

Identity Security Azure Active Directory

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Azure Active Directory (Azure AD)

Microsoft's cloud-based identity and access management service, which helps your employees sign in and access resources in:

- External resources, such as Microsoft Office 365, the Azure portal, and thousands of other SaaS applications.
- Internal resources, such as apps on your corporate network and intranet, along with any cloud apps developed by your own organization.

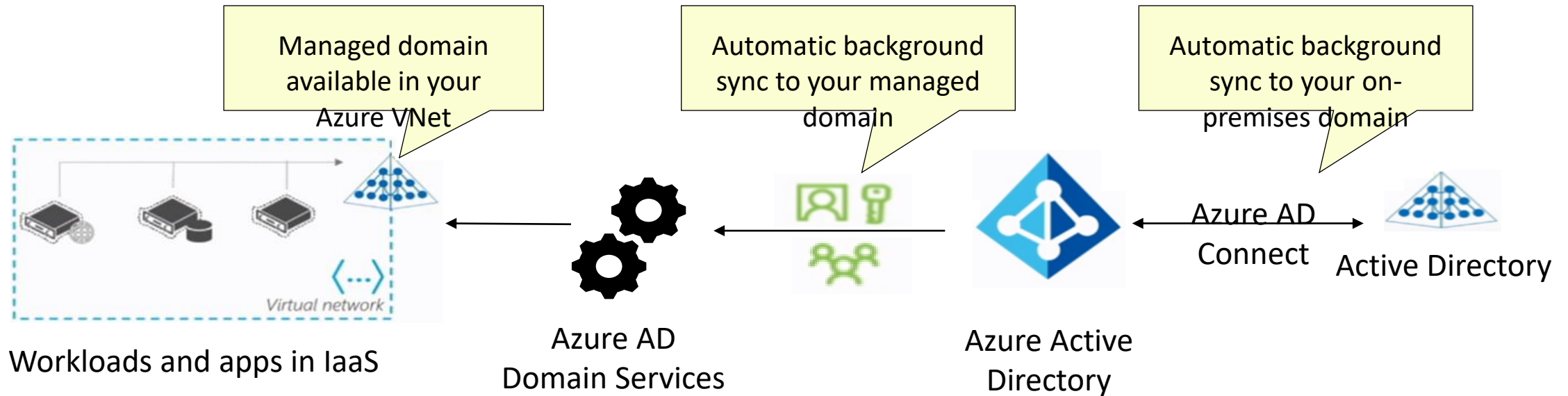
Compare Active Directory to Azure Active Directory

Azure Active Directory	Active Directory
Cloud	On-Premises
Designed for HTTP & HTTPS	Query via LDAP
Queried via REST API's	Used Kerberos for Authentication
Uses SAML, WS-Federation, or OpenID for authentication	No Federated Services
Uses OAuth for authentication	Organizational Units (OU's)
Includes federation services	Group Policy (GPO's)
Flat Structure	

Administrator role permissions in Azure AD

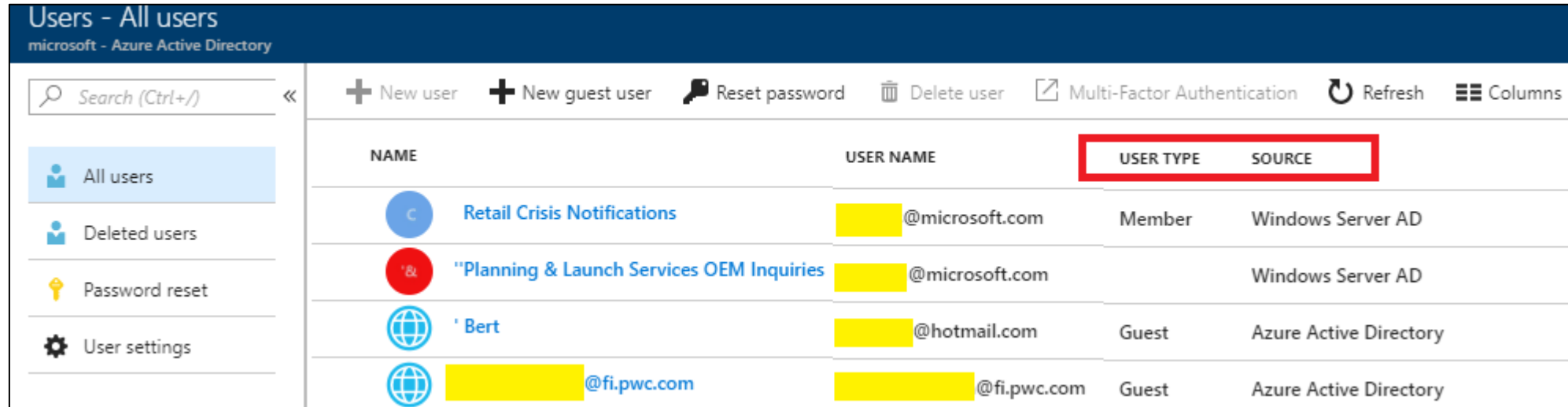
- Using Azure Active Directory (Azure AD), you can designate limited administrators to manage identity tasks in less-privileged roles.
- Administrators can be assigned for such purposes as adding or changing users, assigning administrative roles, resetting user passwords, managing user licenses, and managing domain names.
- The default user permissions can be changed only in user settings in Azure AD.

Azure AD Domain Services












- Simplified deployment experience
- Integrate with Azure AD
- Use your corporate credentials/passwords
- NTLM and Kerberos authentication
- High availability

Azure AD Users



Users - All users
microsoft - Azure Active Directory

Search (Ctrl+/) « + New user + New guest user Reset password Delete user Multi-Factor Authentication Refresh Columns


NAME	USER NAME	USER TYPE	SOURCE
 Retail Crisis Notifications	 @microsoft.com	Member	Windows Server AD
 "Planning & Launch Services OEM Inquiries	 @microsoft.com		Windows Server AD
 ' Bert	 @hotmail.com	Guest	Azure Active Directory
  @fi.pwc.com	 @fi.pwc.com	Guest	Azure Active Directory


Azure AD defines users in three ways:

- Cloud identities
- Directory-synchronized identities
- Guest users


Azure AD Groups


Users and groups - All groups

 Search (Ctrl+*/*)




 Overview

MANAGE

 All users

 All groups

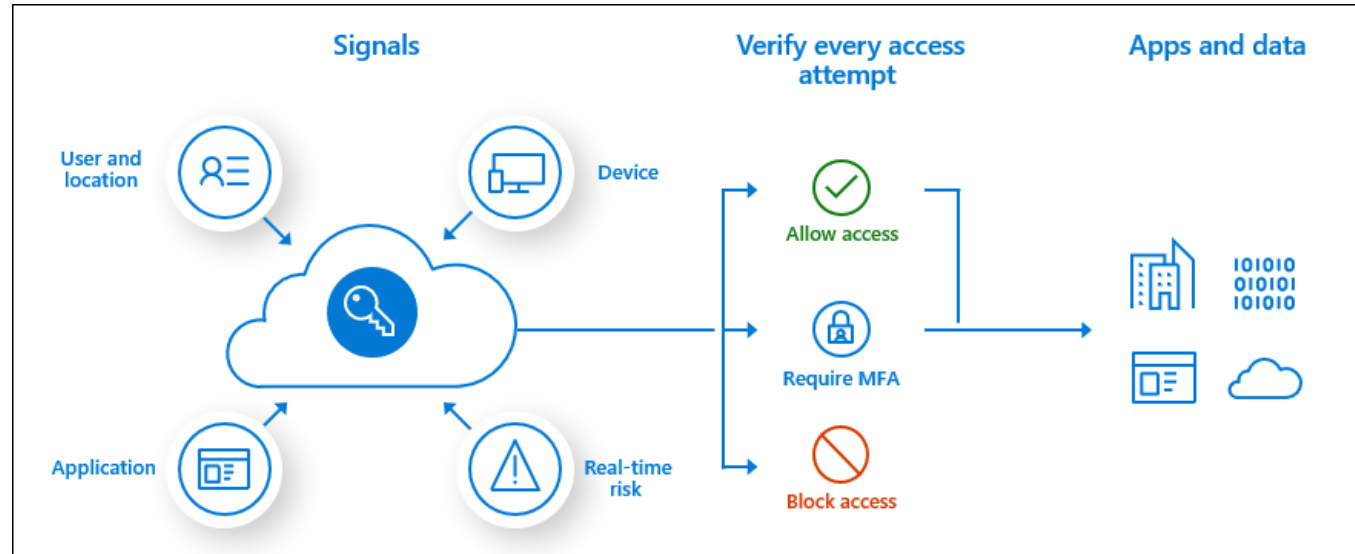
Search groups

	NAME	GROUP TYPE	MEMBERSHIP TYPE
	Group1	Security	Assigned
	Group2	Security	Assigned
	Group23	Security	Assigned

Azure AD allows you to define two different types of groups:

- Security groups
- Office 365 groups

Azure MFA Concepts



Authentication methods include:

- Something you know (typically a password)
- Something you have (a trusted device that is not easily duplicated, like a phone)
- Something you are (biometrics)

Enable MFA

- Select the users that you want to modify and enable for MFA
- User states can be Enabled, Enforced, or Disabled
- On first-time sign-in, after MFA has been enabled, users are prompted to configure their MFA settings
- Azure MFA is included free of charge for global administrator security

contoso admin@cmsa

multi-factor authentication

users service settings

Note: only users licensed to use Microsoft Online Services are eligible for Multi-Factor Authentication. [Learn more about how to license other users.](#) Before you begin, take a look at the [multi-factor auth deployment guide](#).

View: Sign-in allowed users Multi-Factor Auth status: Any bulk update

<input type="checkbox"/>	DISPLAY NAME ▲	USER NAME	MULTI-FACTOR AUTH STATUS
<input checked="" type="checkbox"/>	Adam Barr	AdamB@contoso.com	Disabled
<input checked="" type="checkbox"/>	Alice Ciccu	AliceC@contoso.com	Disabled
<input type="checkbox"/>	Amy Rusko	AmyR@contoso.com	Disabled
<input type="checkbox"/>	Ann Beebe	AnnB@contoso.com	Disabled
<input checked="" type="checkbox"/>	Ben Smith	BenS@contoso.com	Disabled

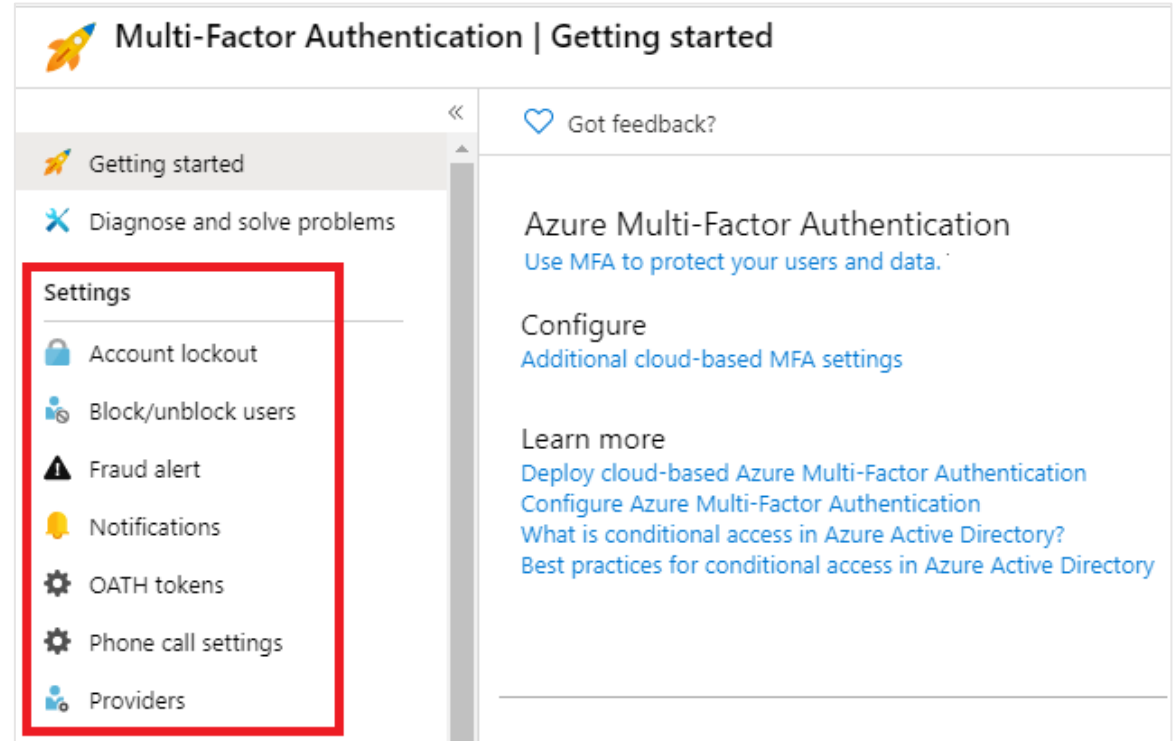
3 selected

quick steps

- Enable
- Manage user settings

MFA Settings

- Account lockout
- Block/unblock users
- Fraud alert
- Notifications
- OATH tokens
- Phone call settings
- Trusted IPs



Demo



References

Microsoft Docs

Thank You

