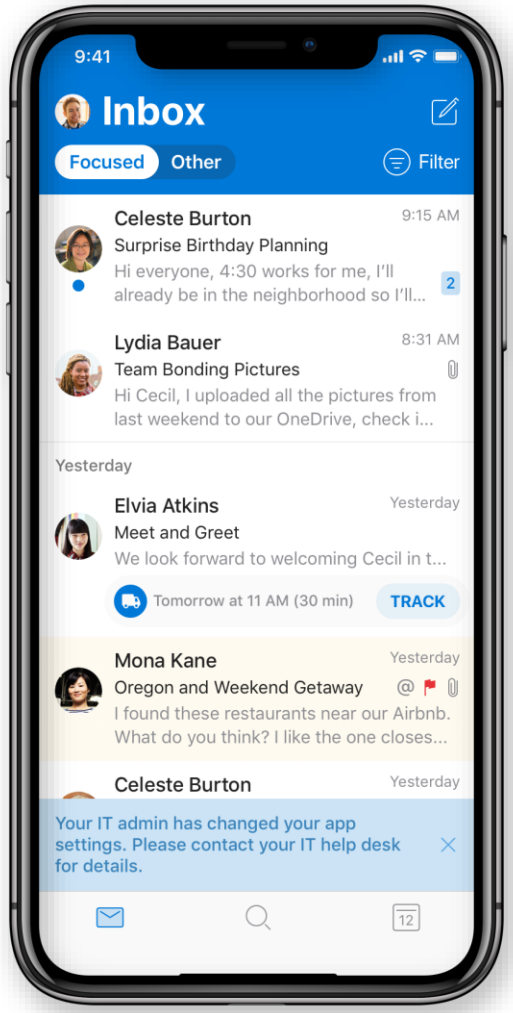
PIN
Biometrics
Credentials
Inactivity timers

Data protection

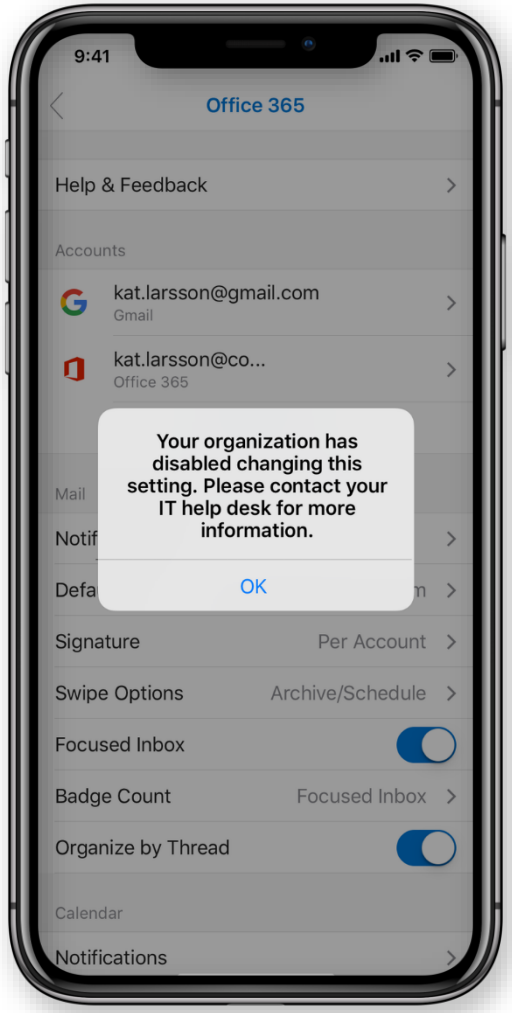
Between apps
Encryption
Transfer web data
Selective wipe

General App Configuration Policy settings

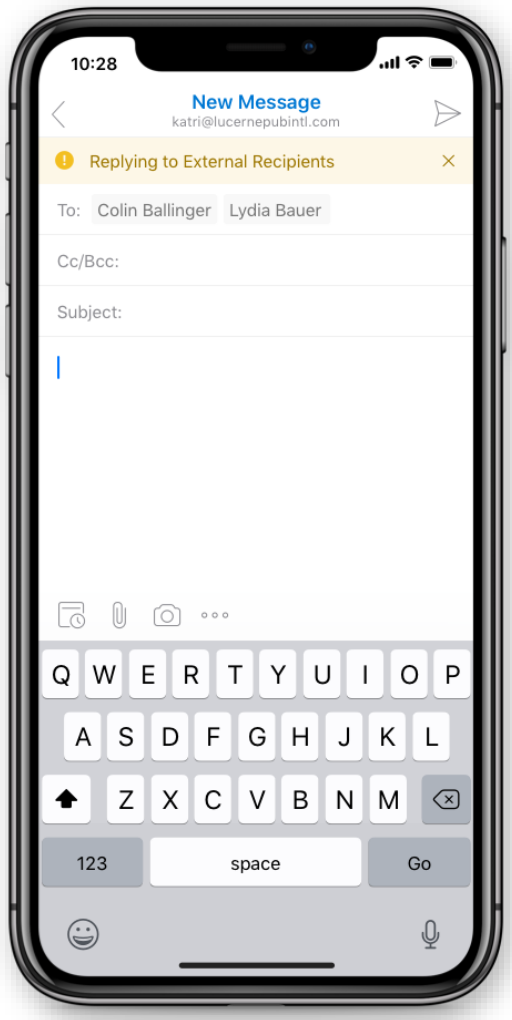
Focused Inbox



Contact Sync



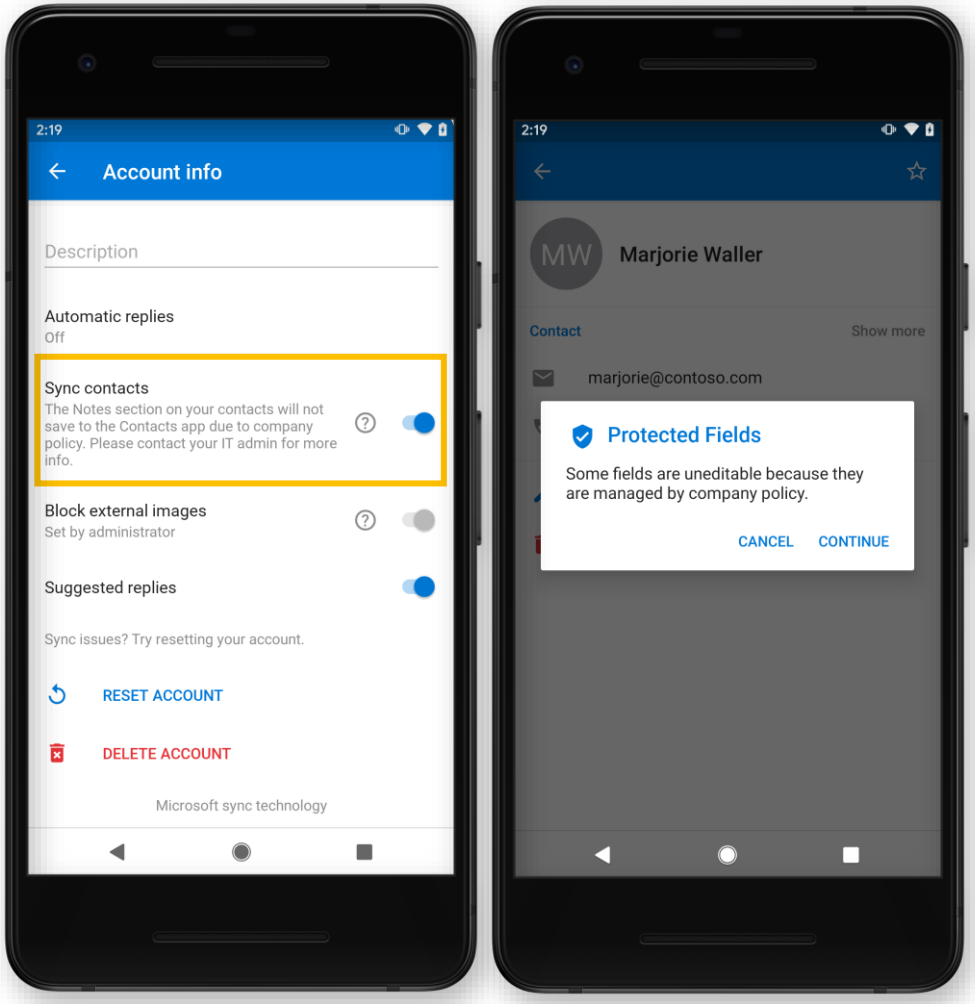
MailTips



http://aka.ms/omappconfig

Data Protection App Configuration Policy settings

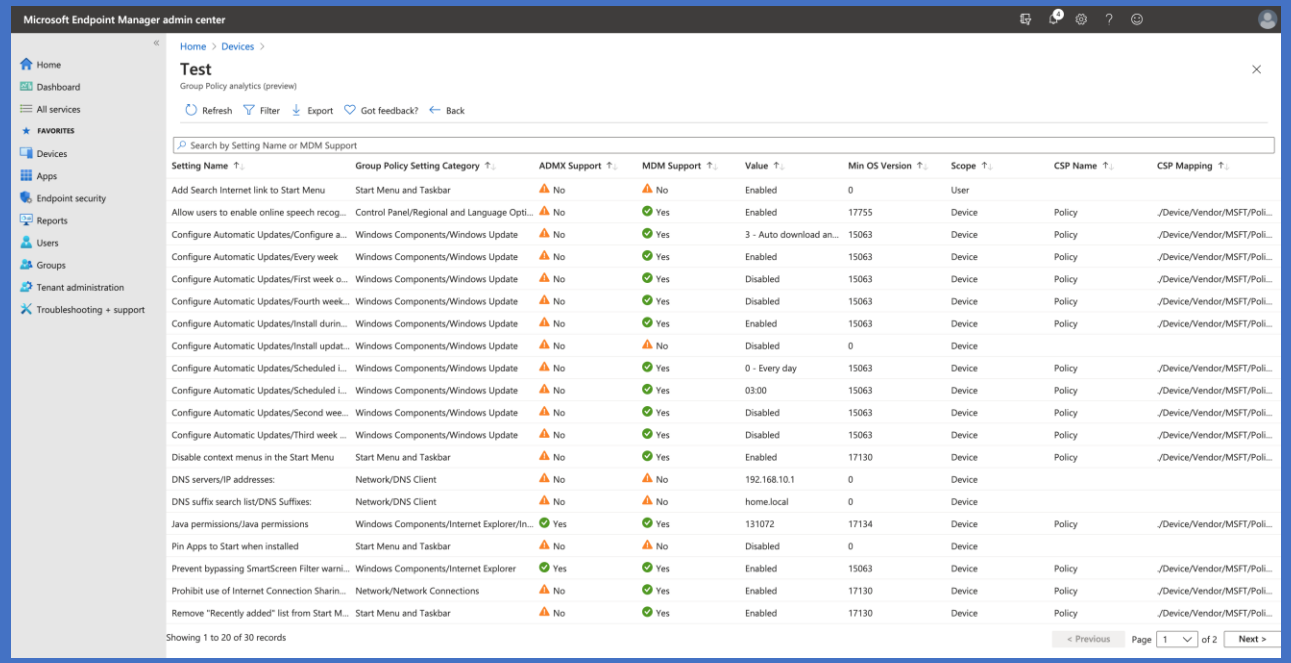
Limit Contact field export properties



Block wearables

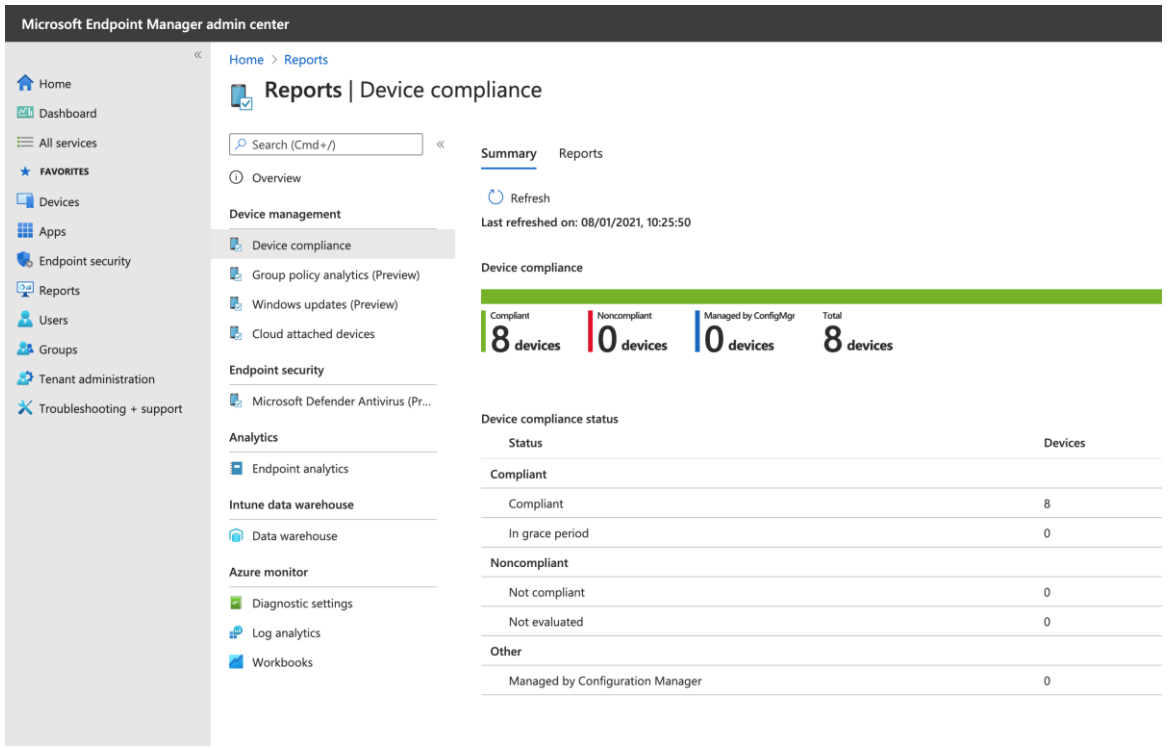
User experience

Group Policy Analytics



- Analyze existing Group Policies
- The service directs you to the precise related configuration item in Intune
- CSP – Configuration Service Provider is the Intune equivalent of a Group Policy
- Custom CSPs can be created where required

Compliance in a click



- Quickly and easily see device compliance
- Conditional Access policies based on device health or security risk posture
- Risk based compliance and Conditional Access via Defender for Endpoint
- Require Windows 10 minimum version, firewall, anti-virus, real-time protection

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Azure AD Join Device Demonstration


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Thank you
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MARCH 2024

Resources

The following resources are supplied to aid in learning about Endpoint Manager (Intune and Autopilot) as part of the Dicker Data Centre of Excellence (COE)

Autopilot FAQ
https://docs.microsoft.com/en-us/mem/autopilot/autopilot-faq

Autopilot Overview including How-to Guides
https://docs.microsoft.com/en-us/mem/autopilot/windows-autopilot

Autopilot Specific Documentation
https://docs.microsoft.com/en-us/mem/autopilot/enrollment-autopilot

Intune Documentation
https://docs.microsoft.com/en-us/mem/intune/

Video Enablement (highly recommended) - The Steve and Adam Show – covers everything Intune!
https://www.youtube.com/watch?v=OkeUN-tdfqs

Official (free & paid) Microsoft MS-102 Learning Paths and certification information
https://learn.microsoft.com/en-us/credentials/certifications/exams/ms-102/

Microsoft MS-102 Exam Reference Book (including Kindle for ~$55 AUD).
The structure of this book is excellent and will be used to provide the structure in the MS-102 exam preparation COE enablement sessions
https://www.amazon.com.au/Exam-Ref-MS-102-Microsoft-Administrator/dp/0138199469

M365 for Partners Training Resources
https://www.microsoft.com/microsoft-365/partners/training?filters=sales-fundamentals