The Imperative to Modernize

Saying Goodbye to ADFS and Going Beyond AD

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What is your current stance on moving Identity and Access Management to the cloud?

1. Skeptical
2. Optimistic
3. Convinced

Reality Check

- **On-premises footprint is going to be around for a while**
  - Large surface area
  - Technical and non-technical challenges
  - Focus on breaking the surface area in smaller problems

- **The good news**
  - You can migrate a lot of identity functions to the cloud at your own pace… right now!

Benefits

Microsoft Entra expands beyond identity and access management

Better Security

- Better credentials: MFA, passwordless, modern password policies
- Modern Access Control
- Better signals to measure risk, based on AI/ML

Conditional Access

Identity Protection

Better Productivity

- Optimized for remote work
- Single Sign On across any user and any app
- Automated lifecycle management
- Self-service

Provisioning-Deprovisioning

Identity Governance

.. with better ROI

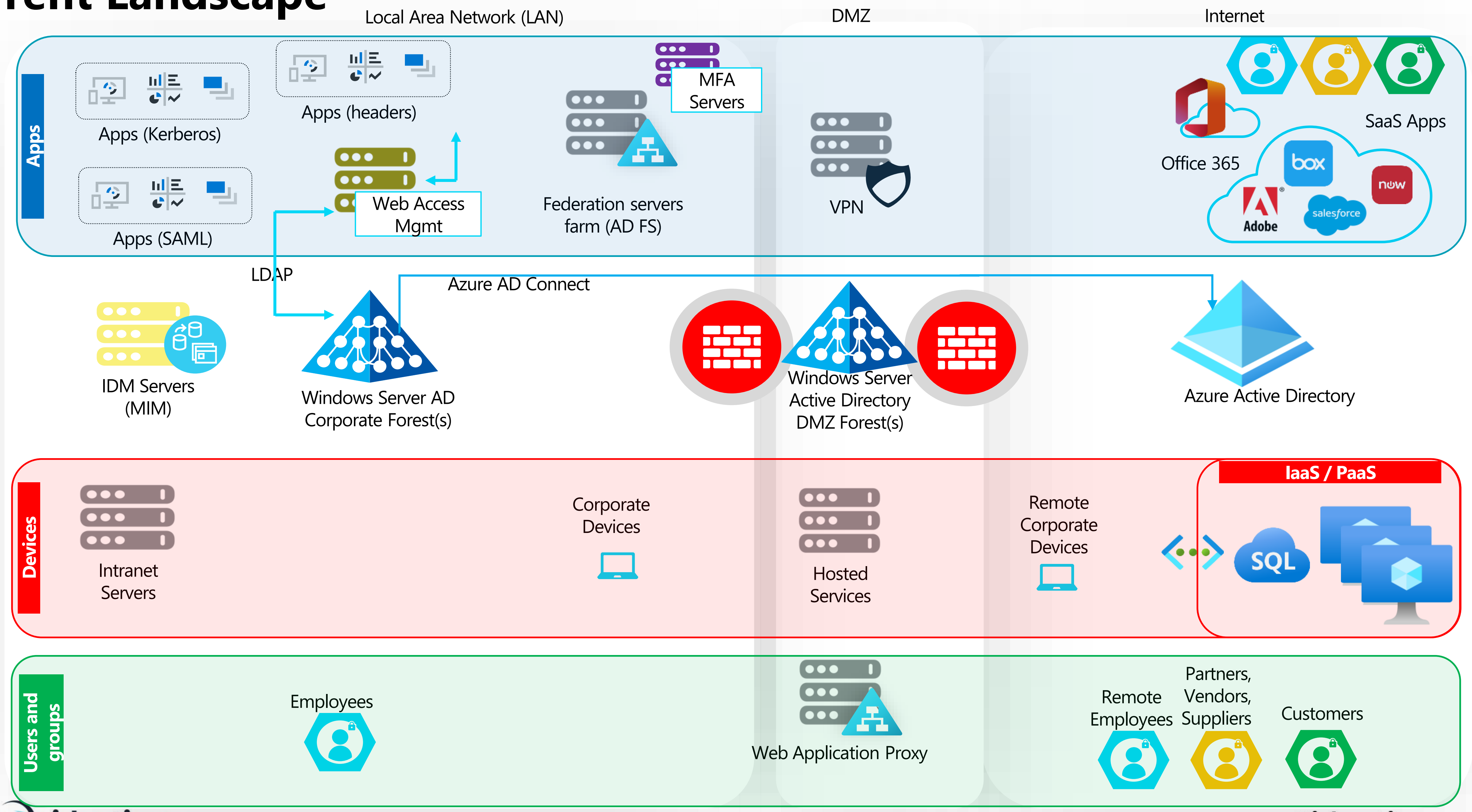
- Reduction of complex and costly 3rd party products and integration
- Reduction of the cost of procuring and maintaining aging infrastructure
- Shorter time to value

Retire Infrastructure

Resiliency

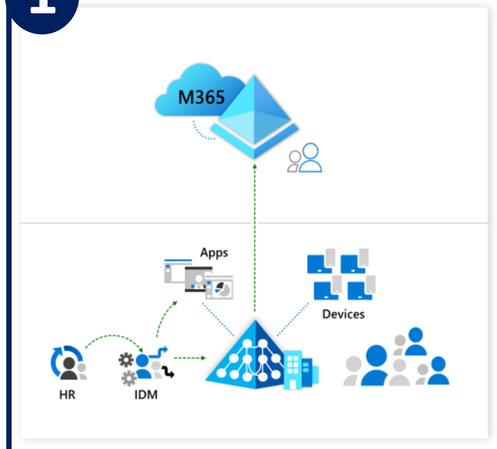
The Basics

Current Landscape

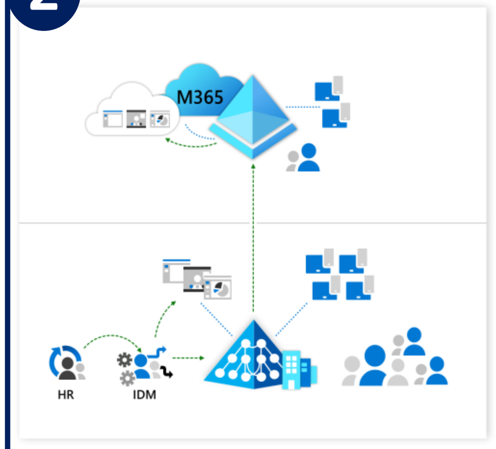


States of Transformation

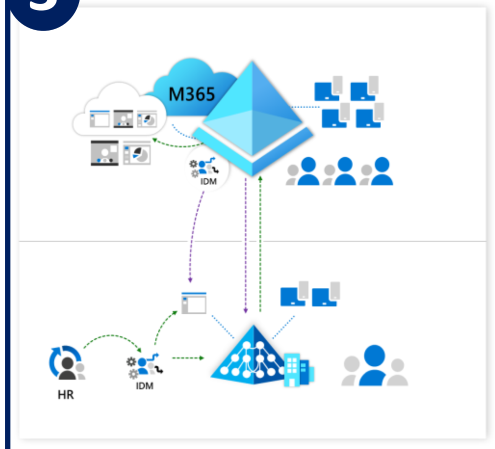
1 Attach to cloud



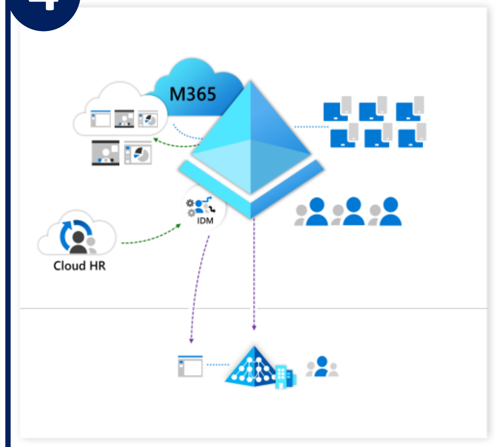
2 Get Hybrid



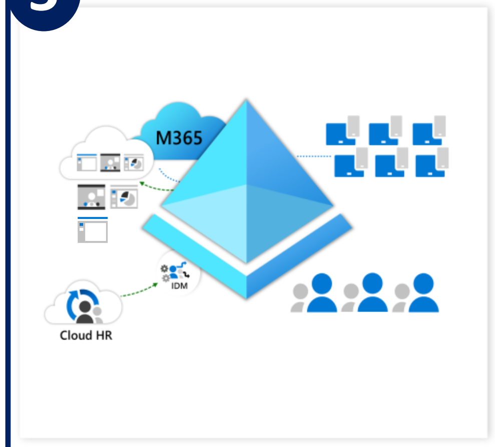
3 Decouple from on-prem



4 Cloud-Centric, AD minimized



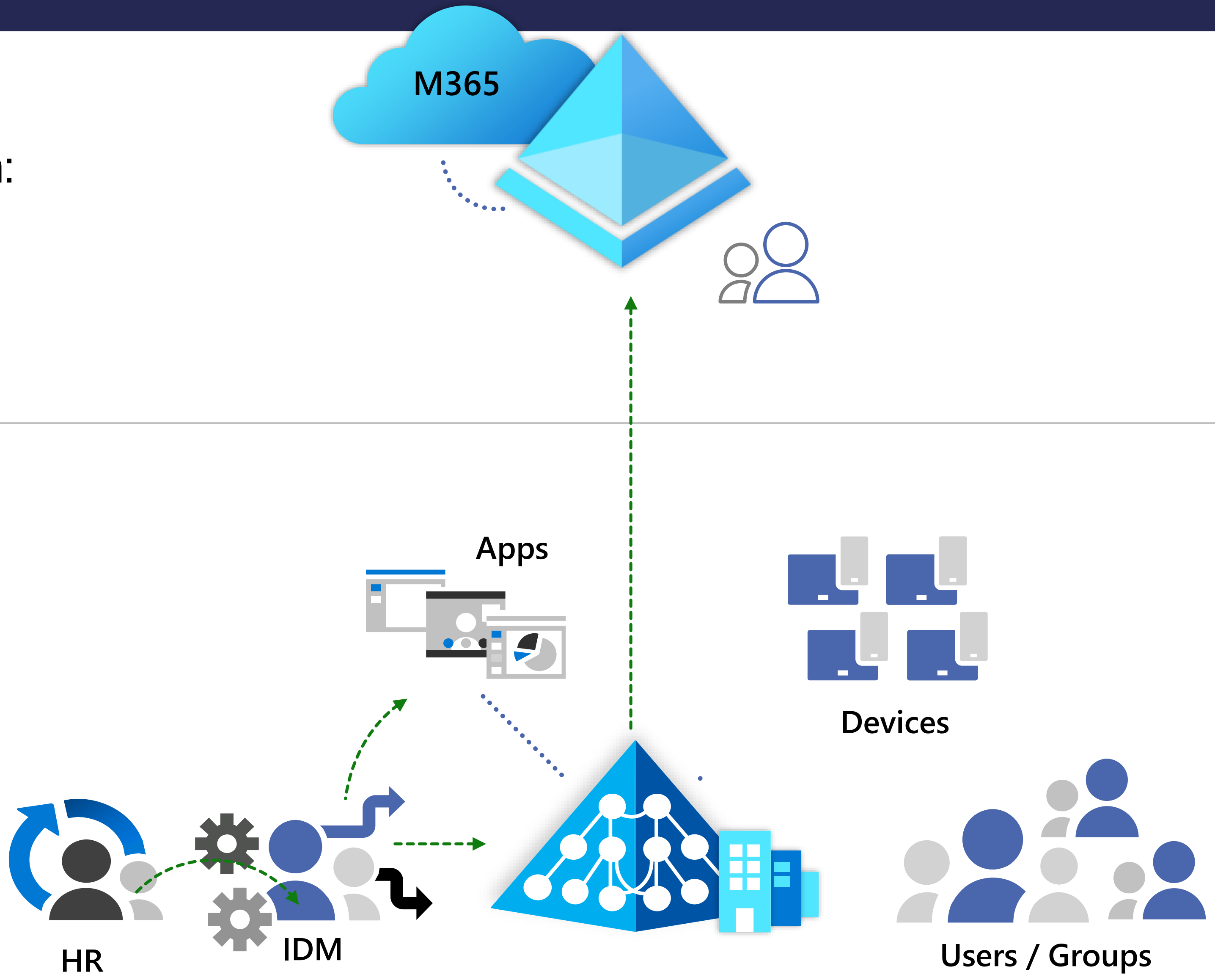
5 100% Cloud



1 Cloud Attached

Environment stays as-is, no transformation:

- Synchronization and hybrid auth established
- Goal is to enable workloads in the cloud

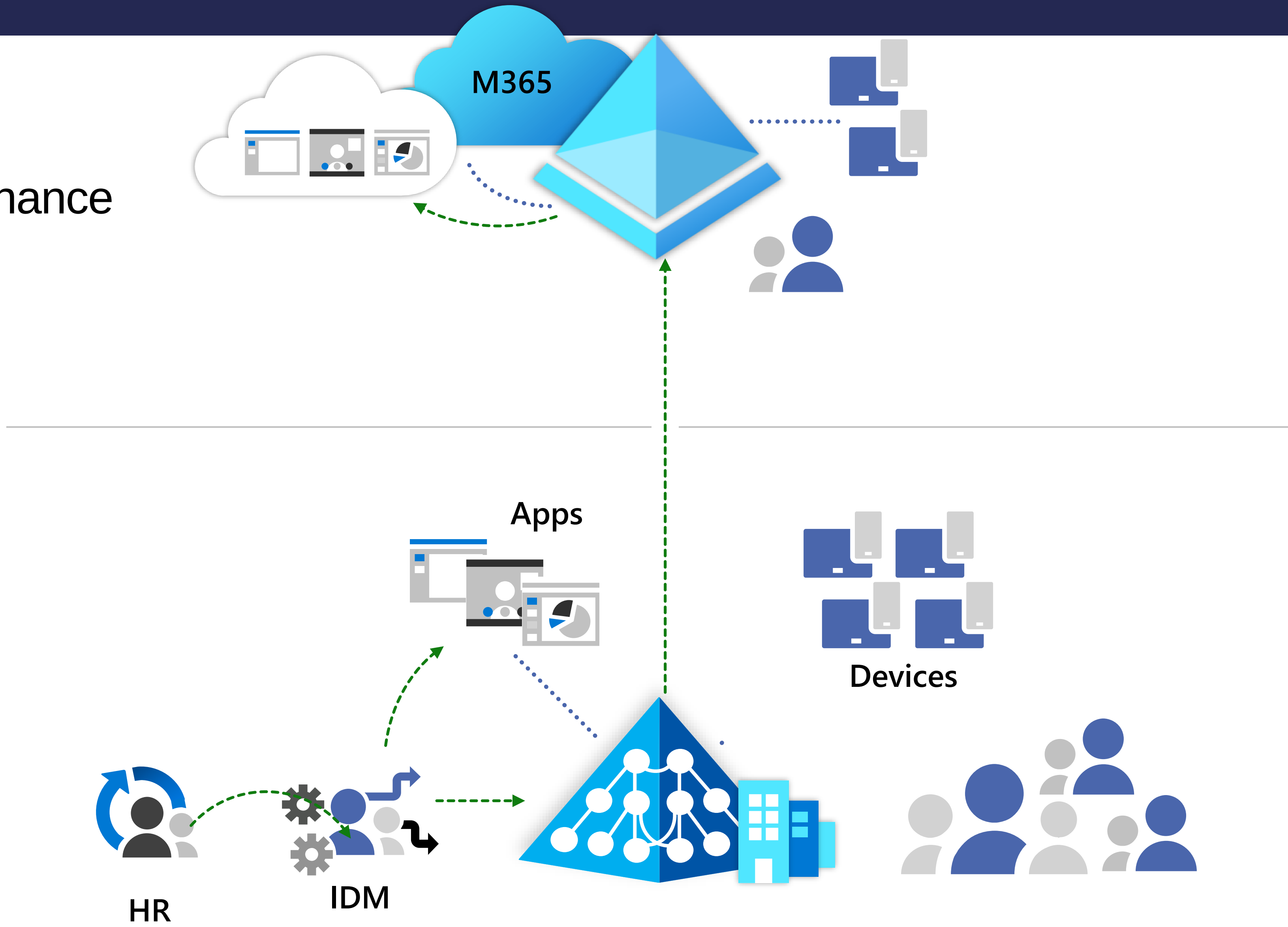


Key:
IDM: Identity Management System
HR: Human Resources System

2 Hybrid

IAM capabilities are enabled to enhance existing on-prem environment:

- Hybrid AD Join
- Password management
- App proxy



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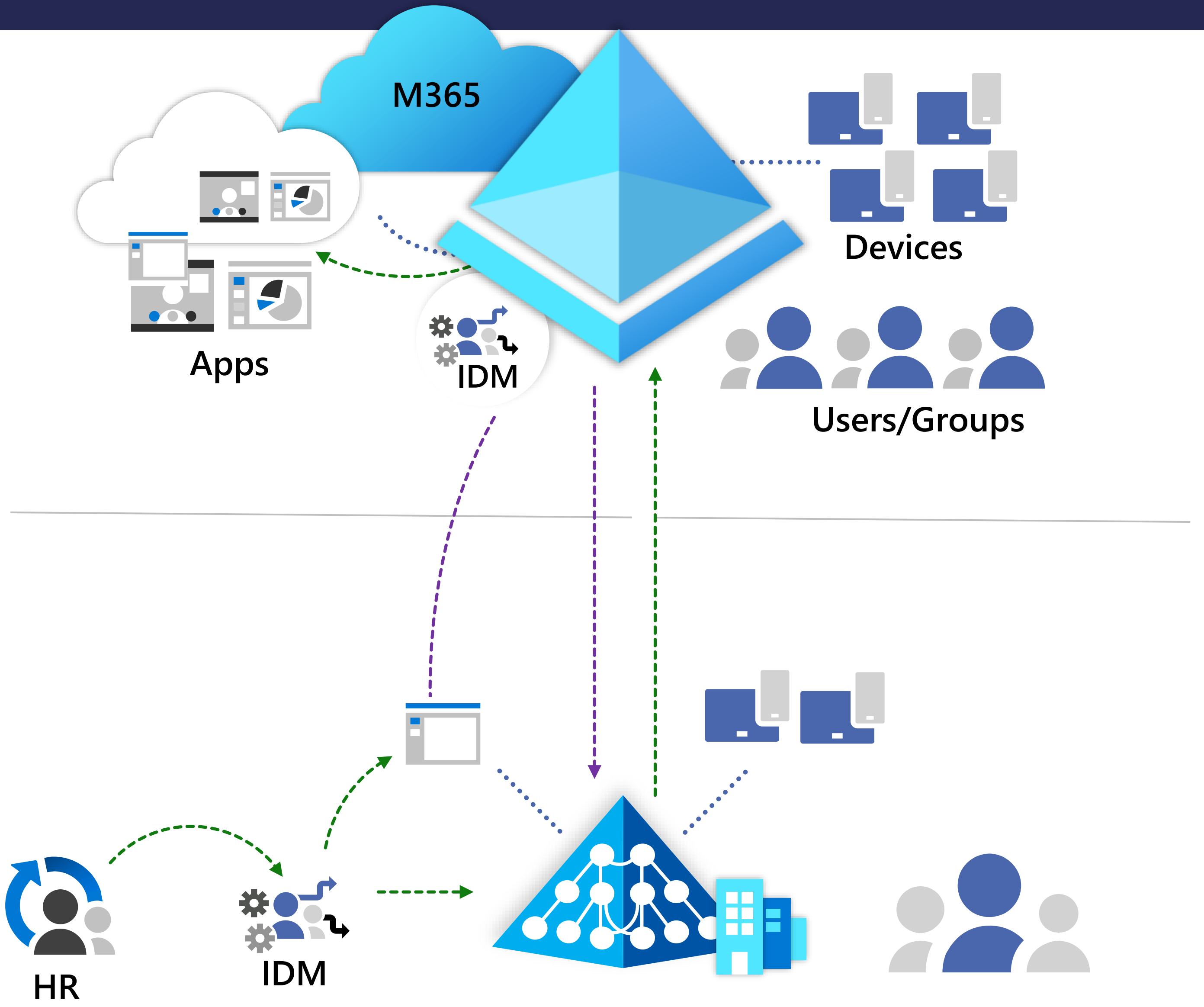
3 Cloud First

Cloud native capabilities become the default:

- AD FS / other on-prem federation and WAM infrastructure deprecated
- New Windows devices Azure AD joined and managed with Intune
- App provisioning
- New groups are created in the cloud
- No AD accounts for externals



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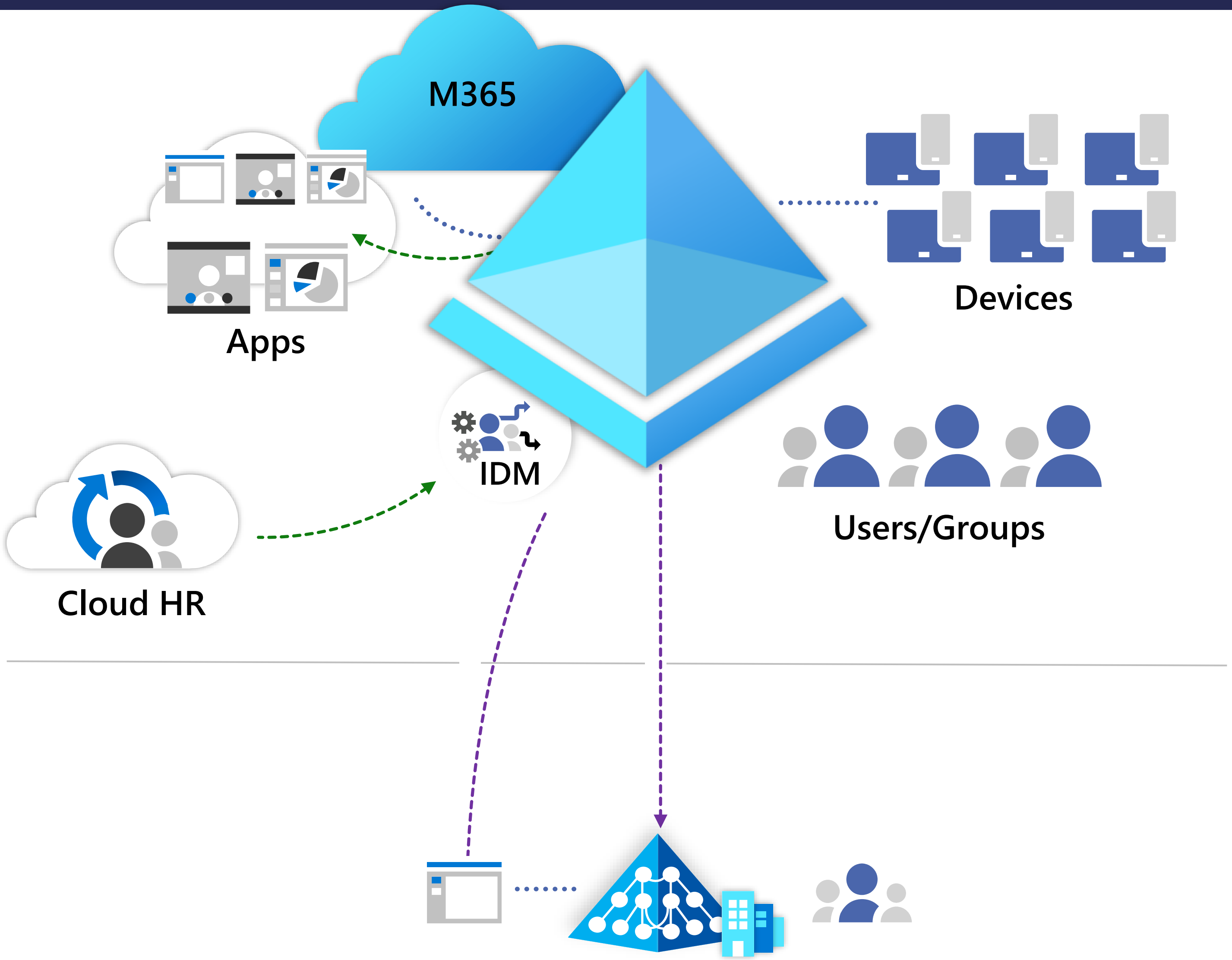
4 AD Minimized

AD footprint is contained to a subset of legacy scenarios:

- New users are provisioned cloud-only accounts
- On-premises workloads replaced with cloud alternatives if available



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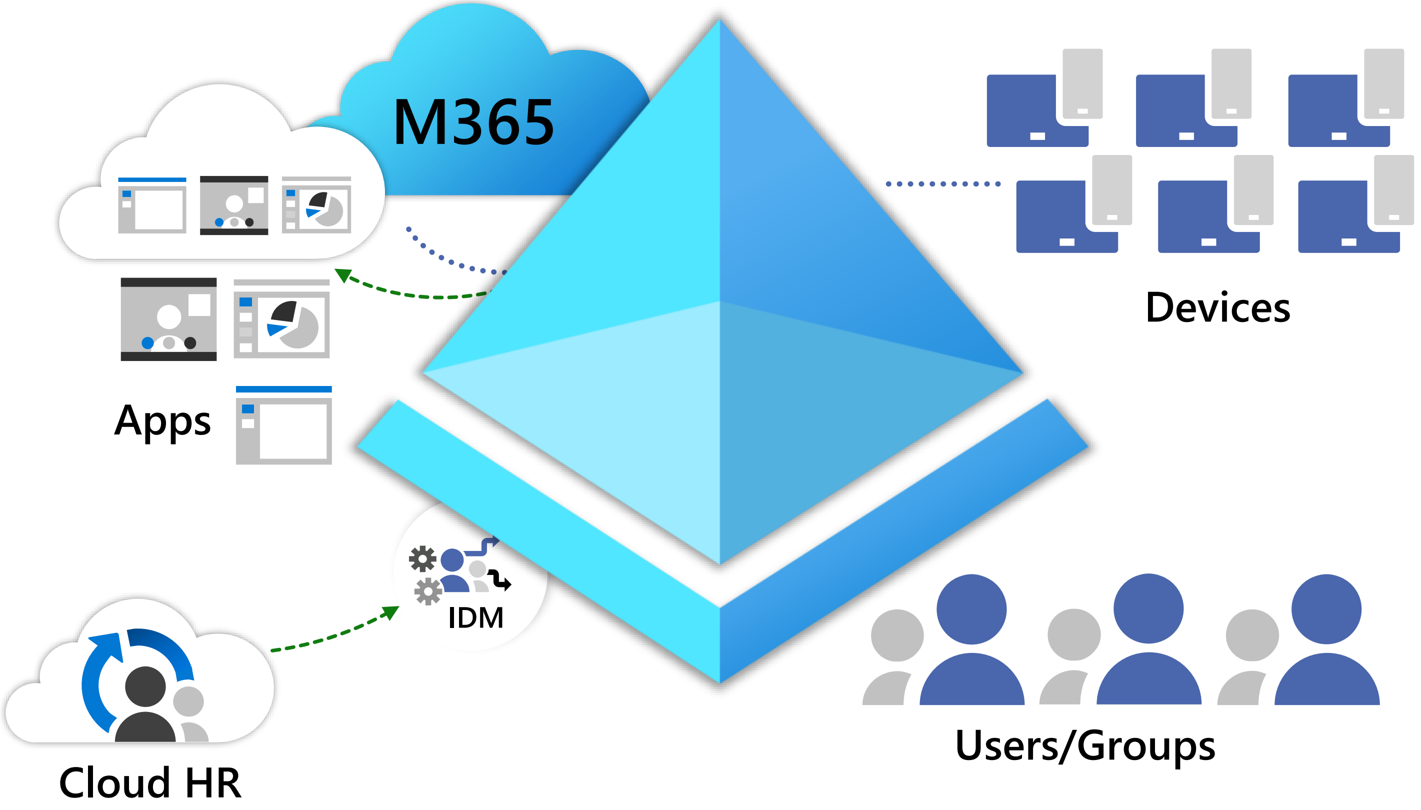
5 100% Cloud

No on-premises IAM footprint:

- User identity lifecycle managed with Azure AD
- All users and groups are cloud native
- Relocate network services that rely on AD



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Note: *This stage includes Azure AD future investments.*

States of Transformation – A Journey

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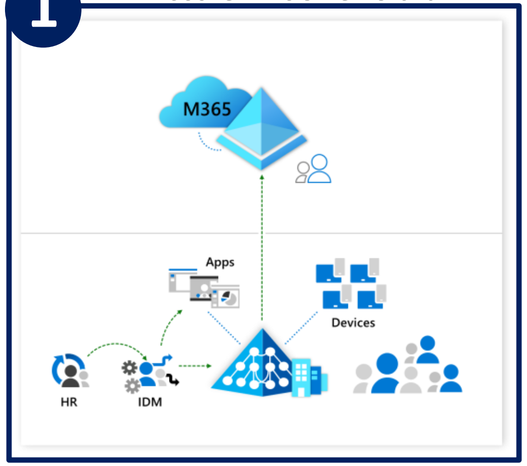

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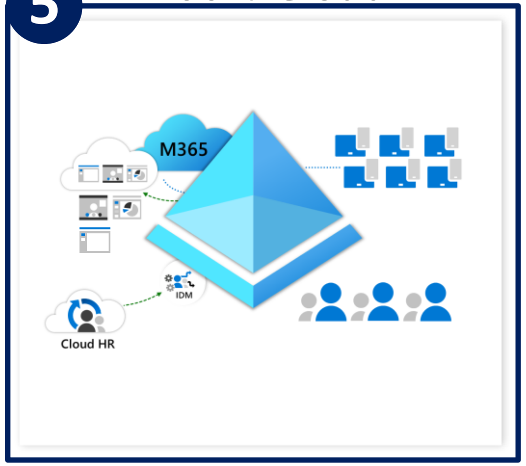


Multi-Year Effort

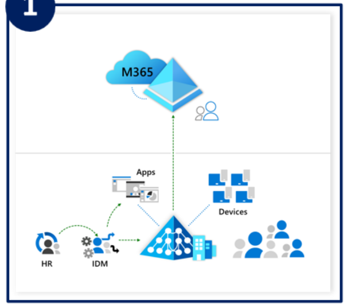
- For both you (adopt) and Microsoft (enhance the product)
- You will get value right now!
  - Don’t spend cycles w/on-prem clean ups
- Unknowns are expected

Azure AD is not “AD in the cloud”

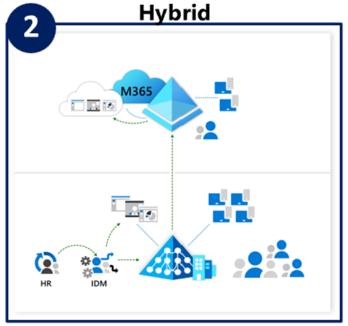
- Azure AD is an identity management system
- Focus on mapping requirements/outcomes, not features

Question

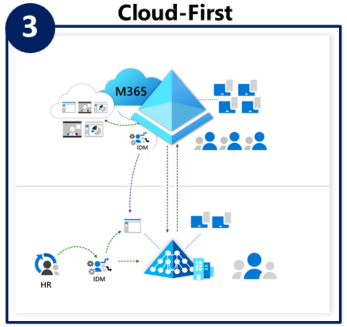
1 Cloud attached



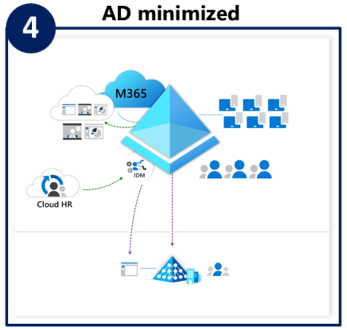
2 Hybrid



3 Cloud-First



4 AD minimized



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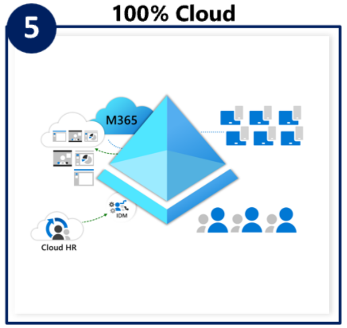


What state would you classify your organization today?

What state would you like to target?

Moving off AD is a long journey - not a sprint

When embarking on your journey

- Begin with the easy wins
- Inventory and plan for challenges
- Create project plans that include all stakeholders

Cloud First Approach

Cloud First Approach

Applications

App Buy / Build Guidance

- Prioritize cloud native alternatives with no on-prem infrastructure
- Require modern AuthN protocols (OIDC/OAuth2, SAML)
- Support modern provisioning (SCIM 2.0)
- No LDAP dependencies

Users/Groups

- Enrich user attributes in the cloud for
  - App provisioning
  - App authorization
  - Dynamic Group membership population
- Use External Identities for cross-company collaboration
- Use cloud groups for new app access
  - Dynamic group for automated group membership management
  - Self-service group management for user driven manual membership management
  - Evaluate Group Writeback for new groups that need to be on-premises

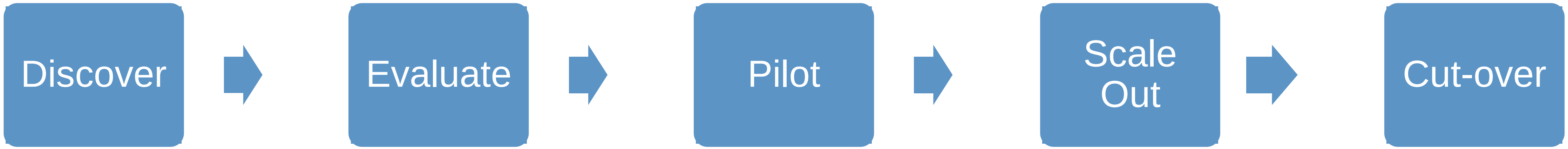
Devices

- Hybrid join existing domain-joined Windows clients
- Azure AD join for new Windows clients
- Apple SSO Extension
- Azure AD Passwordless
- Manage Windows clients with cloud-native unified endpoint management

  E.g., Microsoft Intune

  https://aka.ms/gpo2intune
- Autopilot to streamline device onboarding and provisioning

Migration Planning Framework



Discover

Evaluate

Pilot

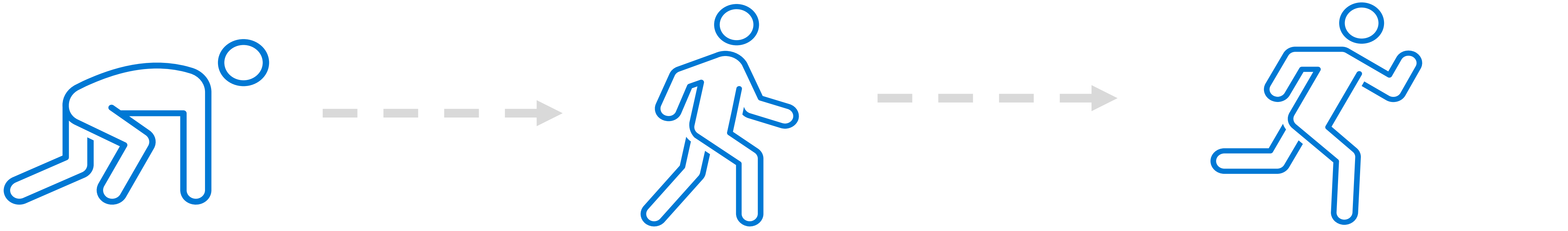
Scale Out

Cut-over

- Optimize for specific on-prem reduction goals
- Run multiple projects concurrently, based on your resources and change tolerance
- Identify and plan for dependencies between projects
- Project Management is key for success

Go-Dos

Read https://aka.ms/ad2azuread



One Month – Secure

Check your basics aka.ms/securitysteps and aka.ms/azureadsecops

Deploy Password protection

Turn on Password Hash Sync

Six Months – Transform

Azure AD Join new devices

Stop building/buying legacy auth apps

Deploy passwordless for privileged accounts

In Twelve Months – Scale

Scale out migration of modern auth apps to Azure AD

Scale out passwordless to all users

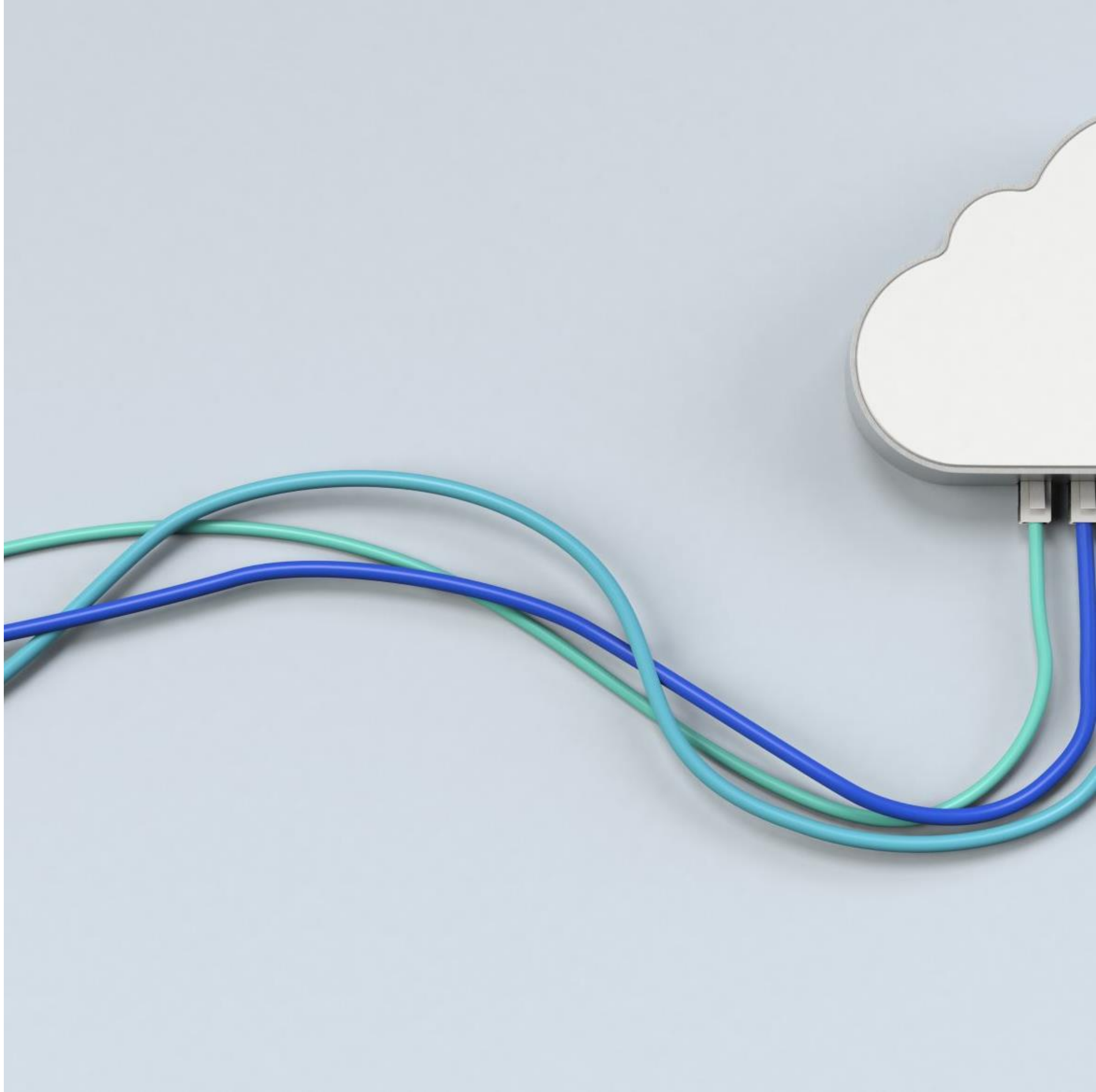
Organizations that pursue an all-in-one strategy to hybridization and eventual cloud migration of their enterprise directory will find Azure AD and adjacent Microsoft cloud technologies appealing.”

Gartner

“Active Directory in Transition” Report

AD Roadmap

- Focus of the team is around cloud investments to keep customers more secure against modern threats
- We are not deprecating AD at this time.
- Microsoft continues to fix security issues to keep you secure
- Go to the cloud!



THANK YOU!