Mac as Choice with VMware Workspace ONE

Leading Platform for Employee-Choice Initiatives

Kevin Satterwhite

Sr Sales Engineer, US West

Mac Champion

2019

The Digital Workspace

VMware Workspace ONE™
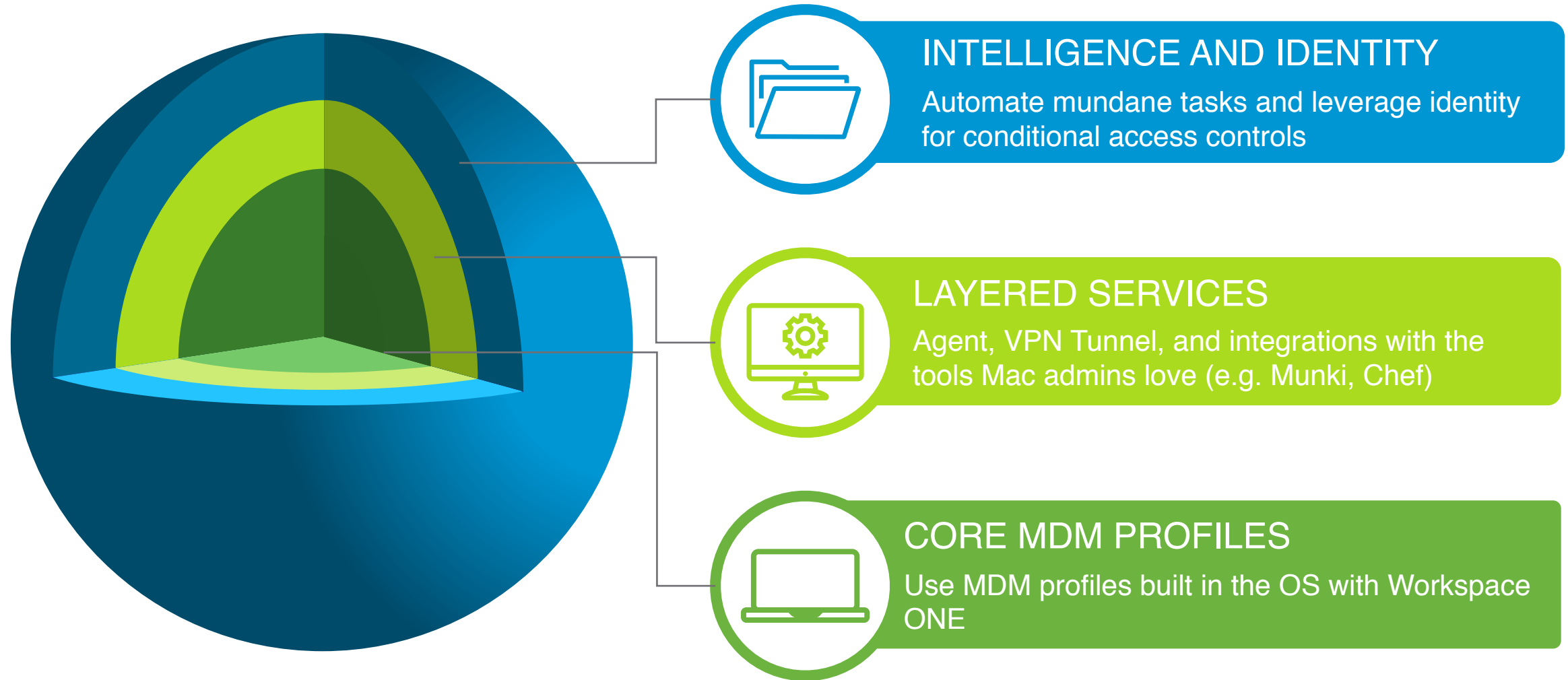
Intelligence

Identity Manager

Horizon®
Horizon Cloud™
Solution to deliver virtual apps

Workspace ONE UEM powered by

AirWatch

Platform for central management of
any Apple device

Workspace ONE Architected with MDM at the Core

INTELLIGENCE AND IDENTITY
Automate mundane tasks and leverage identity for conditional access controls

LAYERED SERVICES
Agent, VPN Tunnel, and integrations with the tools Mac admins love (e.g. Munki, Chef)

CORE MDM PROFILES
Use MDM profiles built in the OS with Workspace ONE

Modern Mac Management with Workspace ONE

DEVICE / OS MANAGEMENT			APP MANAGEMENT	SECURITY
DEPLOY	CONFIGURE	PATCH	DISTRIBUTE	SECURE
Device Enrollment Program	APNs & AWCM	Push Updates	App Lifecycle Management	Device Health & Compliance
Bootstrap Packages	Instant Policy Configuration	Configure Corporate SUS	Native, Web, Virtual Apps	Admin Passwords & Certificates
Imageless Provisioning	Asset Tracking and Inventory		Self-Service Access & SSO	FileVault Encryption

vmware®

Simplified Onboarding Options for Any macOS Device

NEW DEVICES

Device Enrollment Program integration enables OOBE with customized setup

Policies and controlled admin account creation

Bootstrap package deployment

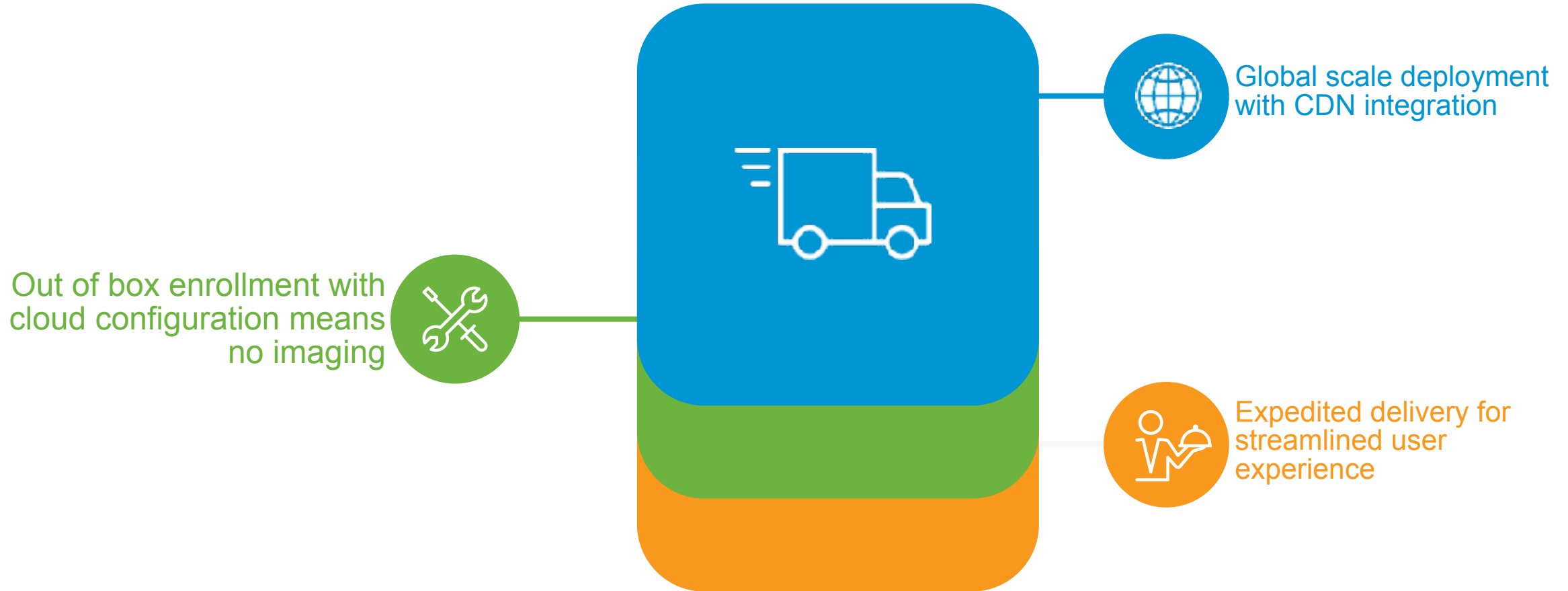## EXISTING DEVICES

Web-based enrollment

Staged enrollment

Bootstrap package deployment

Bootstrap Package Deployment Eases Mac Deployment

Custom configuration and software distribution without costly imaging processes

Global scale deployment with CDN integration

Out of box enrollment with cloud configuration means no imaging

Expedited delivery for streamlined user experience

Welcome

In just a few steps, you can register and set up your Mac.

United States
Canada
United Kingdom
Australia
New Zealand
Ireland
Singapore

☐ Show All

← Back   → Continue

Do you need to hear instructions for setting up your Mac?
To learn how to use VoiceOver to set up your computer, press the Escape key now.

Enable Secure Access to Any App, From Any Apple Device

Unified Catalog with SSO and conditional access for any Native, SaaS, and Virtual App

License and deploy App Store apps with Volume Purchase Program

Easily distribute native Mac apps and enable SSO for SaaS apps

Virtualize existing Windows apps with native look and feel for end users

Enable conditional access controls, per App VPN and self service catalog

Self-Service Enterprise App Store and SSO for Peak User Experience

BUSINESS

Increase productivity by reducing time spent waiting on IT

Deliver anytime, anywhere access to work apps and services

IT

Reduce need for deskside and central support

Unify device and identity management tools and processes

OOB CONFIGURATION
For instant onboarding and productivity on any device

UNIFIED CATALOG
For one-touch SSO access to any app across devices

NATIVE APP SUPPORT
Sequence distribution across .pkg, .mpkg, .app, .dmg

VPP
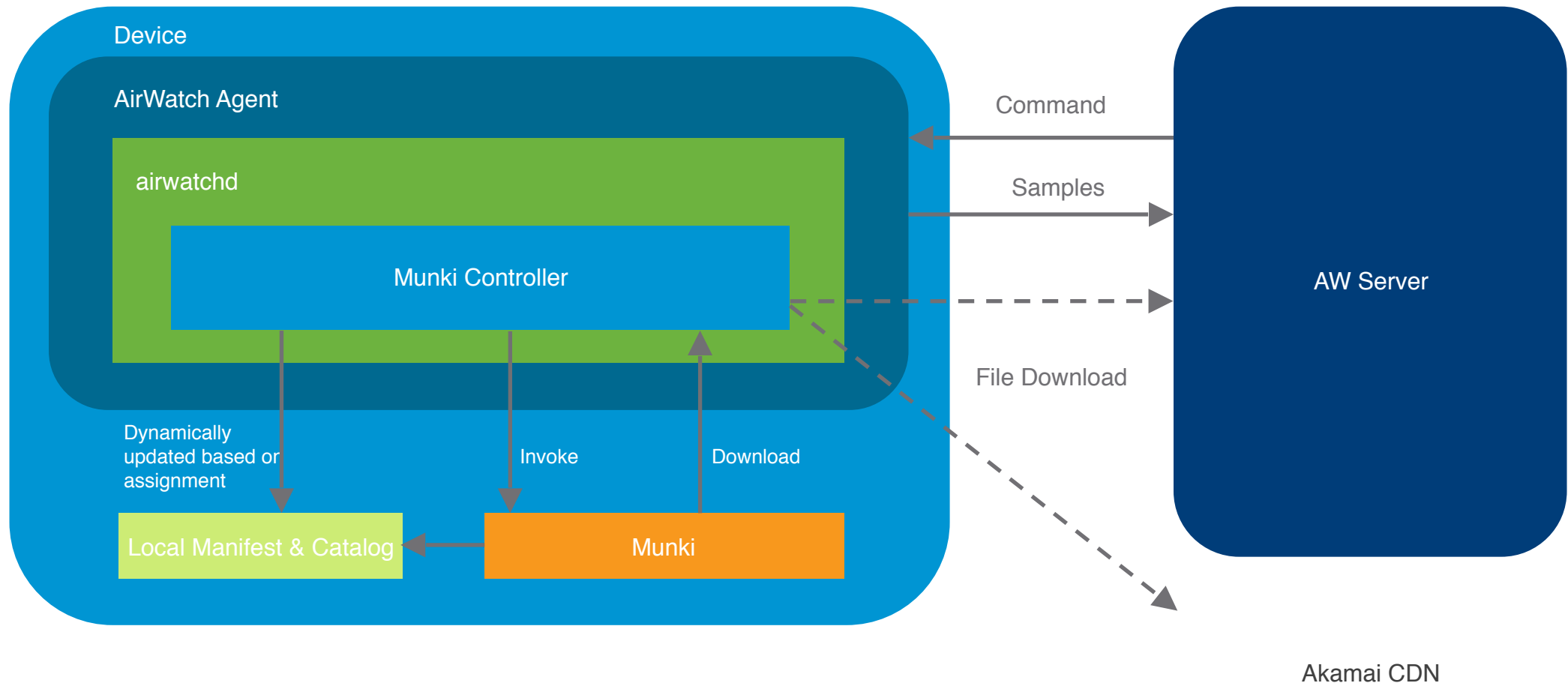Supports corporate-purchased VPP app management
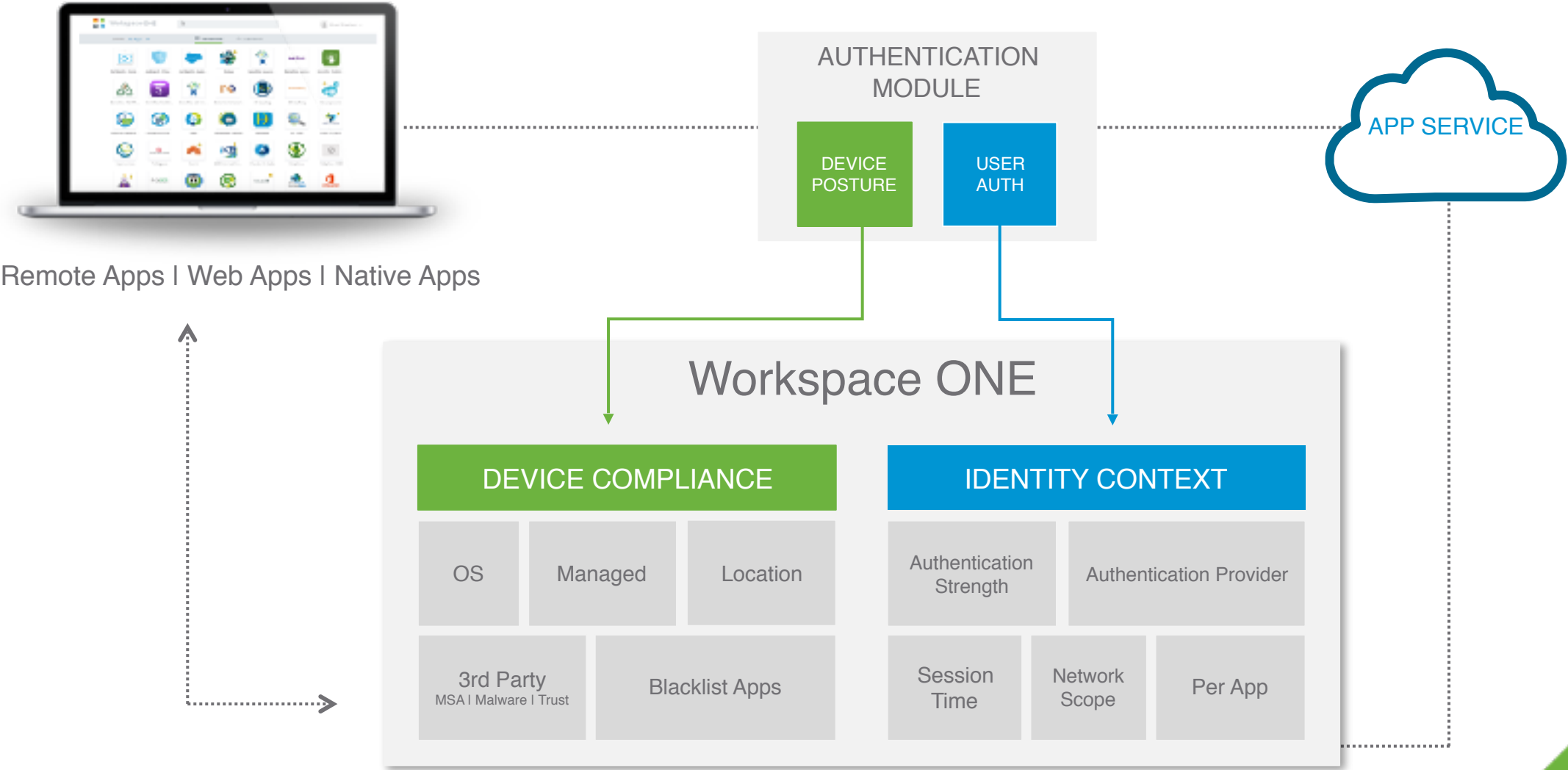
USER SELF-SERVICE
For anytime access to apps and passwords

Software Management with Munki
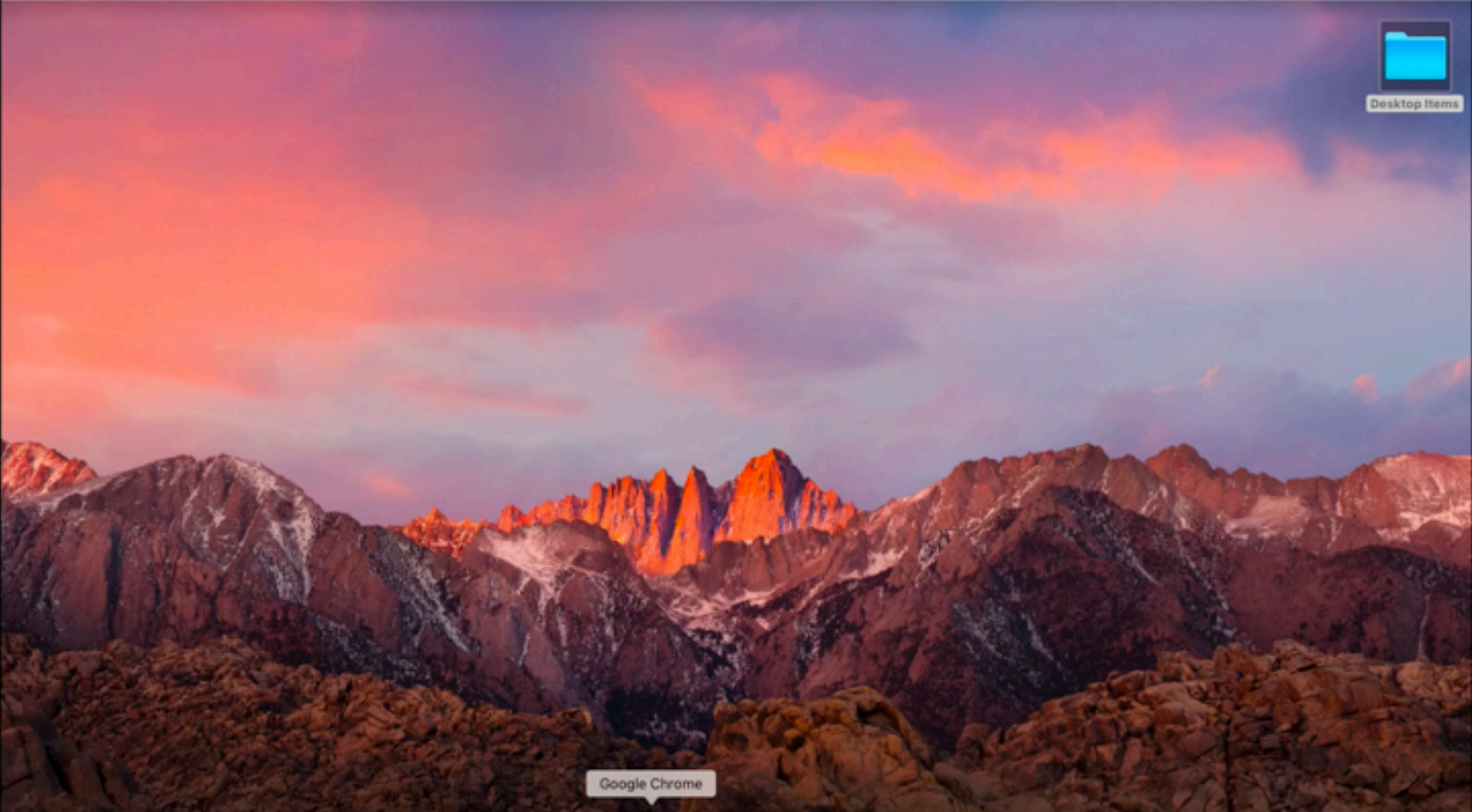
Architecture

Device

AirWatch Agent

airwatchd

Munki Controller

Dynamically updated based on assignment

Invoke

Download

Local Manifest & Catalog

Munki

Command

Samples

File Download

AW Server

Akamai CDN

vmware®
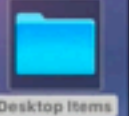
Leverage Built-In Identity and Compliance for Conditional Access
No Third Party Required to Enable Conditional Access

Remote Apps | Web Apps | Native Apps

AUTHENTICATION MODULE

DEVICE POSTURE

USER AUTH

APP SERVICE

Workspace ONE

DEVICE COMPLIANCE

OS	Managed	Location

3rd Party MSA	Malware	Trust	Blacklist Apps

IDENTITY CONTEXT

Authentication Strength	Authentication Provider

Session Time	Network Scope	Per App

Comprehensive Mac Security and Compliance

FILEVAULT AND GATEKEEPER

Define settings for FileVault to ensure encryption

Stop app downloads from unknown sources with Gatekeeper

FIREWALL AND FIRMWARE

Configure Firewall Settings to secure network connections

Utilize Firmware password for added protection

CERTIFICATE MANAGEMENT

Integrate with PKI

Renew certificates manually or automatically

COMPLIANCE ENGINE

Define policies and monitor compliance

Configure escalation policies to notify users if non-compliant

vmware®

Case Study: Mac@VMware Enables Mac as Choice Program

VMware Workspace ONE and Apple Business Manager Enable a Mac as Choice program to manage 10,000+ Macs

OBJECTIVE

Provide Mac as Choice program for employees to be productive on devices they prefer to use, and move off legacy tool to one console to manage all Apple devices alongside other operating systems.

CHALLENGES

- Legacy solution relied on Active Directory, providing a frustrating experience with Keychain and FileVault
- High-touch deployment with legacy imaging processes and ongoing maintenance for IT
- Disjointed app access for users across App Store, native, SaaS, and virtual applications

SOLUTION

- Introduce Mac as Choice program for employees
- Migrate to VMware Workspace ONE and Apple Business Manager (DEP and VPP) to streamline setup and ongoing management of macOS devices
- Save costs by managing Mac, iPad, iPhone and other devices from a single console using Workspace ONE
- Enable frictionless app access to all App Store, native, SaaS and virtual apps with consistent experience across Apple devices

Learn more here

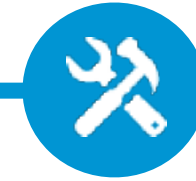Deploy Macs with Apple Business Manager

Enable global branch office and remote workers

Reduce costs with a single cloud-based solution for all endpoints

Why Workspace ONE for Mac as Choice Program

Modern, Imageless, Over-the-Air Management

Single Pane of Glass to Manage All Apple Devices

Consistent User Experience with Unified App Catalog

Simplify Transition to Mac by Eliminating the App Gap

Integrate with Leading Tools and Apple Mobility Partners

Top Reasons Why Workspace ONE Beats the Competition

User Experience

Unified app catalog across any Apple device with single sign-on and user self service

Deployment

Streamlined setup with Device Enrollment Program and VMware Bootstrap Package

Security

Built-in conditional access, identity and full certificate lifecycle management

Pricing

User-based license at $6.52/month without need for separate conditional access system

Resources to Get You Started with macOS Management

We have you covered whether you are learning, testing, or ready to deploy…

Learn Workspace ONE for modern Mac management

Demos
macOS Management
https://videos.vmtestdrive.com/cards/164d2494-e5bf-4ae8-9a94-7efed461f9ba

Apple Business Manager
https://youtu.be/r4kjzTv7UNw

Apple DEP + Bootstrap Package
https://youtu.be/l5uTxnHB_kI

Hands-on Labs
http://labs.hol.vmware.com/HOL/catalogs/
(HOL-1957-05-UEM)
Module 2 – Basic macOS
Module 3 – macOS software distribution

TestDrive Workspace ONE on your Mac devices

Sign up for VMware TestDrive https://portal.vmtestdrive.com/

Getting Started: TestDrive https://kb.vmtestdrive.com/hc/en-us/articles/360001372254-Getting-Started-with-TestDrive

Get Started on Your POC or Deployment

Quick-start guide for macOS management https://techzone.vmware.com/quick-start-tutorial-series-cloud-based-vmware-workspace-one#245206

3rd Party App Management https://techzone.vmware.com/workspace-one-operational-tutorial#260276

VMware Embraces the Mac Community in 2018

Relationships with Apple Partners

Cisco

SAP

IBM

Accenture

Deloitte

HP Inc.

Dimension Data

Okta

Box

Integration and interoperability with tools Mac admins love

Munki

Chef

Puppet

Santa

NoMAD

DEPNotify

osquery

Involvement in Mac-related initiatives and events

Mac Admins Slack Channel

VMUG training and events

VMworld | U.S. Aug. 26 | EMEA Nov. 5

MacTech Pro | Boston, March 14 | Denver, April 18 | Seattle, May 2 | Washington, DC, May 16 | Atlanta, June 20 | Chicago, July 18 | Orlando, Aug. 15 | San Fran, Aug. 29 | New York, Sept. 26

Mac UK | London, Feb. 20-21

MacDevOpsYVR | Vancouver, June 6-8

MacAdmin | Penn State, July 10

MacSysAdmin | Sweden, Oct. 2-5

MacTech | Los Angeles, Nov. 7-9