

Identity Solutions on Azure

Few things can be as important to Microsoft than to retain the lead for and further expand the offering they have in Active Directory into the Azure Cloud.

AAD enables lots of scenarios for your modern and global authentication story.

Virtually no management coupled with powerful features for the enterprise makes AAD extremely competitive!

AD on Virtual Machine

Azure Active Directory – Introduction

Application Security – Azure AD Integration

Hybrid Identity

AD on Virtual Machine

Support for pre-requisites for existing applications, such as SharePoint.

High Availability Solutions for SQL Server Databases using Always-On Availability Groups.

Disaster Recovery solution for branch offices and a limited set of VM's.

Dev/Test Workloads.



Azure Active Directory – Introduction



Identity as a Service

Identity Management

Directory Services

Application Access Management

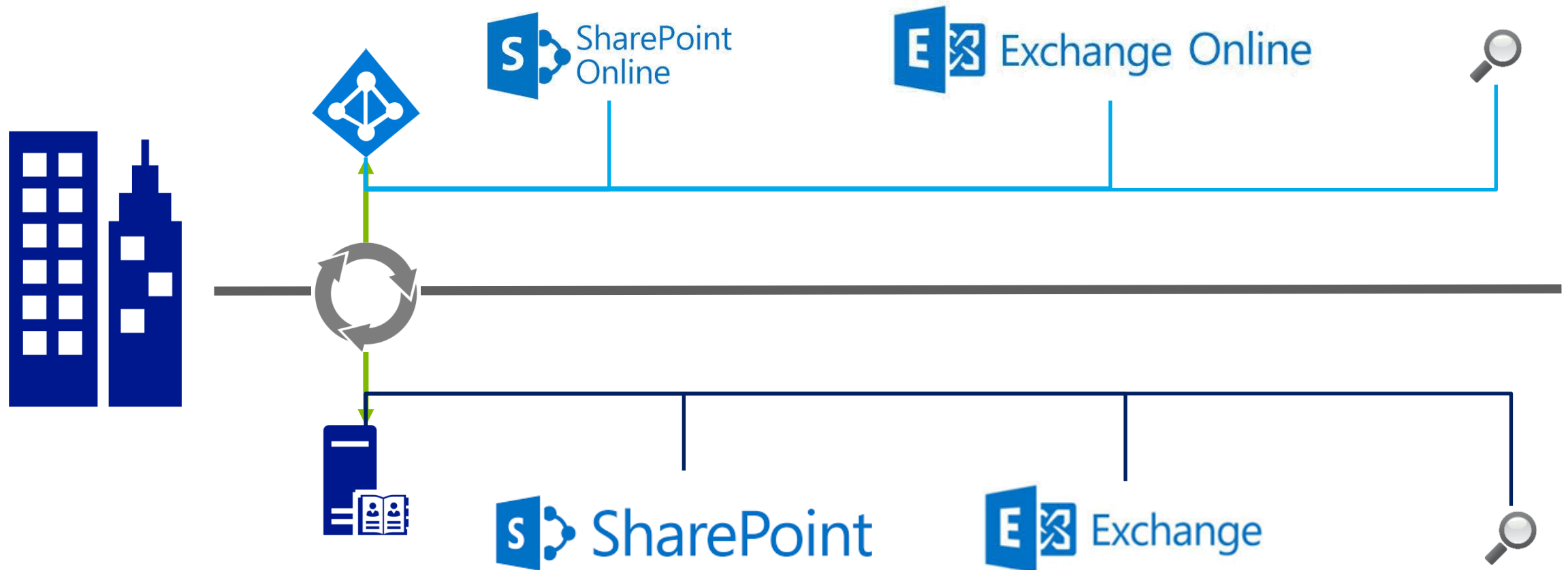
What is it?

- A multi-tenant service that provides enterprise-level identity and access management for the cloud.
- Built to support global scale, reliability and availability.
- Backed by a 99.99% SLA for Azure AD Premium or Basic.

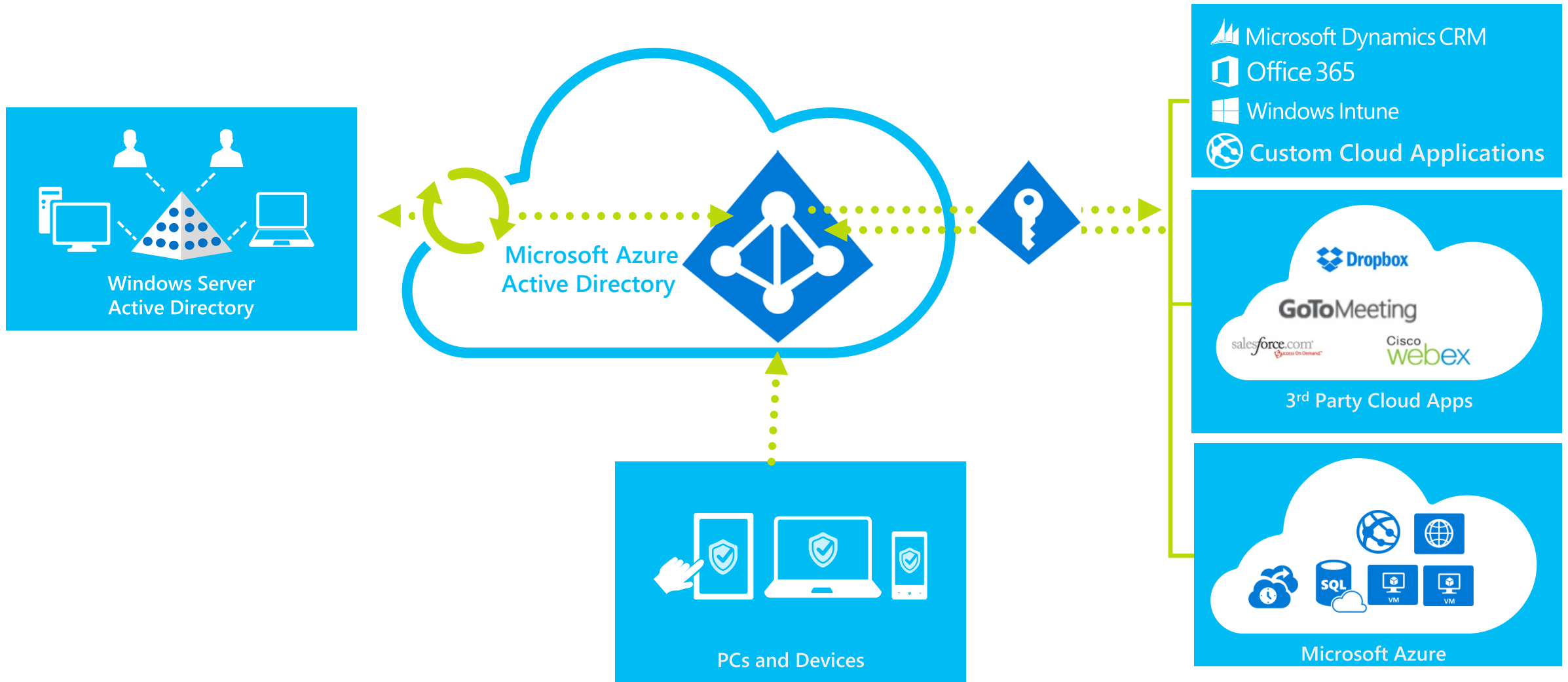
What can I do with it?

- Manage users and access to cloud resources.
- Extend your on premise Active Directory to the cloud.
- Provide single-sign-on (SSO) across your cloud applications.
- Reduce risks by enabling multi-factor authentication.
- Support development's need to build secure directory integrated applications for the enterprise.

Comparing Directory Services



Identities Everywhere



Azure AD Features by SKU



	FREE	BASIC	PREMIUM
Price (per user)	Free	Contact your Enterprise Agreement representative	Contact your Enterprise Agreement representative
Directory as a Service	✓	✓	✓
User and Group Management	✓	✓	✓
Directory Objects ¹	500K	Unlimited	Unlimited
End User Access Panel	✓	✓	✓
SSO for SaaS Apps	10 Apps / User ²	10 Apps / User ²	Unlimited
Directory Synchronization	✓	✓	✓
User-based Access Management and Provisioning	✓	✓	✓
Basic Security Reports	✓	✓	✓
Logon/Access Panel Branding Customization		✓	✓
Group-based Access Management and Provisioning		✓	✓

Azure AD Features by SKU continued



	FREE	BASIC	PREMIUM
Self-Service Password Reset for Cloud Users		✓	✓
Self-Service Password Reset for Users w/ writeback to on-premises directories			✓
Self-service group management for cloud users			✓
Multi-Factor Authentication (for cloud and on-premises applications)			✓
Advanced Usage and Security Reports			✓
Microsoft Identity Manager Server and User CAL			✓
Service Level Agreement		99.9%	99.9%

Application Security with Azure AD

Software-as-a-Service (SaaS) Applications

- Organizations increasingly rely on SaaS applications to support business activities.
- Microsoft Azure AD enables easy integration to many of today's popular SaaS applications, such as Salesforce, Box, Google Apps, DocuSign, DropBox. etc.

Tenets of Integrating SaaS Apps w/Microsoft Azure AD

- Single Sign-On (SSO) enables users to access their applications using their organizational ID.
- Account synchronization enables user provisioning/de-provisioning into application based on changes in Windows Server AD and/or Microsoft Azure AD.
- Centralized application access management.
- Unified monitoring and reporting.

Federation-based Single Sign-On

Users are automatically signed in to applications using their credentials from Microsoft Azure AD.

Password-based Single Sign-On

Users are automatically signed in to applications using their credentials from the 3rd party application.

myapps.microsoft.com

- This is where users can discover the applications they have access to.

Features of the Access Panel

- Users can change the password associated with their organizational account.
- Users can edit multi-factor authentication-related contact and preference settings.
- Users can view details about their account.

Discover Available SaaS Applications
Without Signing into the Azure
Management Portal

Featured



Box
By Box



Citrix GoToMeeting
By Citrix



Concur
By Concur



DocuSign
By DocuSign Inc.



Dropbox for Business
By Dropbox



Dynamics CRM
By Microsoft Corporation



Google Apps
By Google



Jive
By Jive Software



Office 365 Exchange
Online
By Microsoft Corporation



Office 365 SharePoint
Online
By Microsoft Corporation



Salesforce
By Salesforce.com



ServiceNow
By ServiceNow

What is it?

A method of authentication requiring the use of more than one verification method to authenticate a user.

Mobile Application

Automated Phone Call

Text Message

How it works?

Requiring any two or more verification methods

Something you know (typically a password)

Something you have (a trusted device that is not easily duplicated, like a phone)



Requirements

Azure Active Directory Premium or Basic (both require an EA)

Pages that can be custom branded

Sign-in page

Access Panel page

Components that can be changed

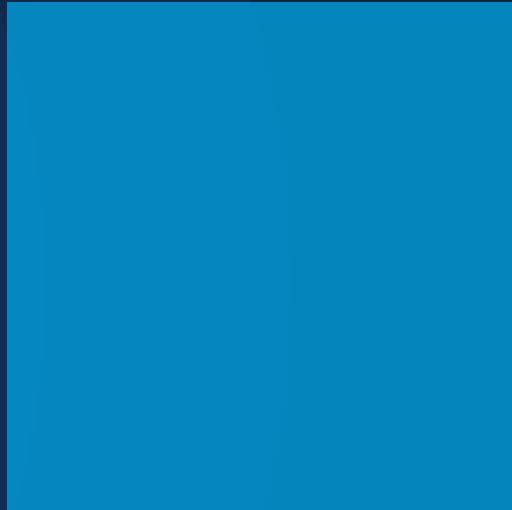
Banner Logo

Large Illustration (left of Sign-in page)

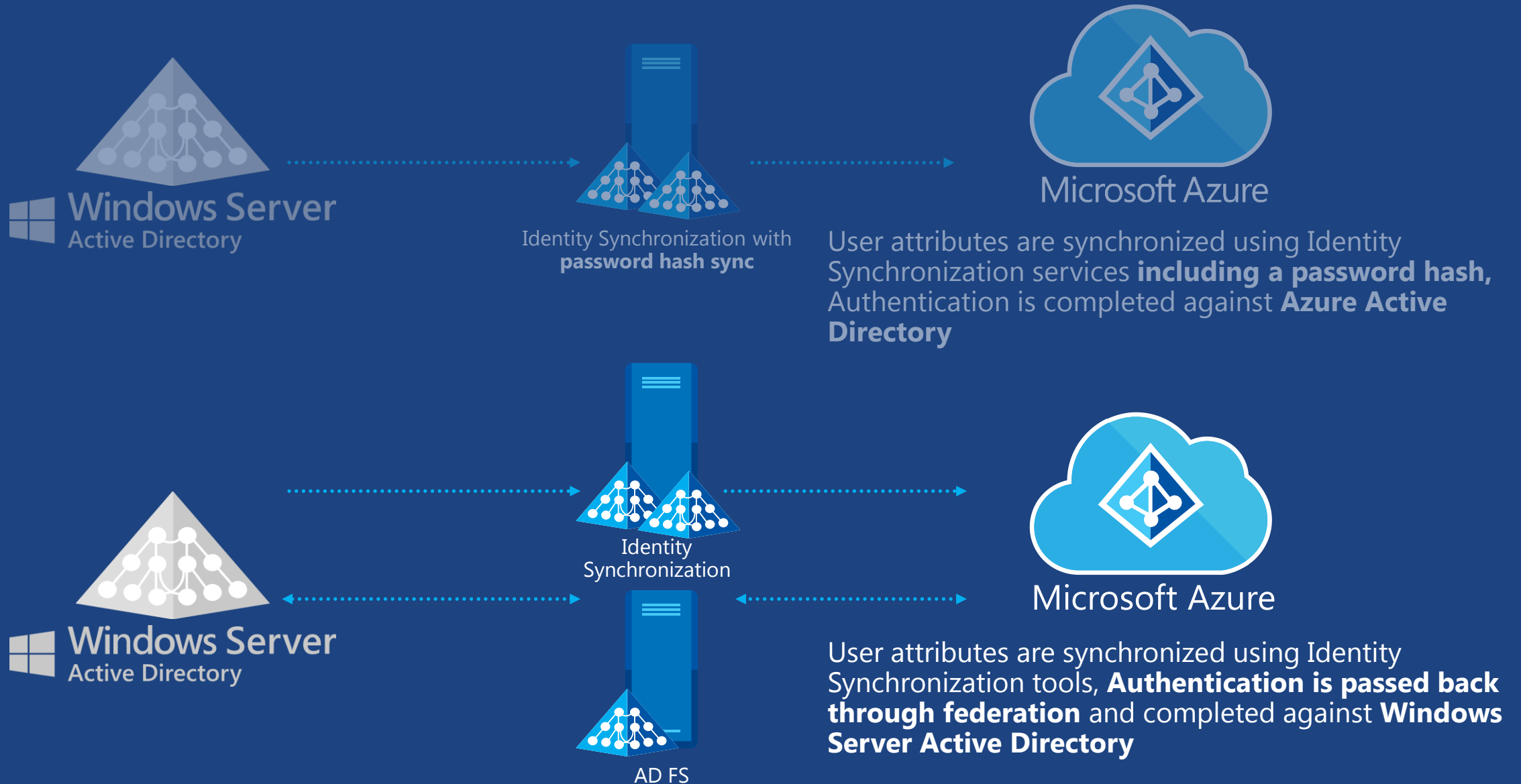
Background Color

Sign-in page text

Hybrid Identity



Azure AD Integration Models



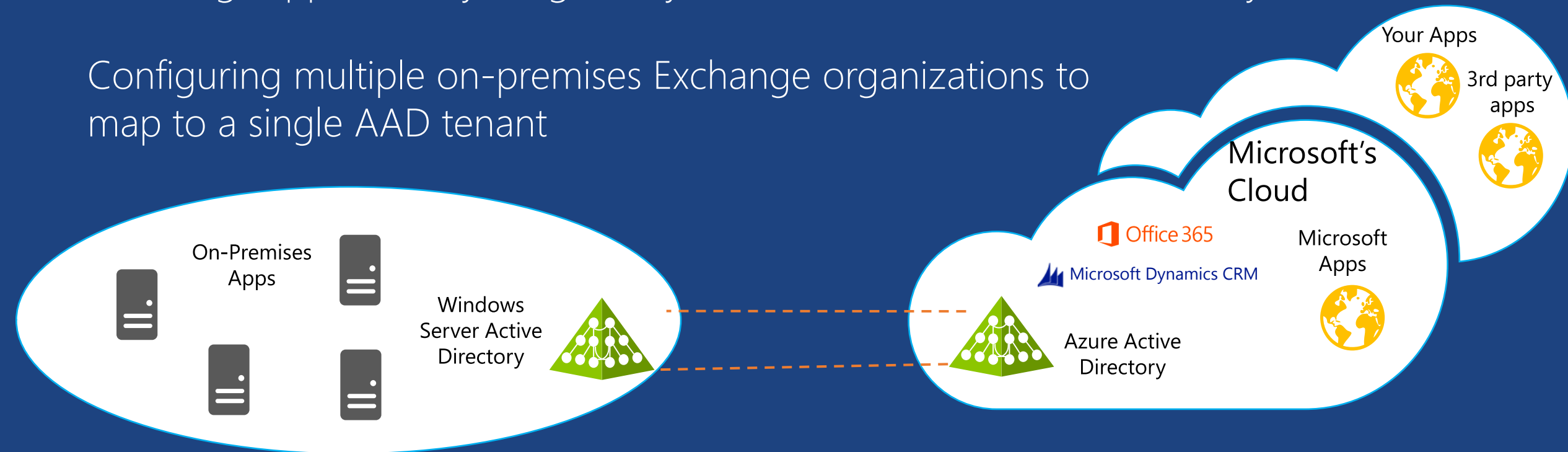
AAD Synchronization Services



Synchronize multi-forest Active Directory environments without needing the full blown features of Forefront Identity Manager 2010 R2.

Advanced provisioning, mapping and filtering rules for objects and attributes, including support for syncing a very minimal set of user attributes (only 7!)

Configuring multiple on-premises Exchange organizations to map to a single AAD tenant



Azure AD Connect with Connect Health is GA

Multi-Factor Authentication per app

Dynamic groups for applications and licenses

Out-of-the-box dedicated user group "All Users"

Password write-back from AAD to AD is GA

As of September 2015 Business to Consumer AAD is in public preview!

Self-registration

Registration with social accounts

Customer defined UX

Security and scalability of Azure Cloud

B2C AAD Overview

Q&A

Thank You