

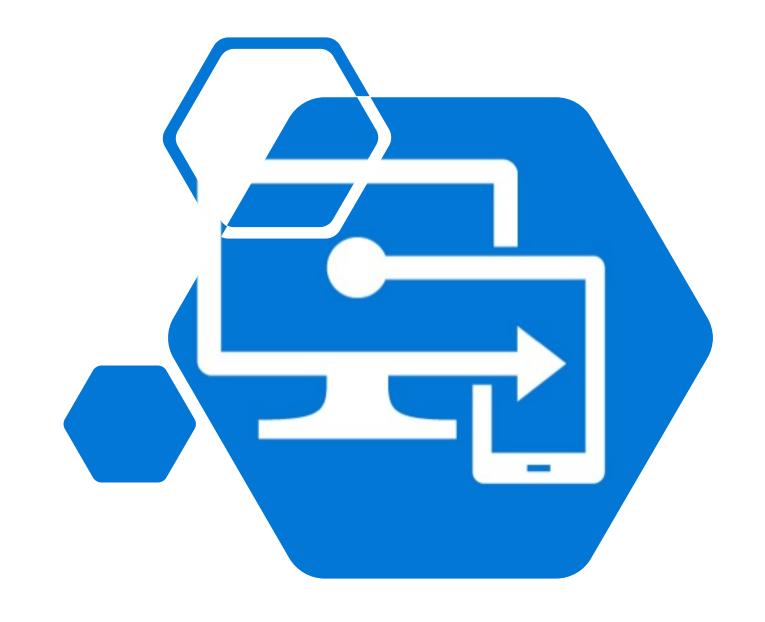
macOS

Mac Sys Admin 2021

Managing macOS with Intune

Agenda

- Enrolment
- Applications
- Configuration
- Scripting
- Roadmap



Enrolment and Compliance

Intune Enrolment 101 | User Driven

- Requires macOS 10.14*
 - Same as Office 2019 for Mac
- Driven by Intune Company Portal
 - aka.ms/enrollmymac
- User must be local admin to install and enrol
- Company Portal now Universal



^{*}Once macOS 12 is GA Intune minimum supported macOS version will change to 10.15 from 10.13

Intune Enrolment 101 | ADE

- Apple Automated Device Enrolment Program
 - Company Portal required if Conditional Access is in use
 - Can be deployed via script agent
 - User must sign-in to create workplace join record
 - Supports modern authentication against Azure Active Directory
- Limits
 - 2,000 ADE tokens per Intune tenant
 - 1,000 ADE profiles per token
 - 200,000 devices per token
 - Approx. 3,000 devices sync'd per minute

Management Settings Edit

User Affinity & Authentication Method

User affinity Yes

Authentication Method Setup Assistant with modern authentication

Management Options

Locked enrollment Yes

Setup Assistant Edit

Department Numberwang IT

Department Phone 1234567

Setup Assistant Screens

Location Services Hide

Restore Hide

Apple ID Show

Terms and conditions Hide

Touch ID Hide

Apple Pay Hide

Siri Hide

Diagnostics Data Hide

FileVault Hide

iCloud Diagnostics Hide

iCloud Storage Hide

Display Tone Hide

Appearance Hide Registration Hide

Screen Time Hide

Privacy Hide

Accessibility Hide

Intune Compliance

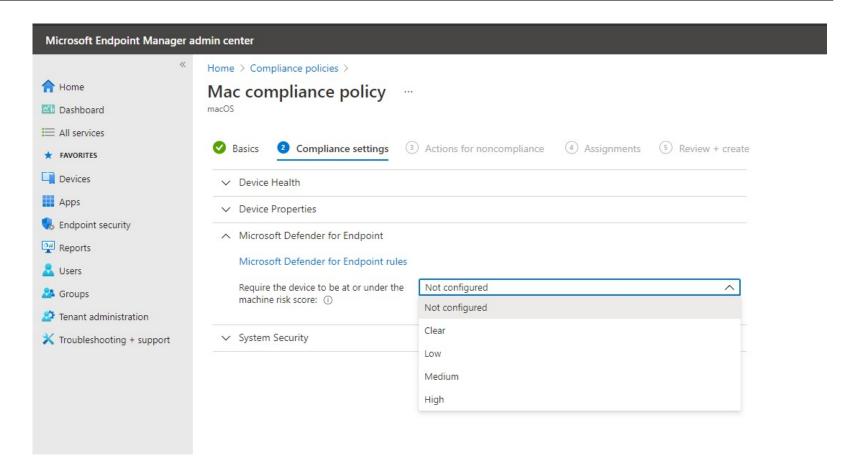
- Device Health
 - Require System Integrity Protection
- Device Properties
 - Min OS and build version
- System Security Settings
 - Password policy
 - Encryption
- Device Security
 - Firewall
- Gatekeeper
 - Allow apps downloaded from these locations

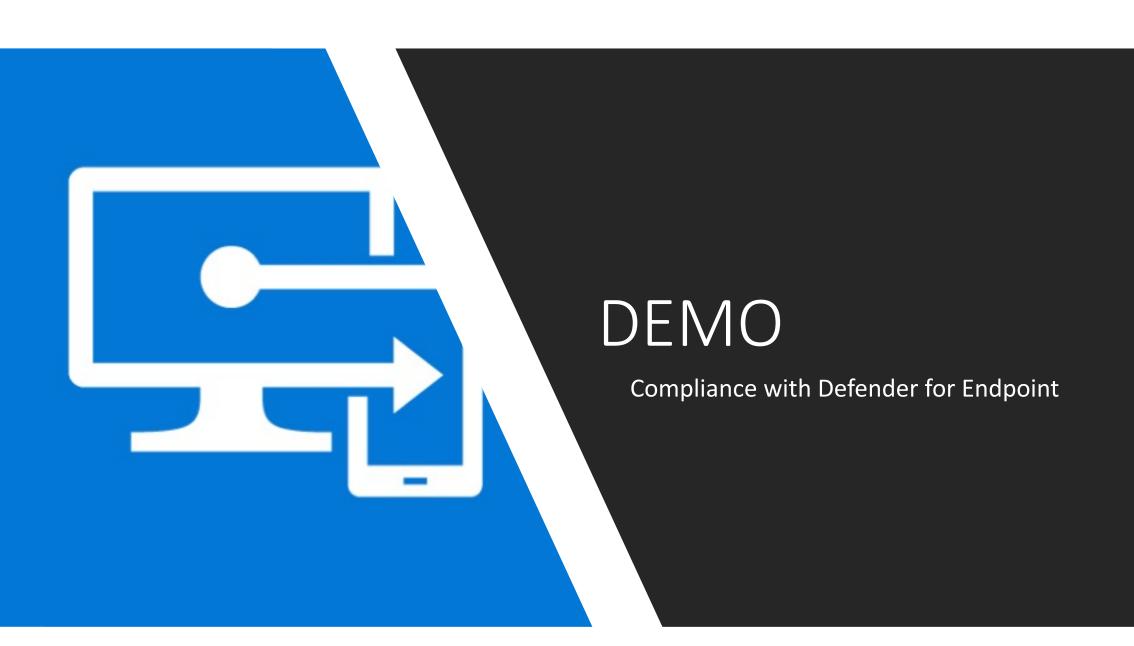


Compliance with MDE

/* In Private Preview */



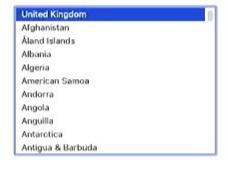








Select Your Country or Region



Harck Continue

Press the Escape key to hear how to set up your Mac with VoiceOver.

Triple-click Touch ID to view accessibility options.

Applications

Application Deployment

- Apple VPP
- Intune Microsoft CDN
- Intune LoB
- Intune Script Agent

com.microsoft.Outlook

> Managed Preferences	88	── ∨ Û ♦	⊕ ∨	C
Name	^ Date Modified	Size	Kind	
com.apple.desktop.plist	Today at 08:29	158 bytes	property list	
com.apple.extensiblesso.plist	Today at 08:29	539 bytes	property list	
com.apple.loginwindow.plist	Today at 08:29	599 bytes	property list	
com.apple.notificationsettings.plist	Today at 08:29	2 KB	property list	
com.apple.screensaver.plist	Today at 08:29	260 bytes	property list	
com.apple.security.firewall.plist	Today at 08:29	142 bytes	property list	
com.apple.syspolicy.kernel-extension-policy.plist	Today at 08:29	289 bytes	property list	
com.apple.system-extension-policy.plist	Today at 08:29	204 bytes	property list	
com.apple.systempolicy.control.plist	Today at 08:29	154 bytes	property list	
com.apple.systempolicy.managed.plist	Today at 08:29	120 bytes	property list	
com.apple.TCC.configuration-profile-policy.plist	Today at 08:29	570 bytes	property list	
com.apple.webcontent-filter.plist	Today at 08:29	97 bytes	property list	
com.microsoft.autoupdate2.plist	Today at 08:29	412 bytes	property list	
com.microsoft.Edge.plist	Today at 08:29	460 bytes	property list	
com microsoft office plict	Today at 08:20	66 hytos	proporty list	ï
com.microsoft.Outlook.plist	Today at 08:29	245 bytes	property list	
com.microsoft.wdav.atp.plist	loday at 08:29	8 KB	property list	•
com.microsoft.wdav.plist	Today at 08:29	380 bytes	property list	
jamessawyer	Today at 08:29		Folder	

Application Configuration

- Preference File (plist)
 - Intune native
 - Mobileconfig file (custom profile)
- Script
 - Write json or plist in specific location

High-performance CPU cores HDR display support Cryptography acceleration Always-on processor formance troller h-quality nera cessor High-bandwidth **Unified memory** High-efficiency CPU cores caches

Apple Silicon

Universal Apps

All Intune apps and agent

Microsoft Edge

Defender

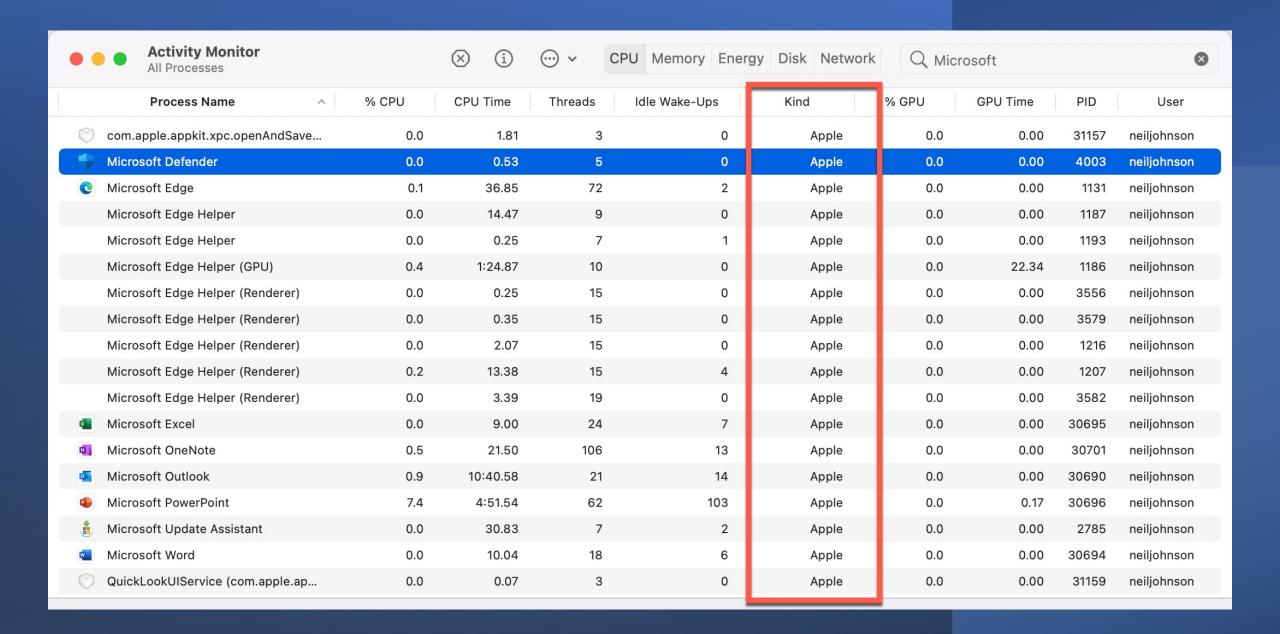
Microsoft Office (not Teams)

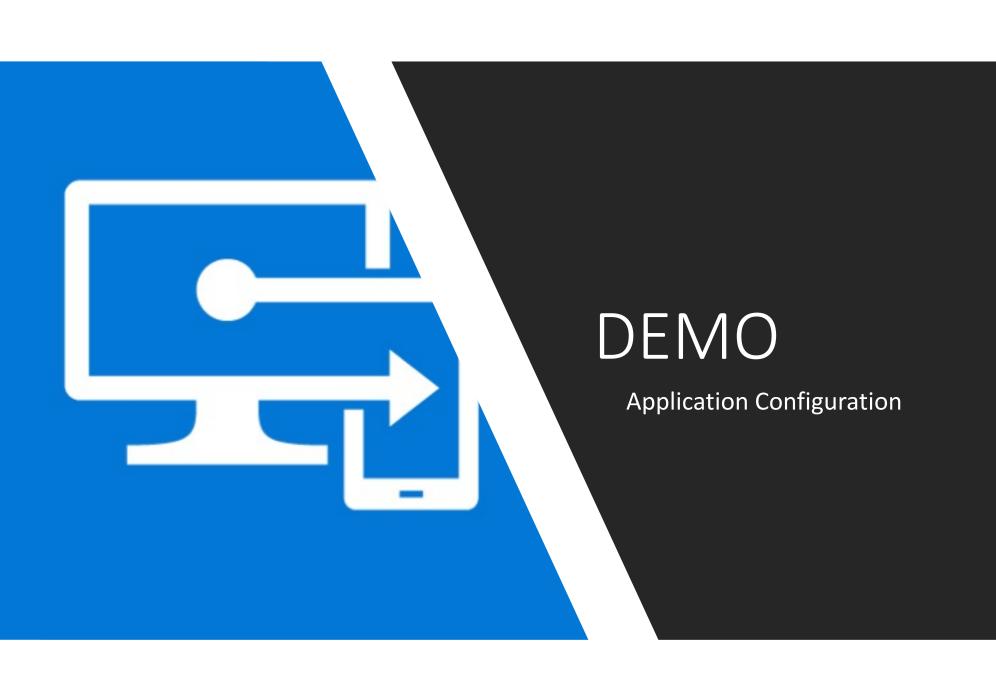
Neural Engine

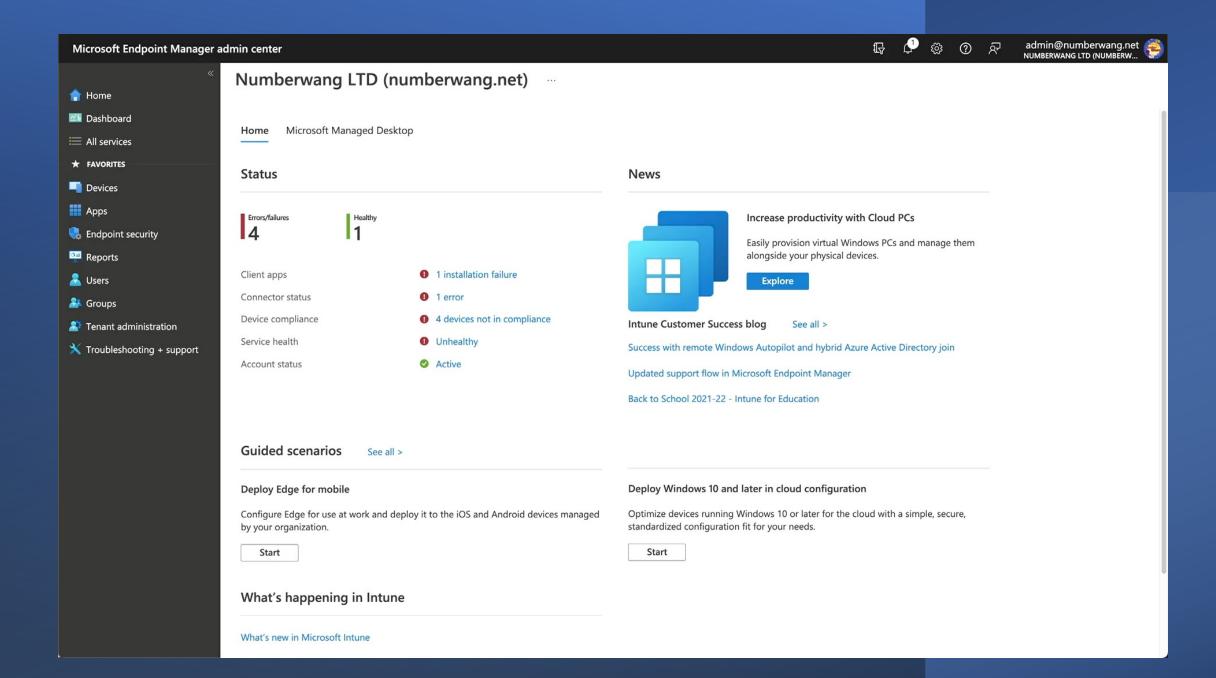
High-efficiency DRAM

High-performance

GPU







Configuration

Configuration | What's new

- Configuration profiles all now verified
- Enhancements to native payload capabilities
- Support for user channel custom profile
- Investment into settings catalog
- Azure AD Single Sign-on profile

Configuration Templates

Template name			
Custom ①			
Device features (i)			
Device restrictions ①			
Endpoint protection ①			
Extensions (i)			
PKCS certificate ①			
PKCS imported certificate ①			
Preference file ①			
SCEP certificate ①			
Trusted certificate (i)			
VPN ①			
Wi-Fi 🛈			
Wired Network			

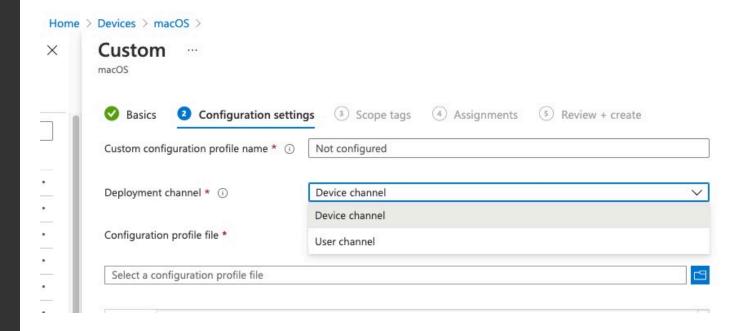
Device Restrictions

Device restrictions ...

macOS

1 Configuration settings 2 Review + save
✓ App Store, Doc Viewing, Gaming
✓ Built-in Apps
✓ Cloud and Storage
∨ Connected Devices
✓ Domains
✓ General
✓ Password
→ Privacy preferences
∨ Restricted Apps

Custom Profiles



Configuration Settings Catalog

Settings picker

Use commas "," among search terms to lookup settings by their keywords



Search for a setting

Browse by category

Microsoft Defender - Antivirus engine

Microsoft Defender - Cloud delivered protection preferences

Microsoft Defender - EDR preferences

Microsoft Defender - Network protection

Microsoft Defender - User interface preferences

Microsoft Edge - Additional

Microsoft Edge - All

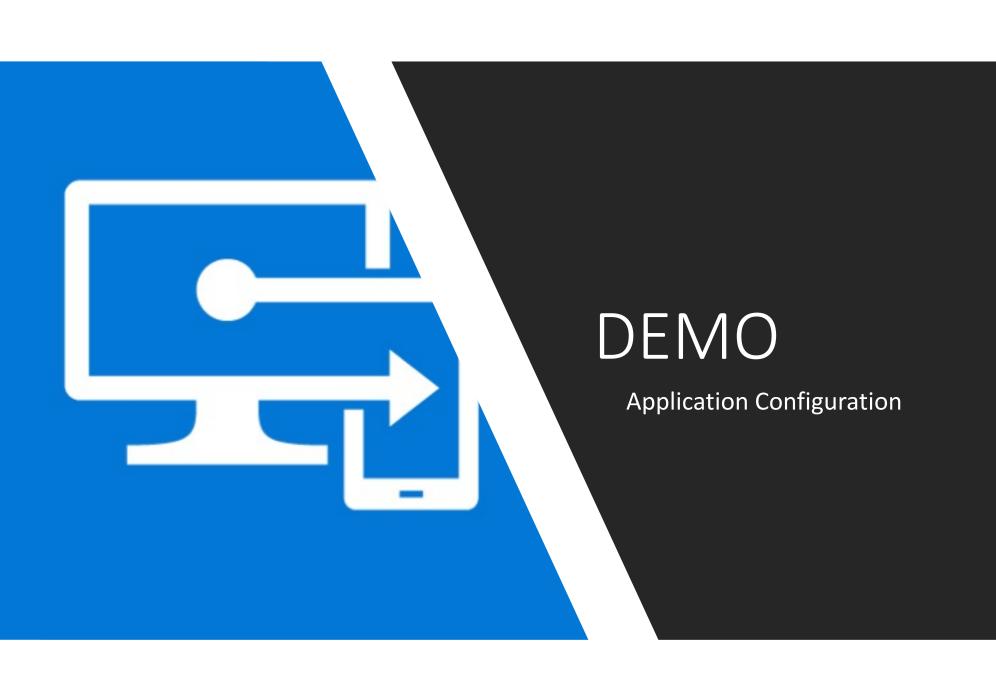
Microsoft Edge - Content settings

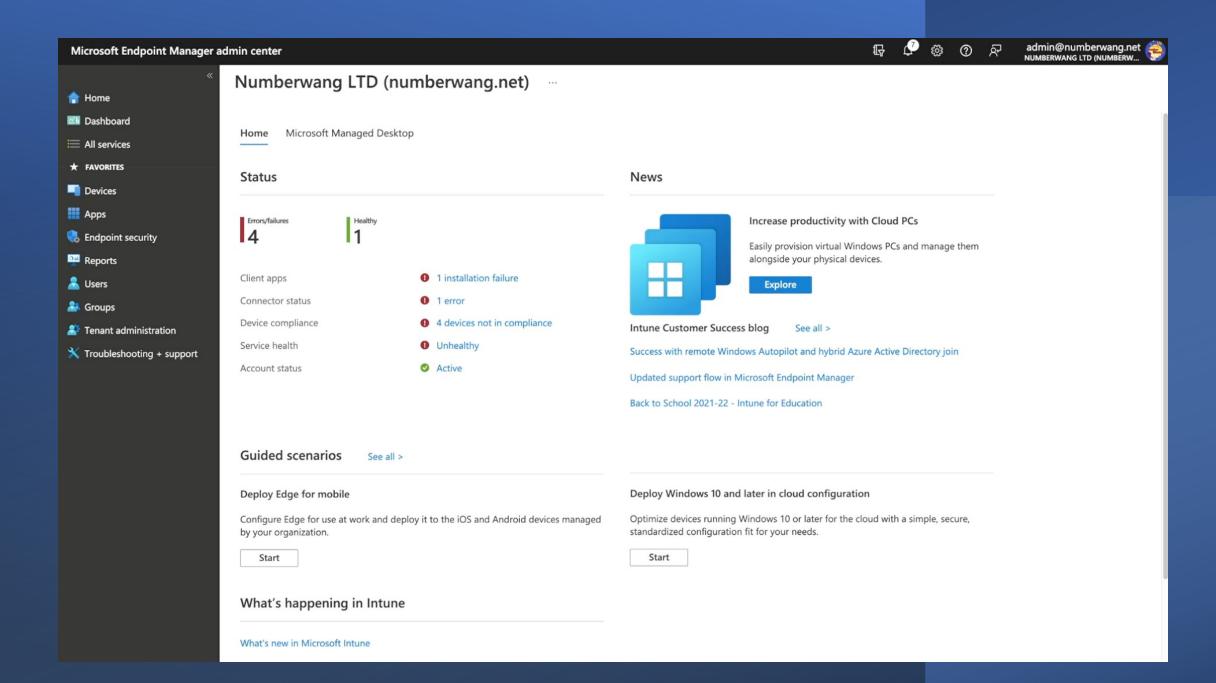
Microsoft Edge - Password manager and protection

Azure AD Single Sign-On

Microsoft Azure AD

Key	Туре	Value
browser_sso_interaction_enabled	Integer	1
disable_explicit_app_prompt	Integer	1
useSSOExtensionOnly	Boolean	true
AppPrefixAllowList	String	com.microsoft.
browser_sso_disable_mfa	Integer	1





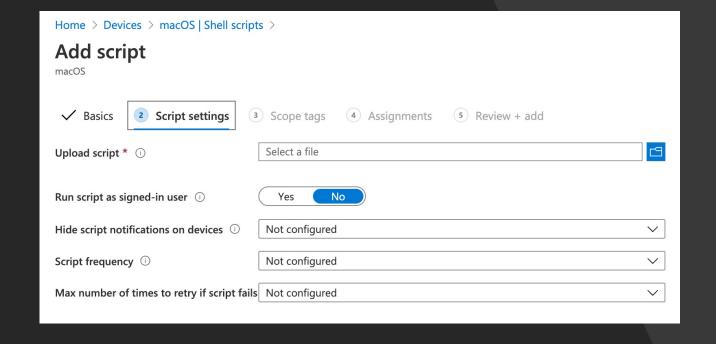
Scripting

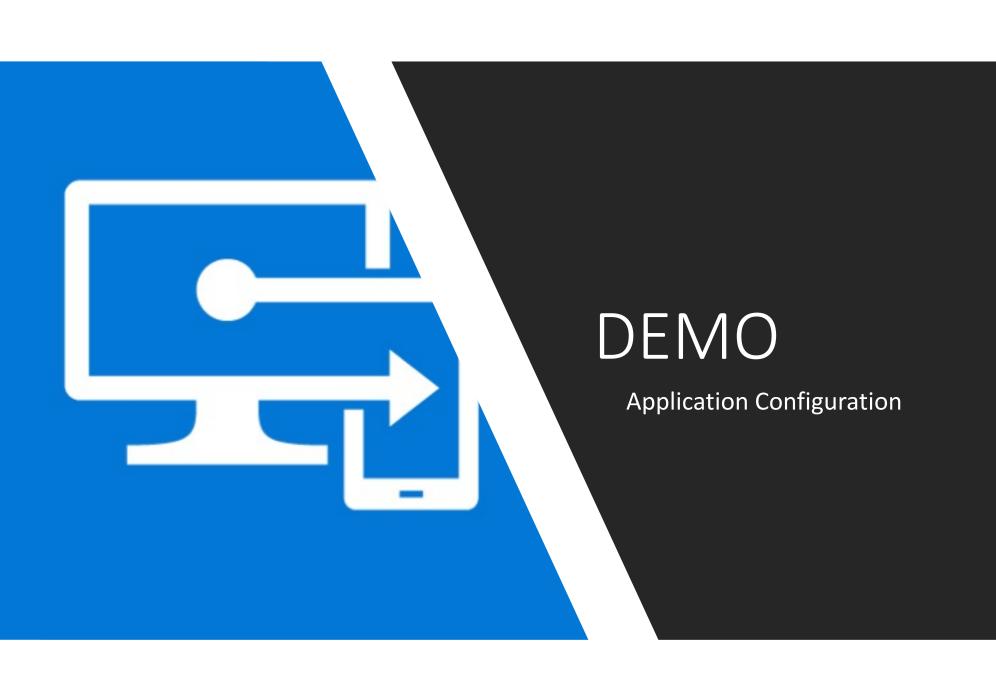
Intune Script Agent

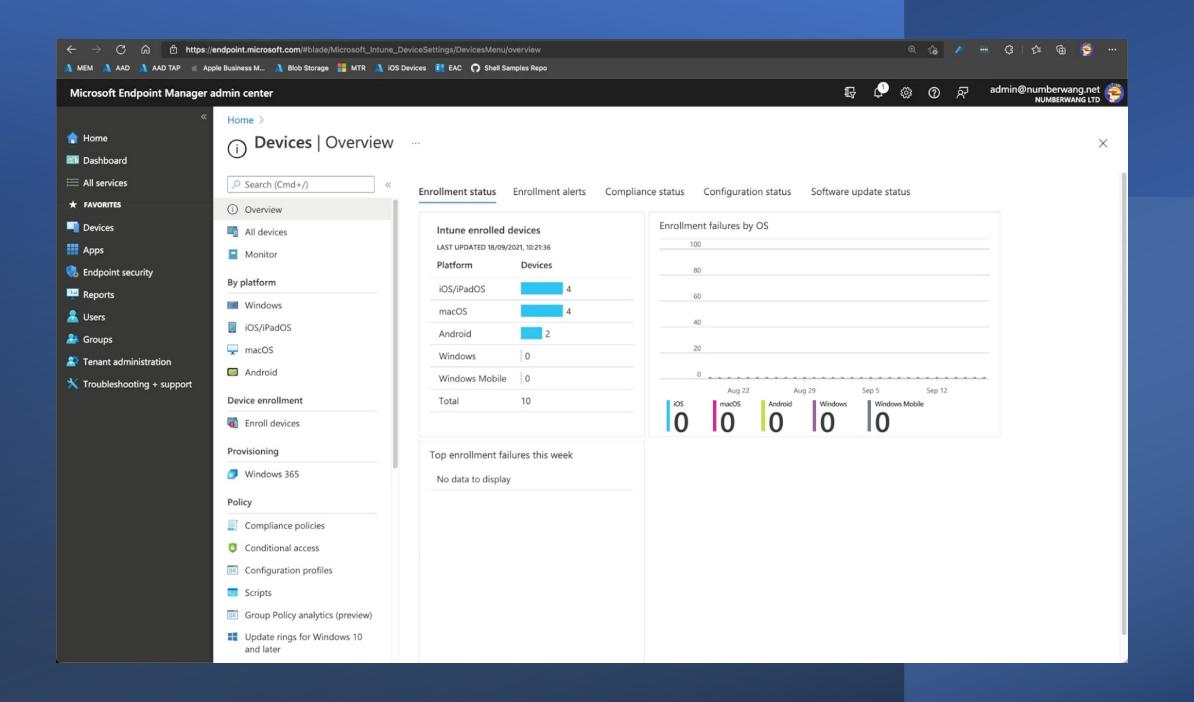
- Updated universal binary
- Bugfixes
 - Improved bootstrap
 - Improved recovery behaviour
- Now deployed to all Intune managed Macs
- Intune Script GitHub Repo
 - github.com/microsoft/shell-intune-samples

macOS | Scripting

- Deploy any script to the Mac
- Can run as end user
- Can run as root
- Can be scheduled
- Log gathering back to Intune







Roadmap

Intune Active Work for CY2021H2

- macOS 12.x day zero work (2110)
 - Enrolment flow
 - WebCP
 - New restrictions policies
 - New software update policies
 - Deprecation of Intune support for 10.14 (Xcode dependency)
- CP Version change
 - iOS and macOS to align on versions from 2109
- MDE
 - Universal Binary support (2110)
 - Compliance Integration

- Updates to AAD SSO extension properties
- Native DMG support
 - Preview this year
- Bootstrap Token
 - Required for M1 device management scenarios
 - Provides seamless FileVault Encryption enablement

macOS Intune | Useful links

- aka.ms/intunewhatsnew
- aka.ms/intuneindev
- aka.ms/intunecustomersuccess
- @IntuneSuppTeam (twitter)

