



Unified Apple Device Management with Microsoft Intune

By Marc Nahum

Sponsors



Marc Nahum



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Microsoft

Role

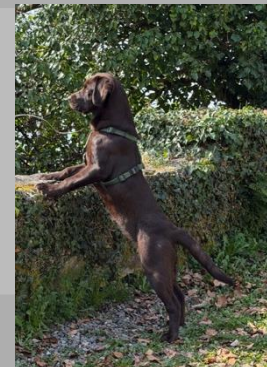
Intune Senior Product Manager

Focus

Apple devices managed by Intune

Blog, Hobbies and more

A young labrador ...





Agenda



Enrollment

JIT, ACME, Apple mobile



AxM

Apple for Business or School Integration



DDM

The future of MDM



Roadmap and next steps

Friday, April 24

09:00
CEST



From Zero-Touch to Zero-Trust: Managing macOS with Intune

LIMITED

Marc Nahum

Just-in-time (JIT) Registration and Compliance Remediation



JIT Registration

- Complete Microsoft Entra registration during first sign-in to a work app

JIT compliance remediation

- Real-time compliance checks and remediation guidance embedded directly in work apps

More information on how to set up at [Microsoft Learn](#)

ACME certificates for Intune enrollment



- Apple's modern alternative to SCEP for requesting and installing device enrollment certificates
- More secure – more robust validation for certificate issuance
- Sets foundation for managed device attestation
- Phased rollout began this past year and will complete soon
- Only applies to newly-enrolled devices

Apple mobile (iOS, iPadOS, tvOS, visionOS)



- Intune will soon support managing Apple TV and Vision Pro devices
- Features:
 - App protection policies for visionOS (already GA)
 - Userless ADE enrollments (os26+)
 - Default enrollment restrictions to allow or block platform enrollment
 - Single device actions and bulk device actions
 - DDM-based custom configuration deployment

Apple mobile
4 devices

visionOS and tvOS support is currently offered in preview. When it becomes generally available, your Global or Billing Administrator can add it for an additional cost to the licensing options that include Microsoft Intune. [Learn more about Apple mobile](#)

Refresh Export Columns Bulk device actions

Search OS: iOS/iPadOS, tvOS, visionOS Add filters

Device name	Managed by	OS	Compliance	OS	OS version	Primary user UPN	Last check-in
Anya's Apple Vision Pro	Intune		Compliant	visionOS	2.4	None	05/11/2025, 11:57 AM
Apple Vision Pro	Intune	Select all	Compliant	visionOS	2.4.1	None	05/14/2025, 05:05 PM
Game Room	Intune	iOS/iPadOS	Compliant	tvOS	18.4.1	None	05/15/2025, 07:33 PM
iPad-K7FMWKT2Y	Intune	tvOS visionOS	Compliant	iOS/iPadOS	18.4	None	05/02/2025, 04:58 PM

Apply Cancel

Coming soon to tvOS and visionOS



- Goal
 - Management parity across Apple mobile platforms
- Roadmap:
 - First-class settings catalog for new platforms
 - Resource access and compliance support
 - DDM-based application management



Enrollment Time Grouping



- Now for iOS / iPadOS, visionOS soon for macOS
- ETG is Fast
- ETG work at enrollment time
- Static Entra ID group assignment during enrollment



Live Demo





Agenda



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Roadmap and next steps





Agenda



Enrollment

JIT, ACME, Apple mobile



A

Apple for Business or School Integration



DDM

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Roadmap and next steps





Agenda



Enrollment

JIT, ACME, Apple mobile



Apple Business / Apple School

Apps & Access integration



DDM

The future of MDM



Roadmap and next steps





Agenda



Enrollment

JIT, ACME, Apple mobile



🍏 Business - 🍏 School

Apps & Access integration



DDM

The future of MDM



Roadmap and next steps



Apps and Books APIv2

- Intune now uses the Apps and Books APIv2 (VPPv2)
- Apple's modern replacement for the original API
 - Asynchronous and event-based means faster and efficient
- Improved performance for large deployments
- Up-to-date asset and licensing via notifications
- Backend change - no impact to apps or Intune console



AxM Access management



- Intune support for the Get Token request
- Control where Managed Apple Accounts (MAA) can sign in
- For example, Restrict MAA sign in to managed devices

How it works

- Device requests a token that proves it is managed by Intune
- User signs in → device provides the token to Apple Identity Services





Agenda



- **Enrollment**
JIT, ACME, Apple mobile
- **Apple Business - Apple School**
Apps & Access integration
- **DDM**
The future of MDM
- **Roadmap and next steps**

Software updates



- Apple has deprecated the MDM-based software update workloads
- Going forward, all new features and updates are DDM
- No longer able to create MDM update policies as of February
 - Existing policies can be viewed and edited
- MDM workloads and policies will be removed in a future update
- More information available at:
aka.ms/Intune/Apple-DDM-software-updates & [Tech Takeoff 2025](#)

 Legacy update policies for Apple devices are deprecated and new policies can no longer be created. Existing policies can still be edited but will be removed in a future release of Intune. [Learn more about managing Apple updates using Intune](#) 

[iOS/iPadOS update policies \(deprecated\)](#)

[macOS update policies \(deprecated\)](#)

[Monitor](#)

Declarative Software Updates



DDM configuration for software update enforcement!




Specify OS/build to install by an exact time

Only Version and date are mandatory













No cross-version parameter use.

Software Update

Target Date Time	 	9/30/2025, 1:00:00 PM
Target OS Version	 	26

Software Update Settings

Allow Standard User OS Updates	 	Allowed
Automatic Actions	 	
Download	 	Allowed
Deferrals	 	
Minor Period In Days	 	1

Declarative Software Updates



Just say yes

Delay is based on Apple released date

Major OS update are the last version

It is a profile, so rings of update are possible



Install time in 24h format

Local time of the device

Declarative Device Management (DDM) [Remove category](#)

These settings configure the declarations used by Apple's declarative device management feature. These settings are separate from older MDM settings and only apply to a device enabled for declarative management. Learn more about declarative management at developer.apple.com

Software Update Enforce Latest [Remove subcategory](#)

Enforce Latest Software Update Version *

Delay In Days *

Install Time

What's new in DDM



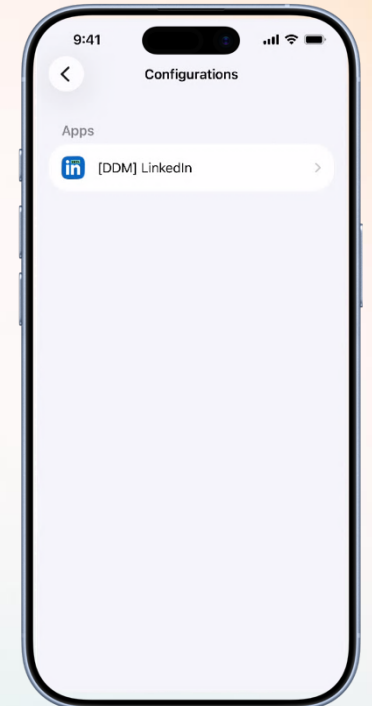
- Assignment filters are now supported for Apple DDM policies
- New configurations in 26.4
 - Intelligence controls – manage Apple Intelligence and external integrations, Keyboard, and Siri
 - Migration Assistant Settings
- AI management workload moved to DDM, MDM AI restrictions are now deprecated

Required line-of-business apps



- Intune is supporting deployment of required line-of-business (LoB) via DDM
- Apps are now installed as configurations instead of using commands
- Real-time app status reporting

Publisher * ⓘ	Microsoft Intune
Applicable device type * ⓘ	2 selected
Minimum operating system * ⓘ	iOS 16.0
Management type *	
Category ⓘ	Declarative device management (DDM) Mobile device management (MDM)
Show this as a featured app ⓘ	yes <input type="radio"/> NO <input checked="" type="radio"/>





Add App

iOS line-of-business app

- 1 App information
- 2 Assignments**
- 3 Review + create

Required

Group mode	Group	Status
<input checked="" type="checkbox"/> Included	All devices	Active

+ Add group [ⓘ] + Add all users [ⓘ] + Add all devices [ⓘ]

Available for enrolled devices

Group mode	Group	Status
No assignments		

+ Add group [ⓘ] + Add all users [ⓘ]

Uninstall

Group mode	Group	Status
No assignments		

+ Add group [ⓘ] + Add all users [ⓘ] + Add all devices [ⓘ]

Previous

Next

Edit assignment

All devices

Remove

Assignment settings

Mode [ⓘ] Included Excluded

App settings

VPN

Prevent iCloud app backup [ⓘ] Yes No

Tap to pay screen lock enabled [ⓘ] Yes No

Associated Domains Direct Download Allowed [ⓘ] Yes No

Add Sort Delete

Associated Domains

OK

If true, the device automatically locks after every transaction that requires a customer's card PIN

List of domains associated with app
Secure association between domain and app for credential sharing or enabling other features, e.g. directly downloading app clips
Requires app developers to add an app entitlement

Reporting



Home > Devices | Overview > Apple mobile | Apple mobile devices > iPhone

iPhone | Managed Apps

Search

Overview

Manage

Monitor

- Device inventory
- Application inventory (preview)
- Hardware
- Discovered apps (retiring soon)
- Device compliance
- Device configuration
- App configuration
- Recovery keys
- Group membership
- Managed Apps**
- iOS software updates
- Filter evaluation
- Enrollment

Refresh Columns

Search

Application	Version
Pandora: Music & Podcasts	2857 (881473793)
Facebook	886340264 (882373723)
Tripadvisor: Plan & Book Trips	260216000 (882542888)
Learning	2026.0114.0952 (9.31.7644.2)
Edge Beta - 50	145.3800.50 (145.0.3800.50)
OneNote	16.104 (16104000.25110422)
Company Portal	5.2602.0.9 (54.2602009.000)
Stocks	
Bible	11841 (882552150)
Comp Portal with icon	5.2602.0.9 (54.2602009.000)
TorusElevation-11.17	2.2.7 (26)
Copilot Beta 5564	1.0.0 (5564)
Microsoft Word	2.106.26021322 (882458728)
LinkedIn	2026.0209.1232 (9.31.8271)

Learning - Installation details

Refresh Sync

- App installation completed
2/27/2026 10:56:19 AM
- Device last check-in time
2/27/2026 10:55:16 AM
- App assigned to group All devices
2/27/2026 10:53:56 AM
- App updated
2/20/2026 2:08:24 PM
- Application created
2/18/2026 3:44:28 PM

Reporting



Home > Apps | Overview > iOS/iPadOS | iOS/iPadOS apps > LinkedIn



LinkedIn | Device install status

Client Apps

Search

Overview

Manage

Properties

Monitor

Device install status

User install status

This report may be delayed in showing the most recent information.

Refresh Export Columns

2 items

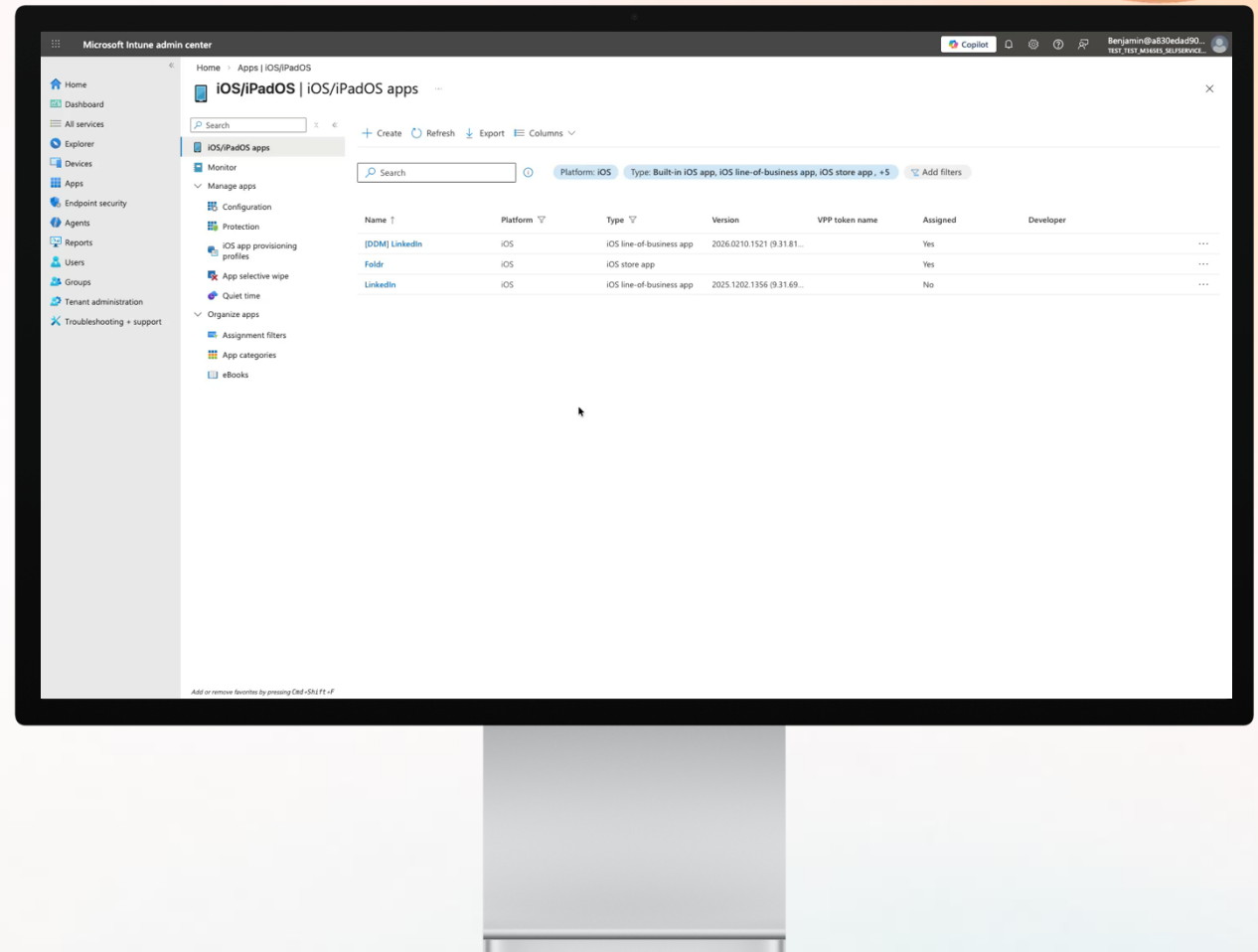
Search Add filters

Device name	UPN	Device platform	App version	Status	Status details	Filter	Last modified t...
iPad	No user	iOS 26.3	2026.0209.1232 (9.31.8271)	Installed			02/16/2026, 05:2...
iPhone	No user	iOS 26.4	2026.0209.1232 (9.31.8271)	Installed			02/27/2026, 03:5...



Demo

Deploying DDM LoB apps



Demo

Deploying DDM LoB apps





Additional info

- **Not** part of this release:
 - macOS, tvOS, visionOS
 - Available assignment type (only required and uninstall for now)
 - MAM-enabled (ManagedLoB app type)
 - App configuration
- Phased release with more features coming soon:
 - DDM-based VPP apps (extended to all platforms)
 - App configuration
 - New attributes and settings:
 - auto-update, version pinning
 - linked profiles (cellular slice, DNS proxy, content filter)

iOS maintenance check-ins

RELEASED



Apple devices don't have client-initiated maintenance check-ins, they are always service initiated.

Outcomes

Faster delivery for
~99.5% changes

10% reduction in
delayed check-ins

No device is left
without regular check-
ins

The new design



Off-peak hours

Request two maintenance check-ins per device



Peak hours

Notify devices that **did not check in off-peak**

Defer devices that

- **already checked in off-peak OR**
- **Had a successful check-in in last 8 hours**
AND
 - No change pending OR
 - Change pending but device responded **Not Now**

Apple mobile roadmap

- Apple enrollment policies
- Enrollment time grouping for Apple
- More tvOS & visionOS management features
- DDM-based VPP apps
- Userless app catalog for DDM apps





Feedback Survey: Unified Apple
Device Management with
Microsoft Intune - MEM26



Thanks!

<https://forms.microsoft.com/r/0HapCKFBk9>