OJAMF NATION LIVE

Software Updates & Application Lifecycle Management





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MSP Services

Agenda

1 | Software Updates vs Application Lifecycle Management

What's the difference?

2 | Software Updates

What's new with managing Software Updates?

3 | Application Lifecycle Management

Establishing a methodology

4 | Wrap-up

What does this mean for you?



Software Updates vs Application Lifecycle Management

What's the difference?



Software Updates

- Apple OS updates
- Delivered directly from Apple
- Major / Minor / RSR / XProtect
- Security / Feature focused





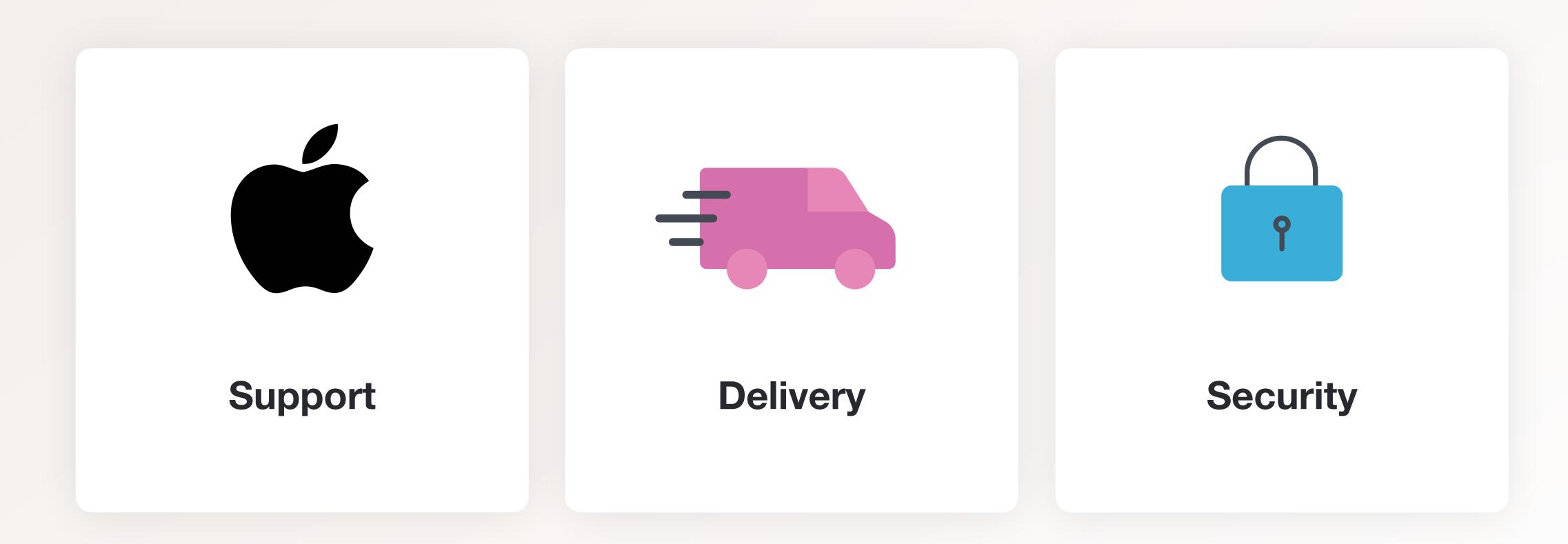
Application Lifecycle Management

- Install, update, & maintain apps
- Varied delivery methods
- Determined by organisational need
- Manage associated settings

Software Updates

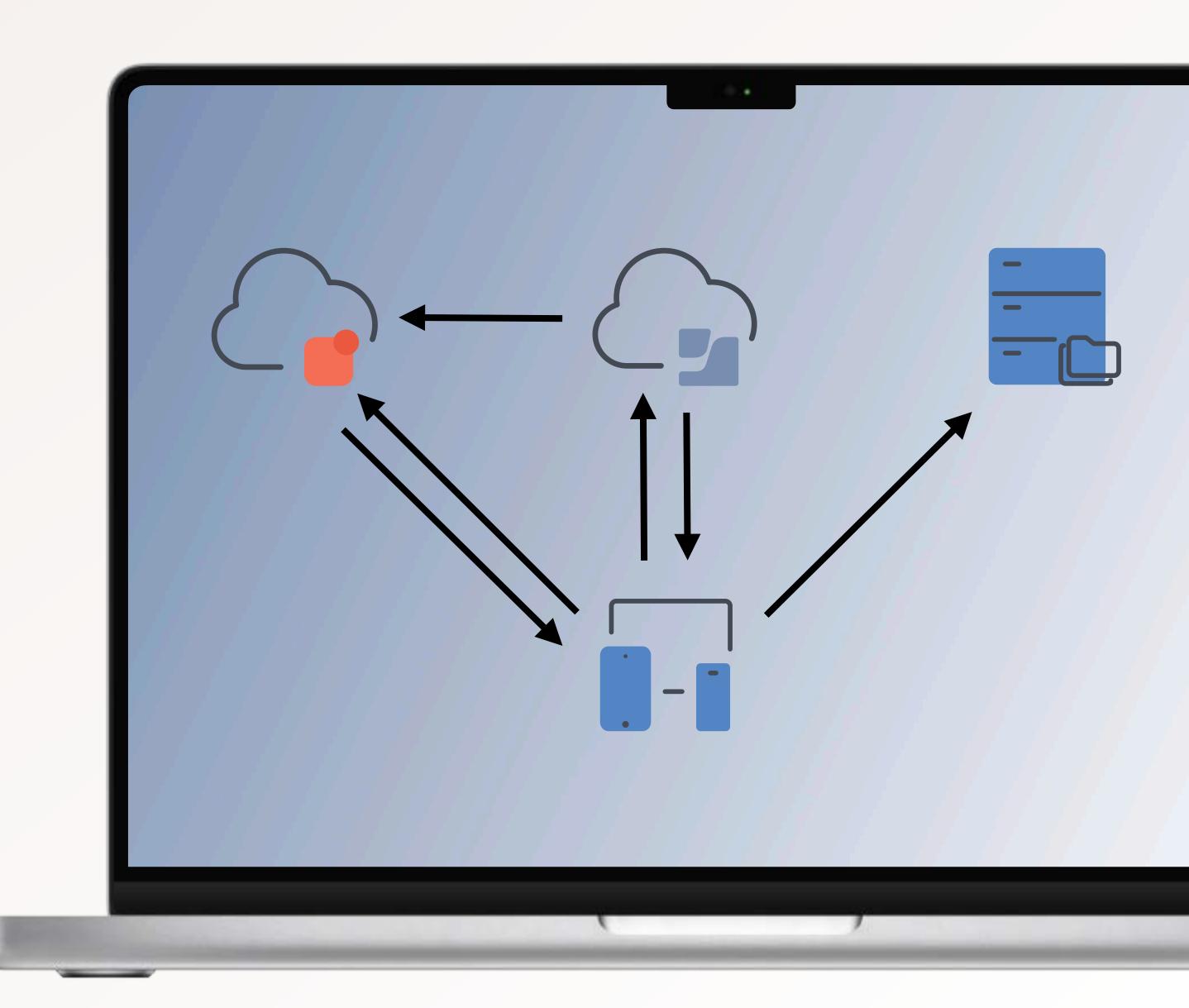


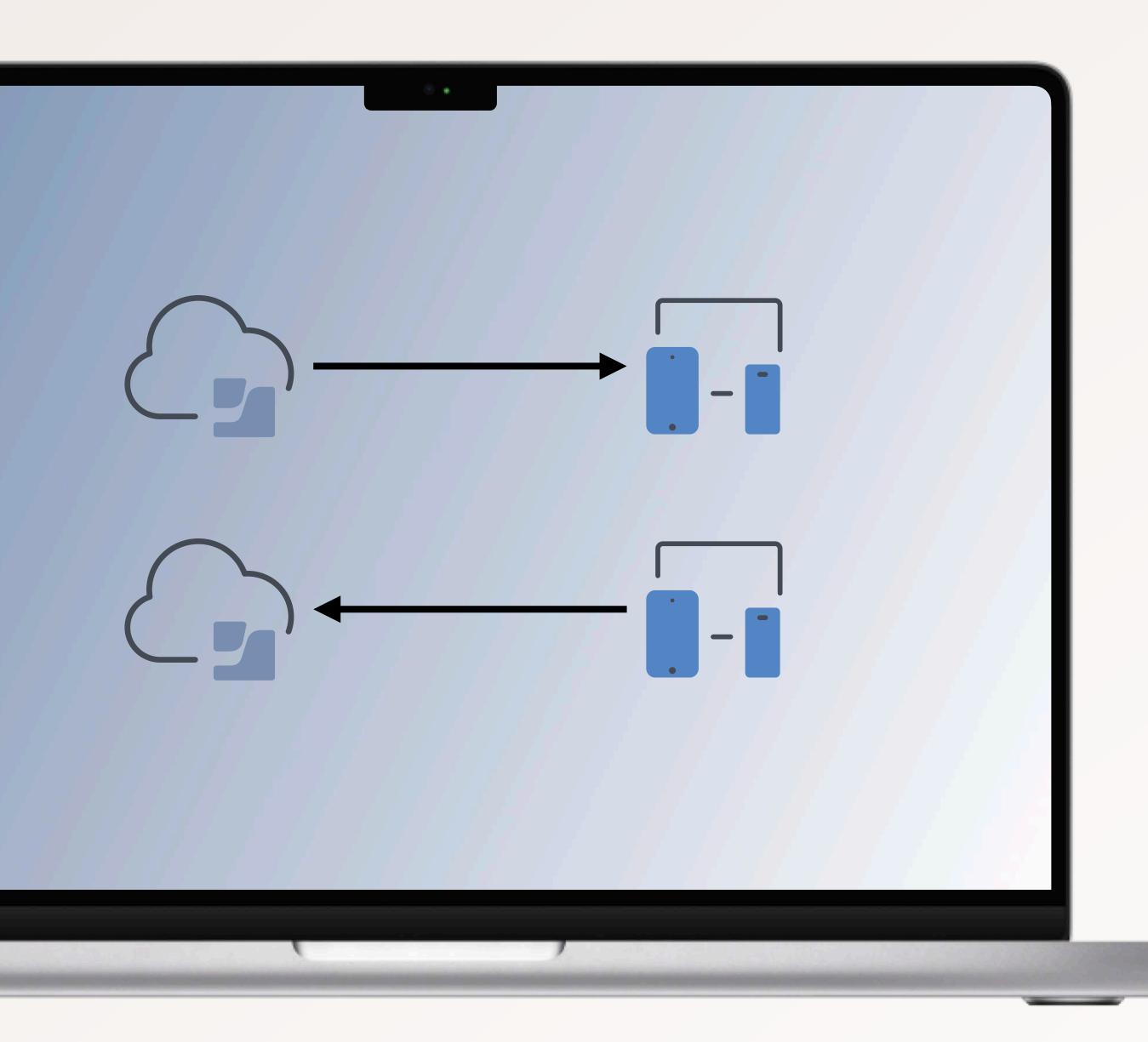
Software Updates



MDM Commands

- Mac OS X 10.11 El Capitan / iOS 9 +
- Complex sequence of commands
- Little feedback from client to server
- Light touch user experience



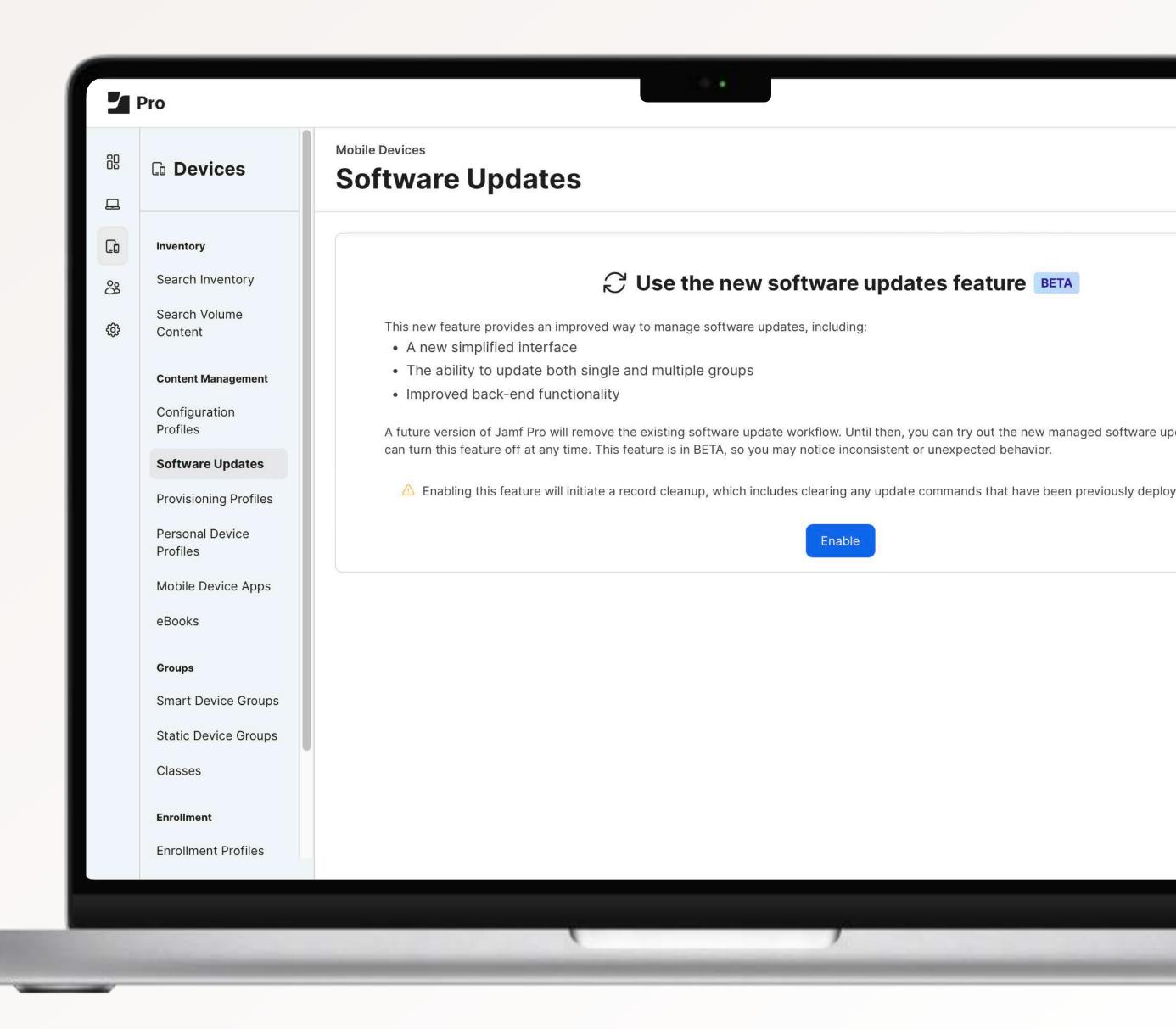


DDM Software Updates (Jamf Pro)

- macOS 14 Sonoma / iOS / iPadOS 17+
- Simple declarative statements
- Regular feedback from client to server via status channel
- Improved user-experience

Using Declarative Device Management update workflows

- macOS 14 Sonoma / iOS / iPadOS 17 +
- Best Apple-native experience
- Cloud Services Connection MUST be enabled
- Select one or more Smart Groups



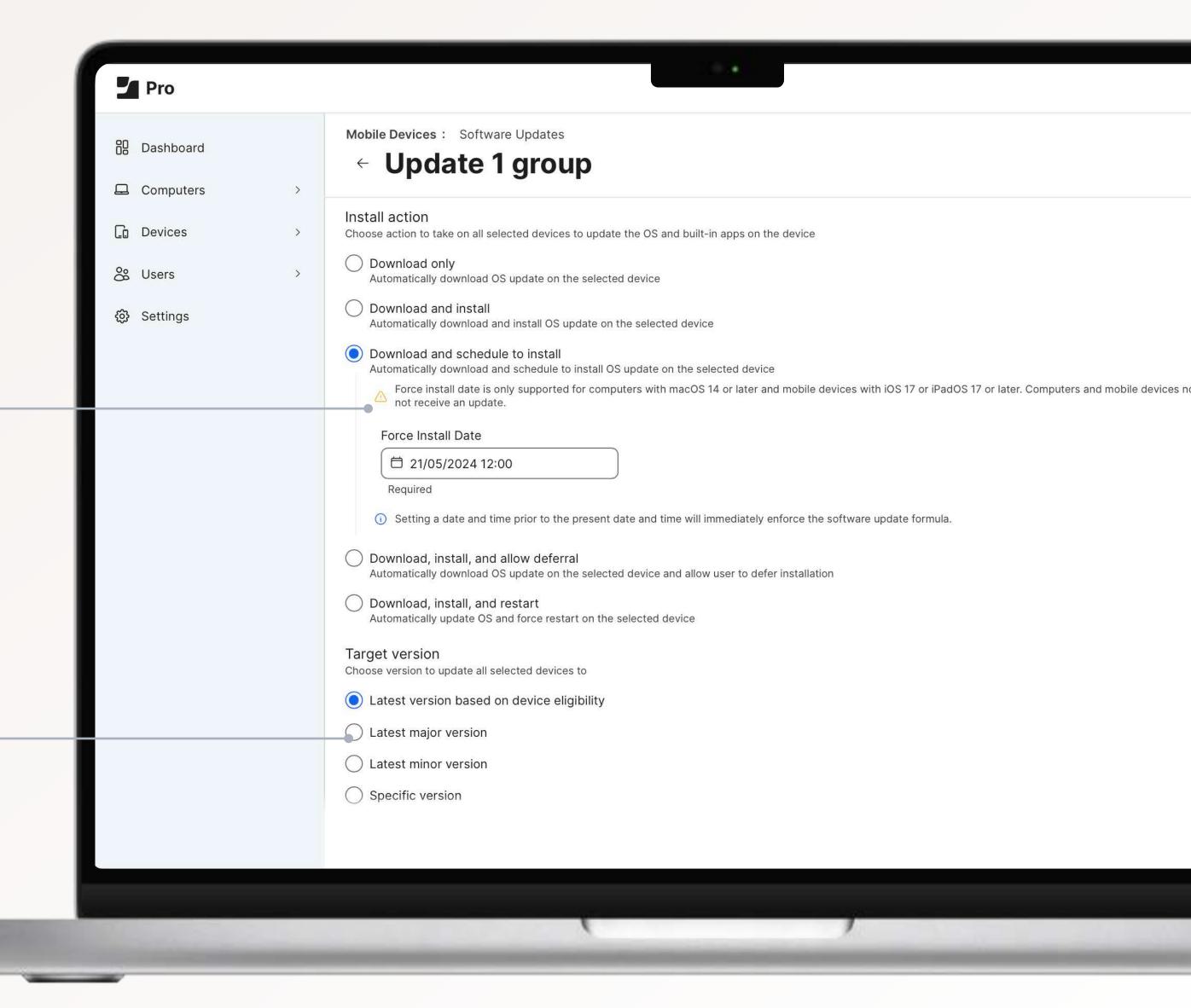
Scheduling options and behaviours

Force Install Date

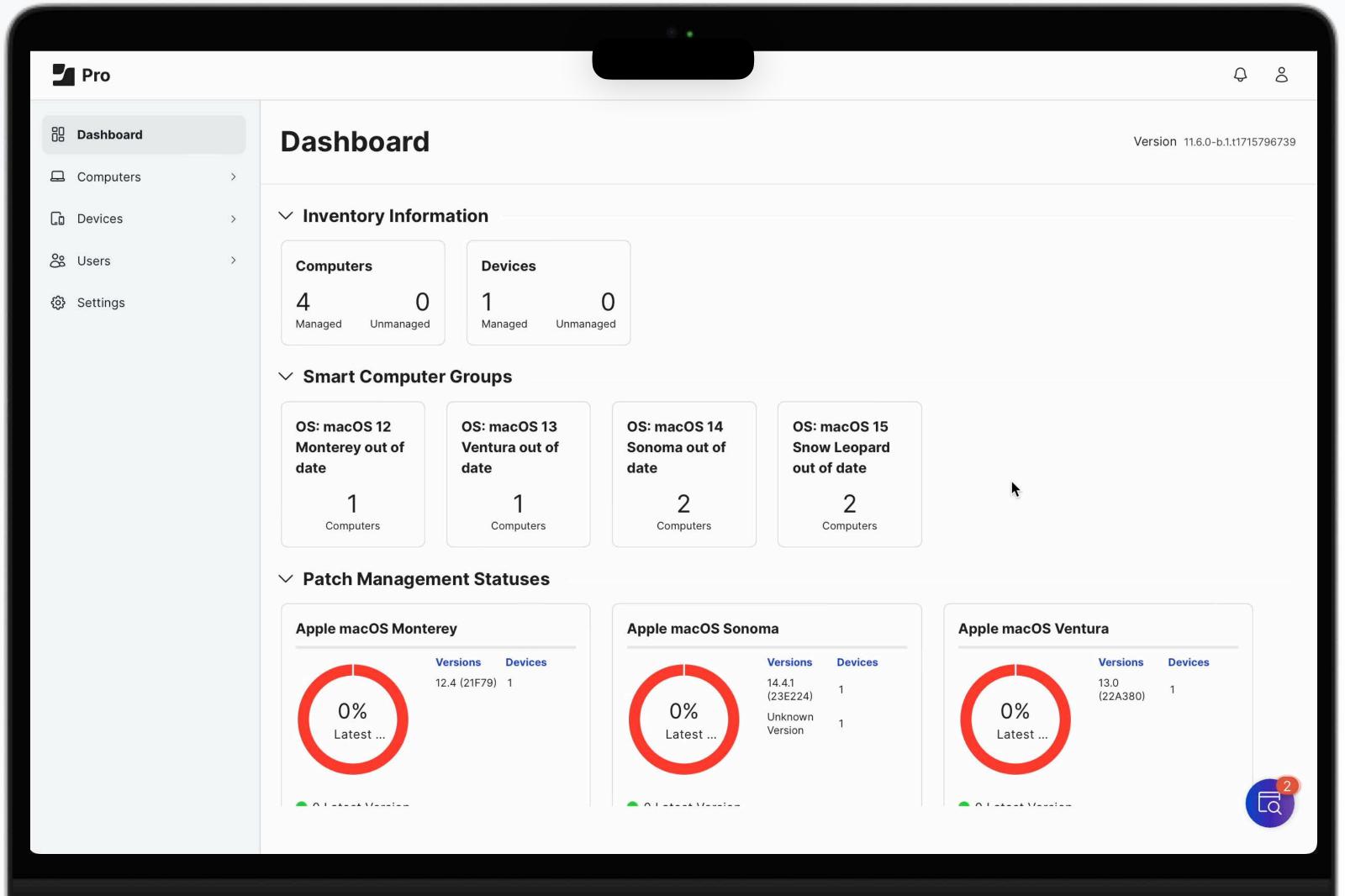
Pick a specific date and time after which the specified update will be force-installed.

Target Version

Choose Latest Version or pick a specific version from a drop-down list.



Focus Software Updates





User Experience



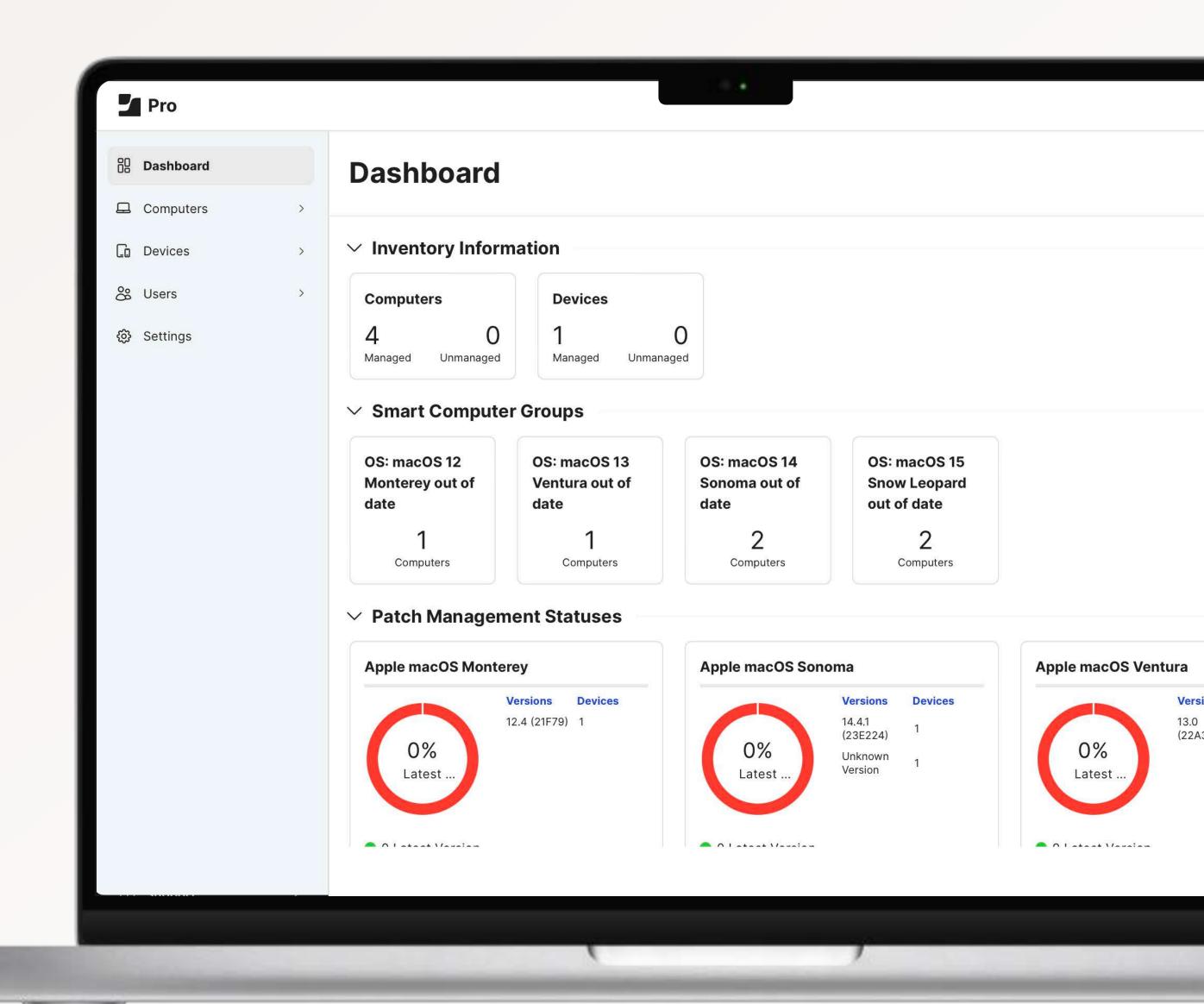


User Experience



Monitoring Software Updates

- Monitor macOS versions using PatchManagement
- Link to Smart Computer Group or Advanced Computer Search
- Good visibility and easy access
- Jamf School experience



Troubleshooting Declarative Device Management update workflows

- Why has the plan failed?
 - Cloud Services Connection
 - Unsupported OS
 - Supervision
 - Update availability

```
"recipeId": "-1",
"planUuid": "5f2d89f5-b16f-4660-8b04-238e9fbde497",
"device": {
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 "objectType": "COMPUTER",
  "href": "/v1/computers-inventory/33"
"updateAction": "DOWNLOAD INSTALL SCHEDULE",
"versionType": "LATEST ANY",
"specificVersion": null,
"maxDeferrals": 0,
"forceInstallLocalDateTime": "2024-05-13T18:00:00",
"status": {
  "state": "PlanFailed",
  "errorReasons": [
    "EXISTING PLAN FOR DEVICE IN PROGRESS"
```

Troubleshooting Declarative Device Management update workflows

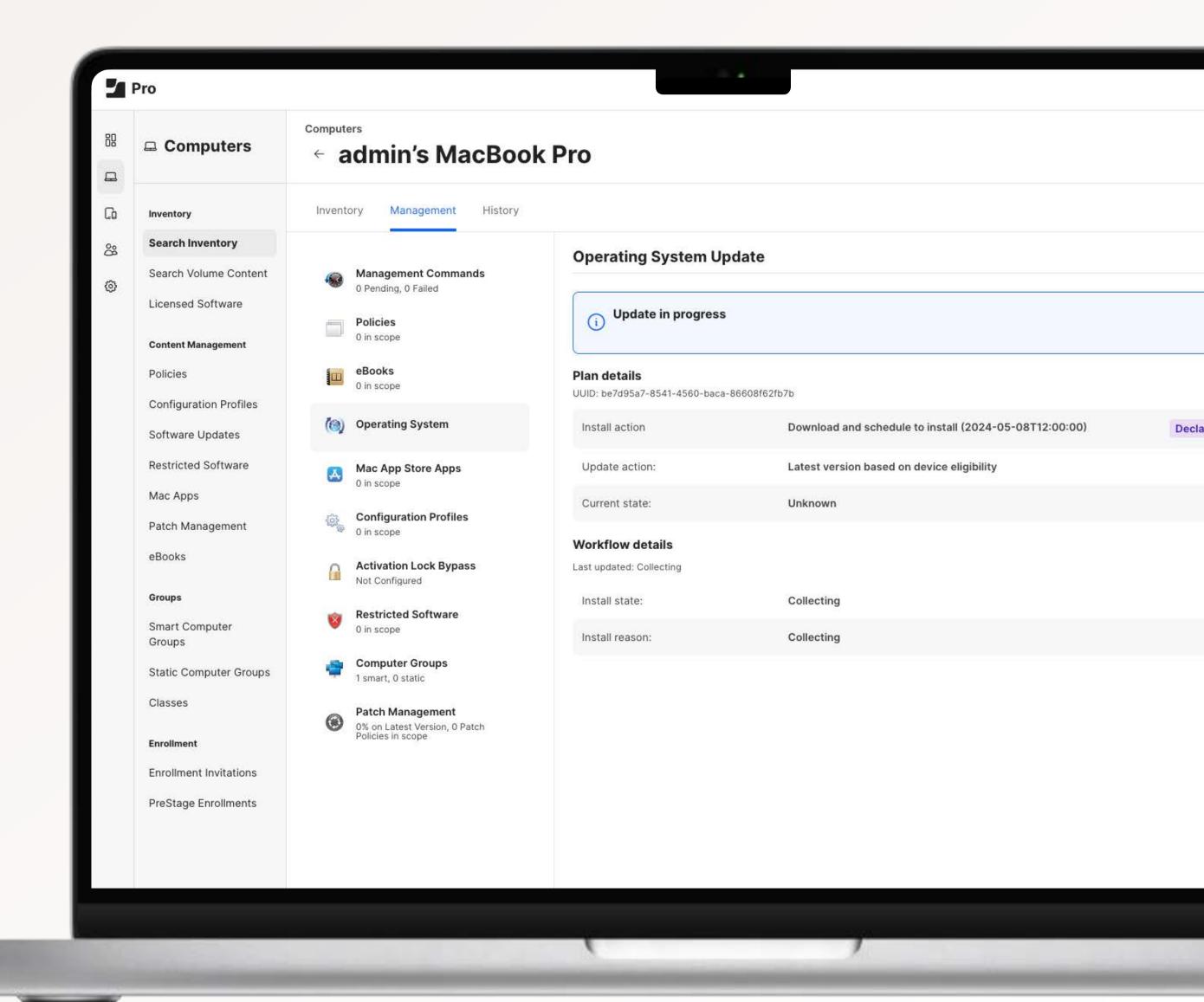


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Coming soon to Jamf Pro...

- Enhanced reporting
- Workflow status
- Software Update Plan history
- Detailed plan information





How can end-users help?

- Set end-user expectations
- Establish an organisational practice
- Test updates early with AppleSeed for IT
- Win hearts and minds

Jamf and...



Nudge

- Swift based "reminder" app
- User-led workflow
- Ability to ramp-up urgency of notifications



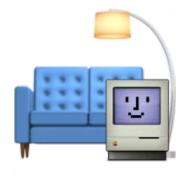
S.U.P.E.R.M.A.N. (super)

- Script based "reminder" workflow
- Backed up with API calls to Jamf Pro
- Ability to remind then force update



Erase-install

- Great for Self Service update workflows
- Excellent experience for major updates
- Useful for offboarding workflows



SOFA.macadmins.io

- Web app cataloguing macOS and iOS updates
- Details of every reported CVE
- Extension Attribute support for Jamf Pro

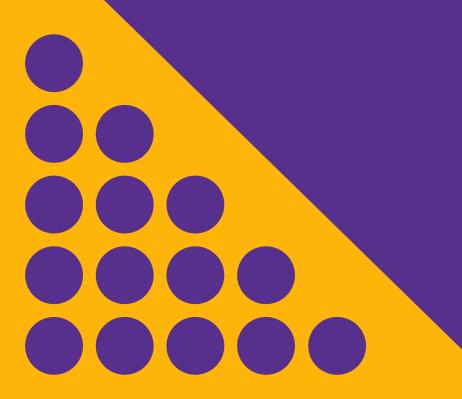
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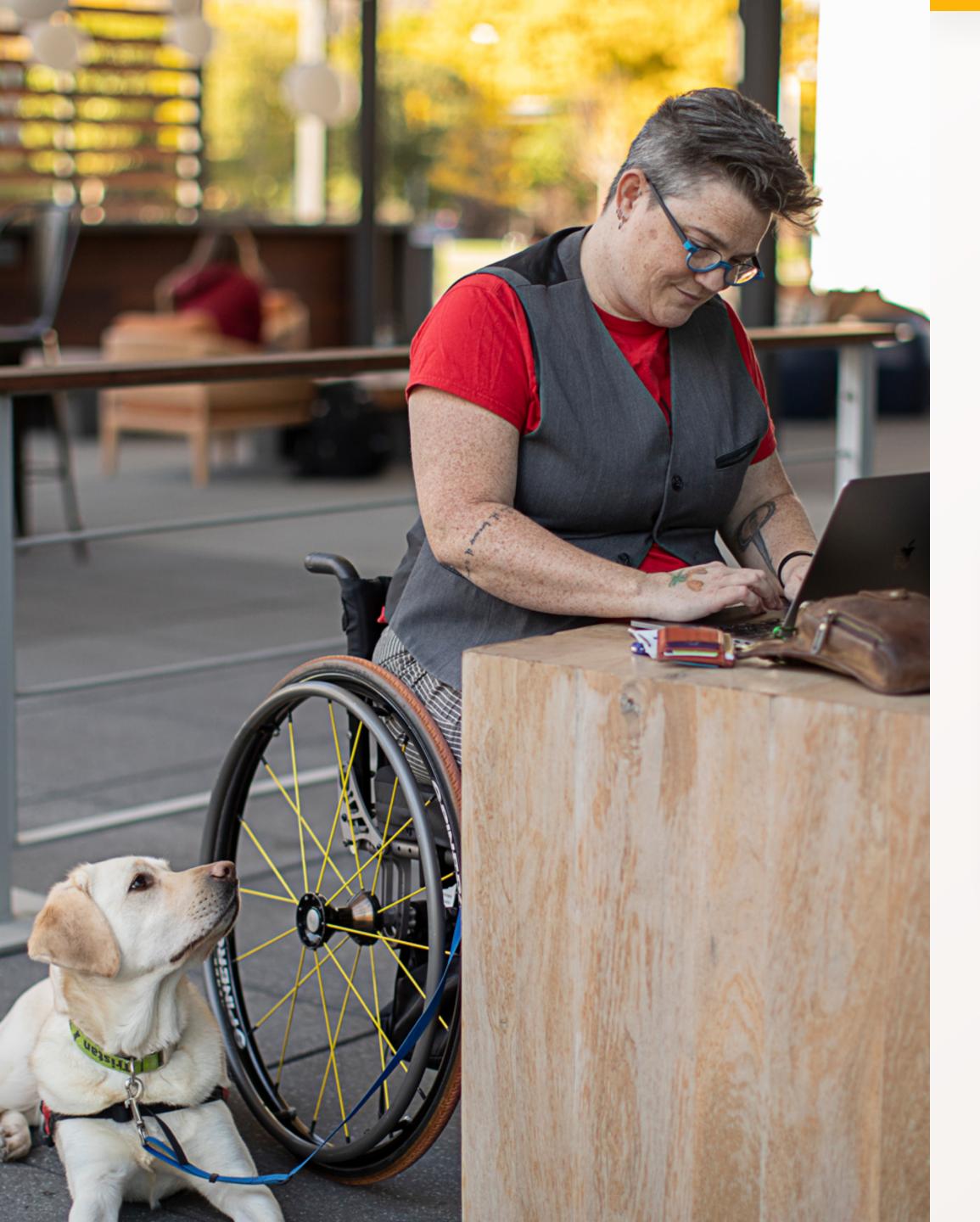


Application
Lifecycle
Management

Application Lifecycle Management

What does it mean to you?



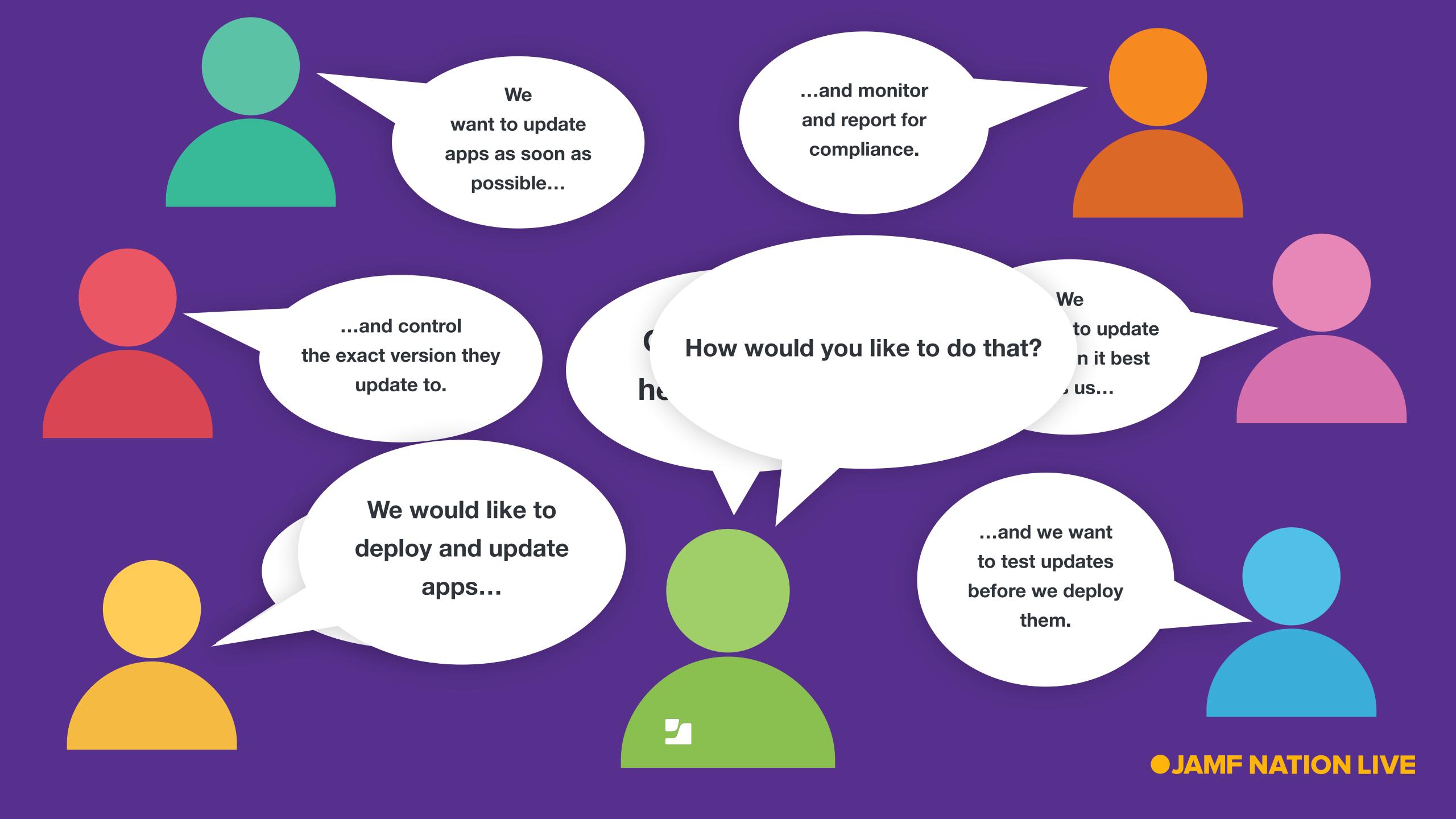


Where to begin?

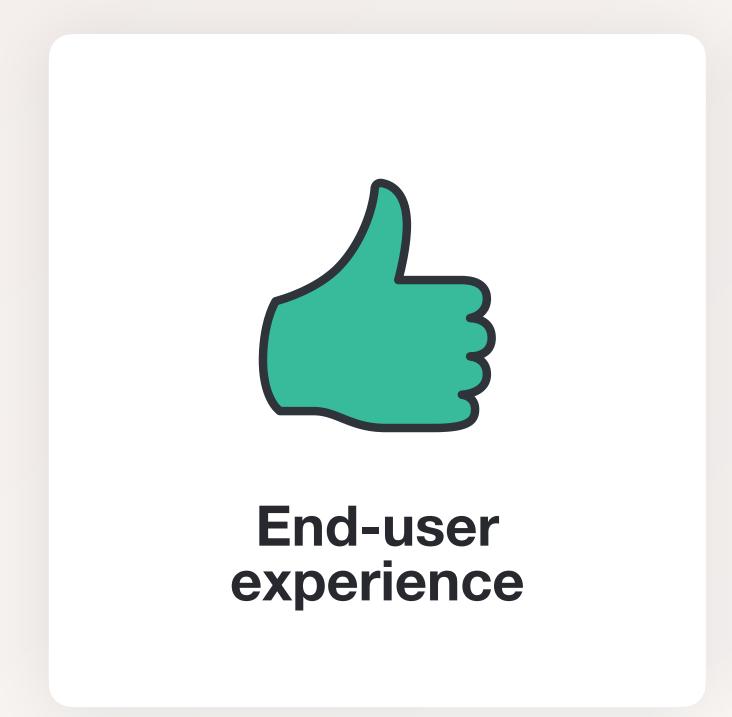
"We want to deploy and update apps..."

Every Jamf AdminEver

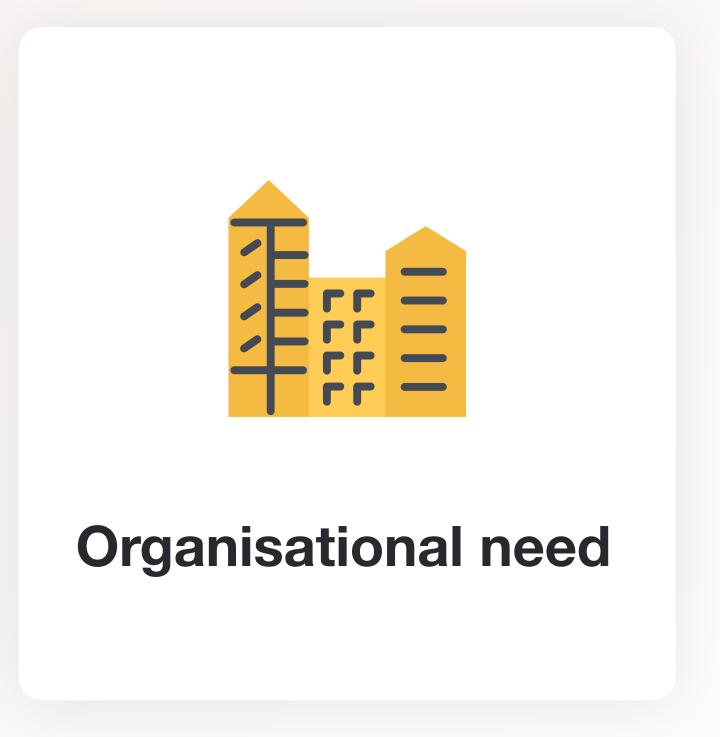
It depends...



Priorities







Update Cadence



Fast and furious



Fast, but not so furious



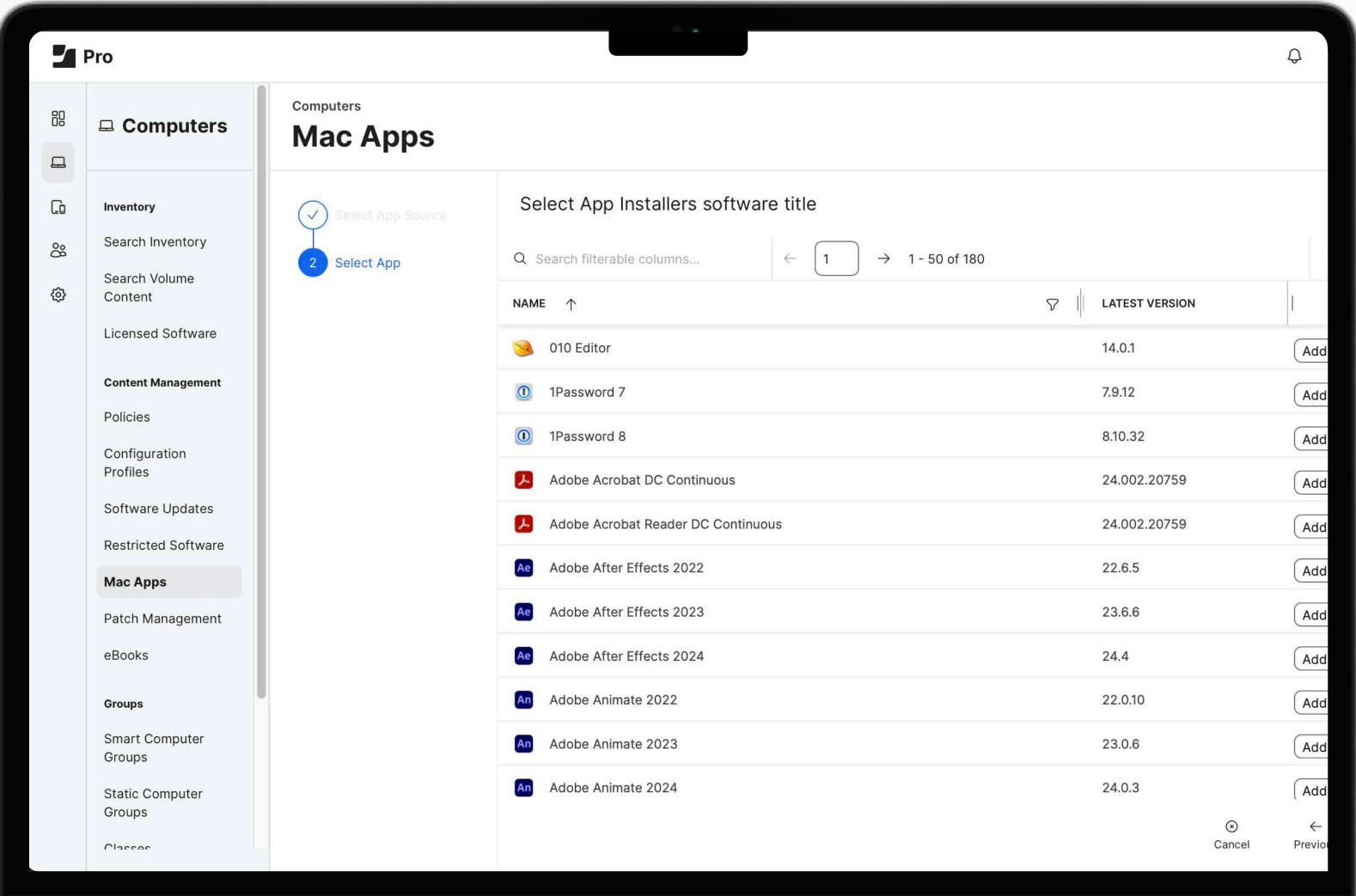
Slow and steady

Choose your method

	App Store Apple's native method for all MDM providers	Jamf App Catalog Quick and easy deployment of over 180 third-party apps	Package and Policy* Traditional workflows for deploying packaged software	Jamf and When you need something a little different
Underlying technology	APNsMDM Commands	APNsMDM Commands	Jamf PoliciesJamf Patch Reporting	• Various
Deployment methods	AutomaticSelf Service	AutomaticSelf Service*	AutomaticSelf Service	• Various
End-user experience	 No user interaction Automatic update only if app is closed 	 Custom notifications and deferrals Forced with deadline and grace period 	 Custom notifications and frequency Forced with deadline and grace period User deferrals 	• Various
Version control	 Current at time of deployment* Optional automatic updates* 	 Current at time of deployment* Optional automatic updates* 	Any desired versionOptional downgrades	• Various

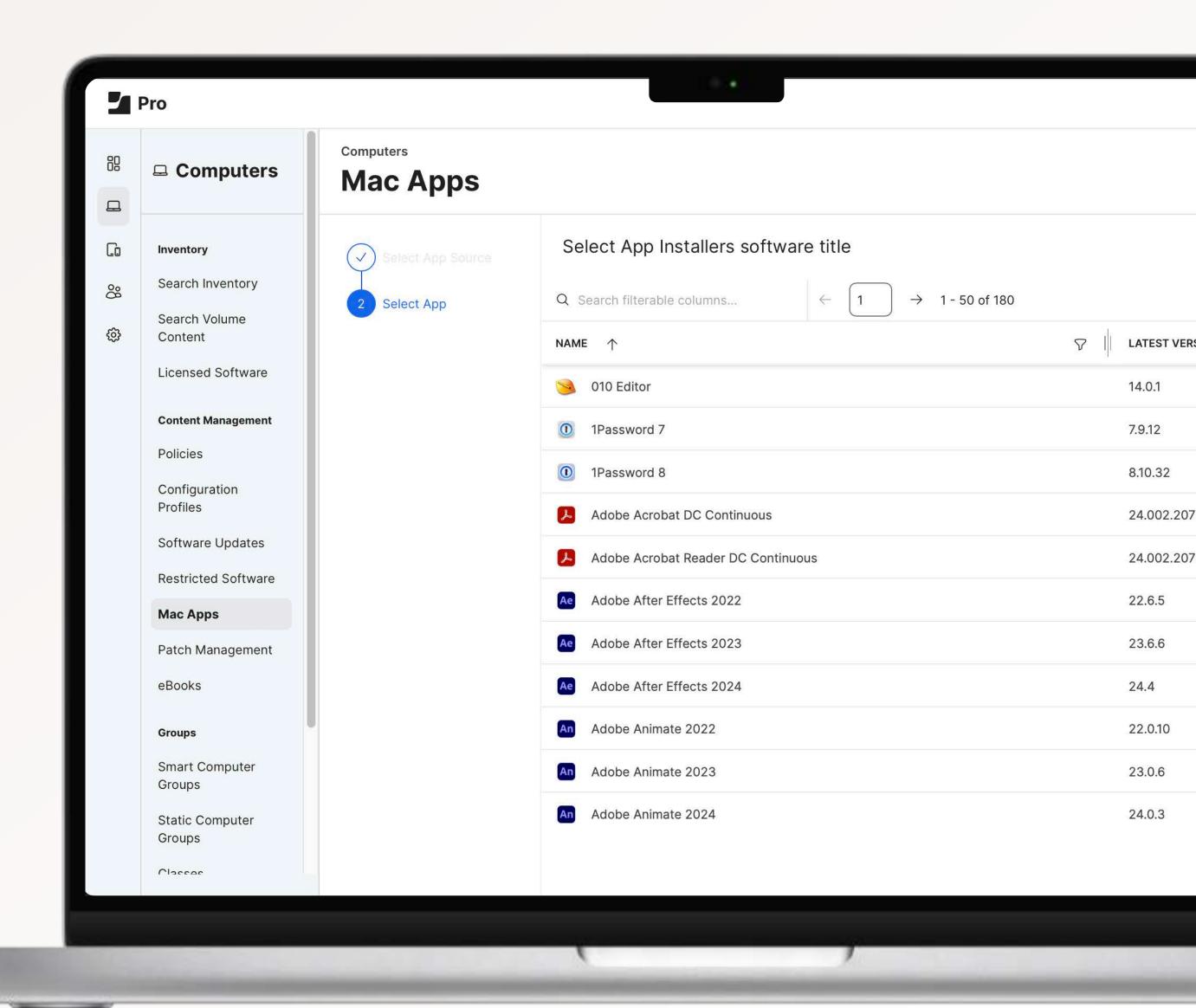


Focus Jamf App Catalog

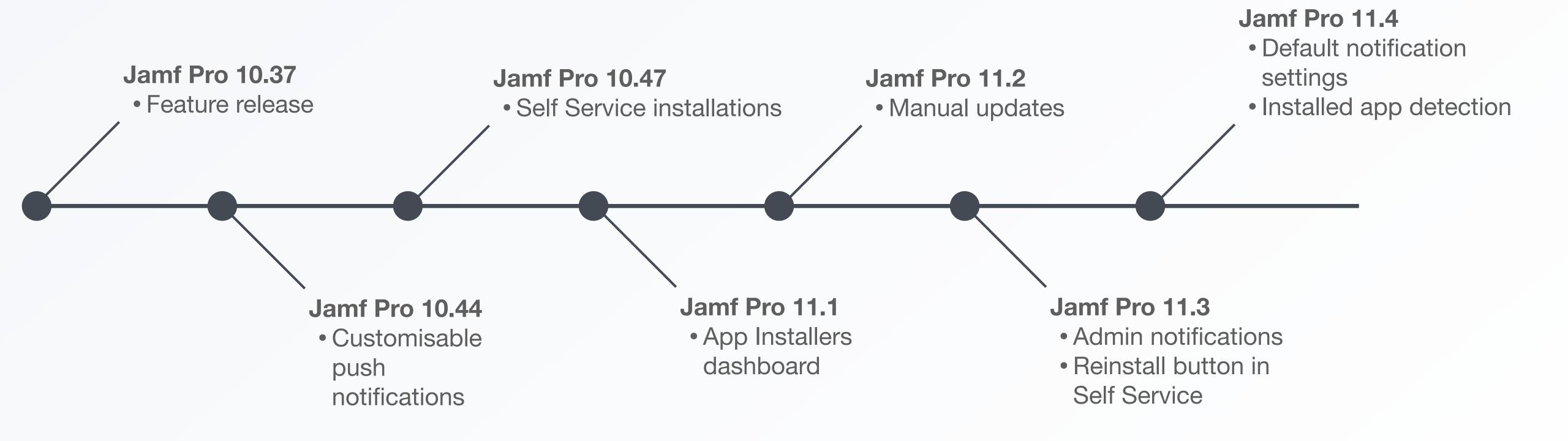


Focus Jamf App Catalog

- 180 macOS apps
- Streamlined deployments
- Automated and Self Service deployment methods
- Advanced configuration capabilities



History Jamf App Catalog



How do we avoid this?

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Configurations

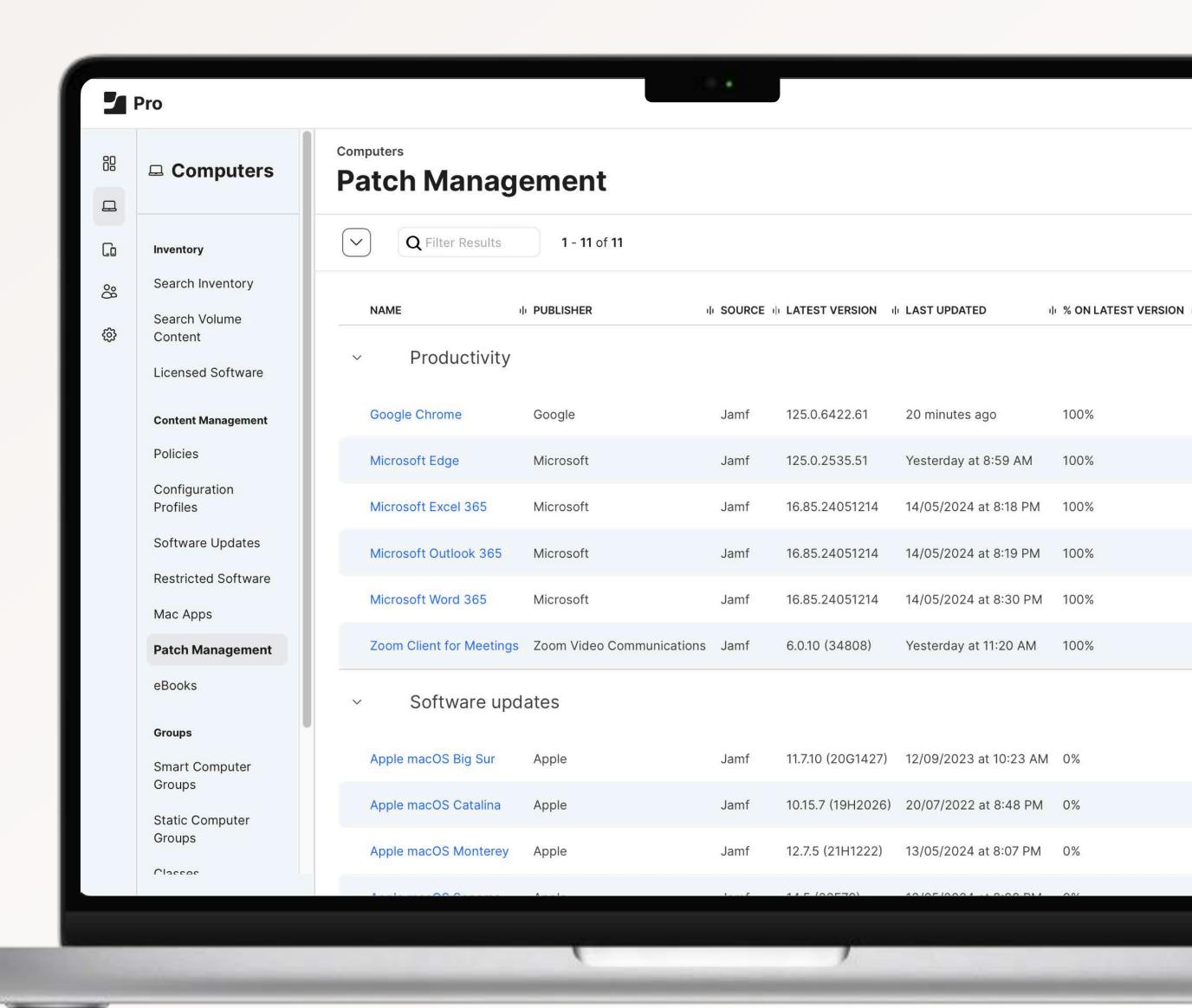
- Functionality
 - PPPC
 - System Extensions
 - Content Filter
 - Managed Login Items
- Notifications
- Application & Custom Settings





Monitoring Application Lifecycle Management

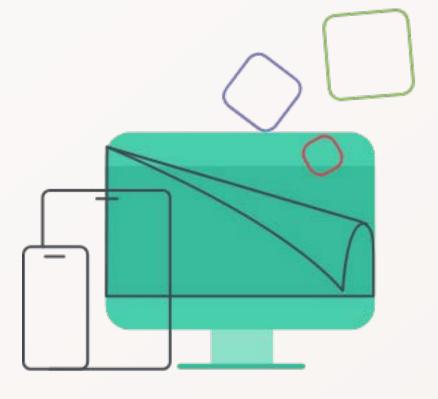
- Patch Management
- Jamf App Catalog
- Smart Groups
- Advanced Searches



Jamf Marketplace

The Marketplace is a central location for you to find, learn about and use valuable tools that integrate with and extend the Jamf platform.

- Microsoft
- Google
- Adobe
- Open source...





Your mission, should you choose to accept it...

Try Software Updates, send a DDM update to a supported device

Try Jamf App Catalog, choose and app to install or update

