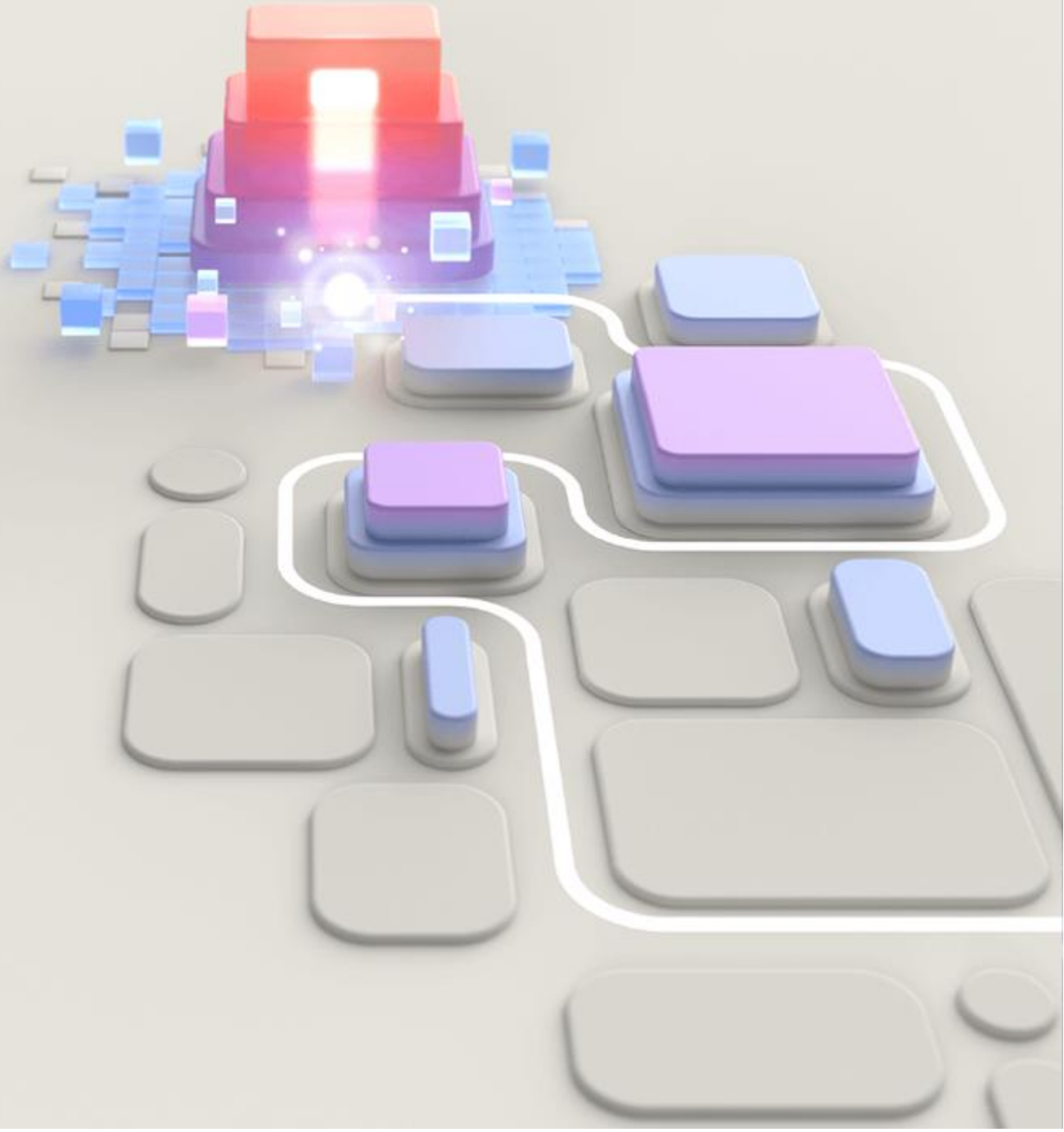
Microsoft



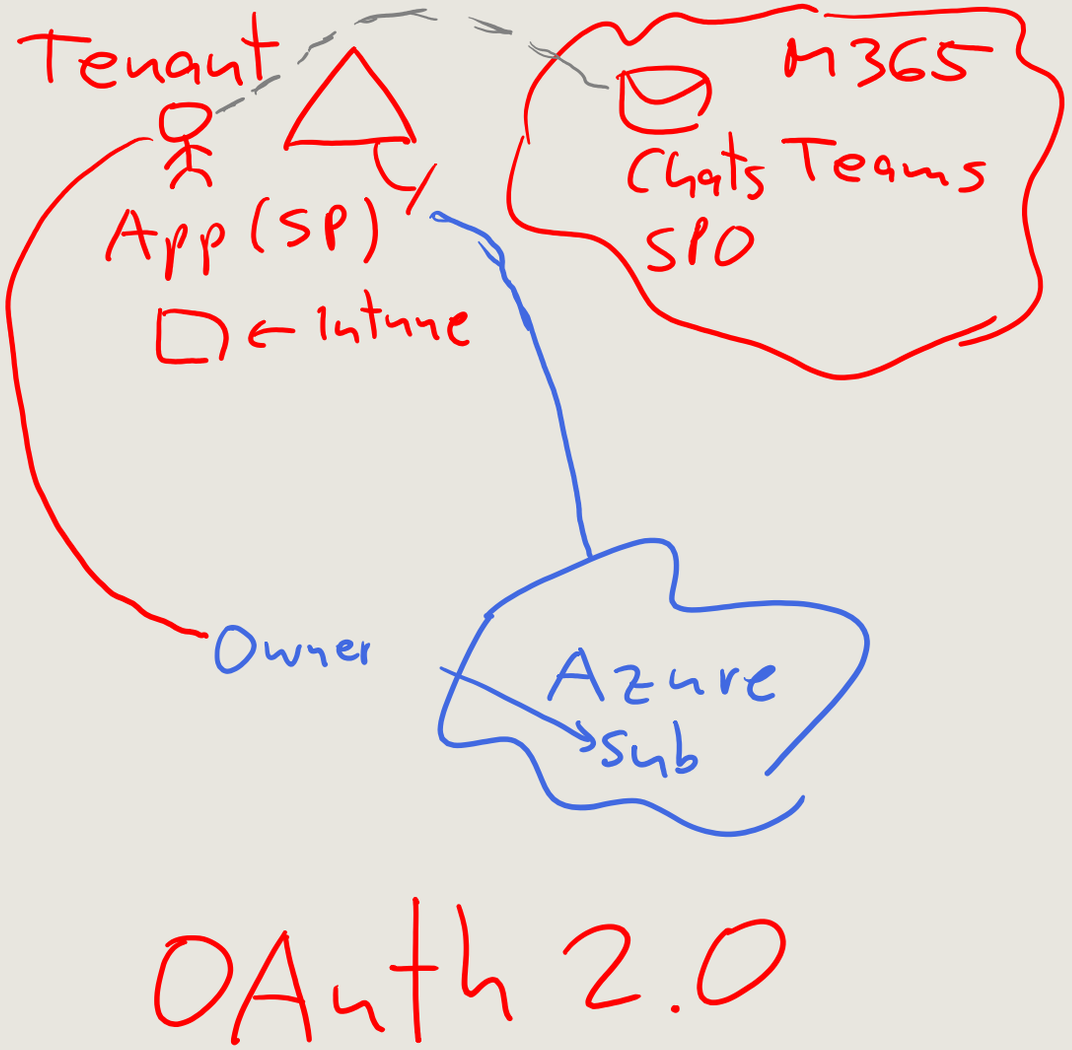
AZ-104

Administer Identity

© Copyright Microsoft Corporation. All rights reserved.

AZ-104 Agenda

01: Administer Identity
02: Administer Governance and Compliance
03: Administer Azure Resources
04: Administer Virtual Networking
05: Administer Intersite Connectivity
06: Administer Network Traffic Management
07: Administer Azure Storage
08: Administer Azure Virtual Machines
09: Administer PaaS Compute Options
10: Administer Data Protection
11: Administer Monitoring



Learning Objectives

- Understand Microsoft Entra ID
- Create, configure, and manage identities
- Lab 01 - Manage Microsoft Entra ID Identities

© Copyright Microsoft Corporation. All rights reserved.

Understand Microsoft Entra ID

© Copyright Microsoft Corporation. All rights reserved.

Learning Objectives – Understand Microsoft Entra ID

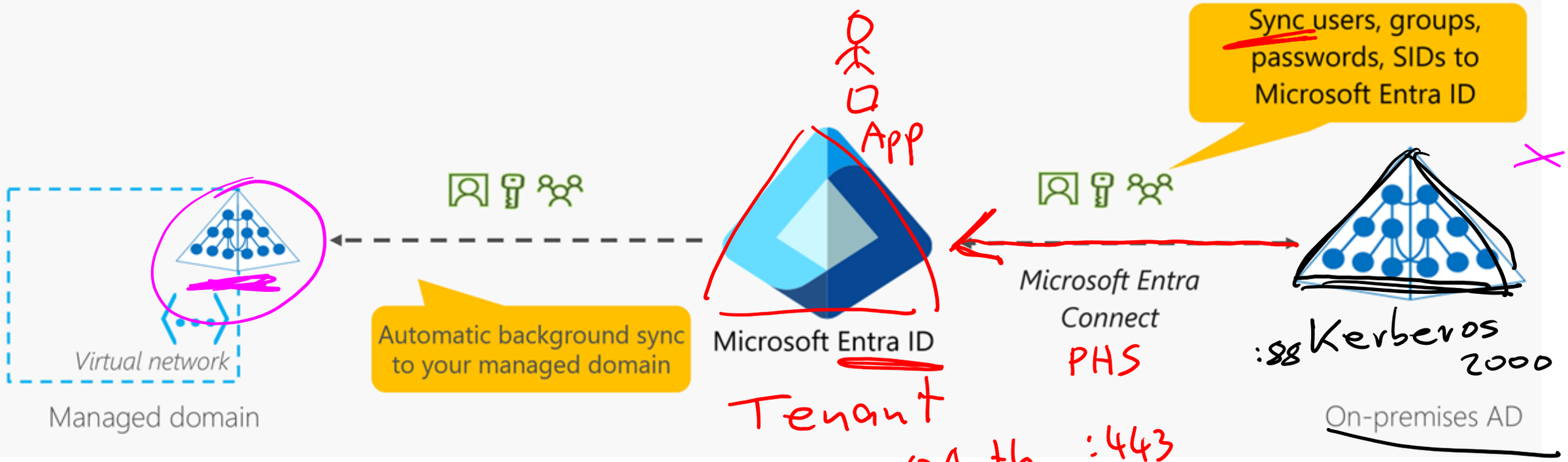
- Examine Microsoft Entra ID
- Describe Microsoft Entra ID Concepts
- Compare Microsoft Entra ID to Active Directory Domain Services
- Compare Microsoft Entra ID P1 and P2 plans
- Implement Self-Service Password Reset
- Learning Recap

Manage Azure identities and governance (20–25%): Manage Microsoft Entra ID users and groups

- Manage licenses in Microsoft Entra ID
- Configure self-service password reset (SSPR)

© Copyright Microsoft Corporation. All rights reserved.

Examine Microsoft Entra ID



- Configure access to applications, including single sign-on
- Manage and provision users and groups
- Providing an identity management solution, including federation
- Implement security features like multi-factor authentication and conditional access

© Copyright Microsoft Corporation. All rights reserved.

Describe Microsoft Entra ID Concepts

Concept	Description
Identity	An object that can be authenticated
Account	An identity that has data associated with it
Microsoft Entra ID account	An identity created through Microsoft Entra ID or another Microsoft cloud service
Tenant/directory	A dedicated and trusted instance. A tenant is automatically created when your organization signs up for a Microsoft cloud service subscription. • Additional instances can be created • Microsoft Entra ID is the underlying product providing the identity service • The term *Tenant* means a single instance representing a single organization • The terms *Tenant* and *Directory* are often used interchangeably
Azure subscription	Used to pay for Azure cloud services

© Copyright Microsoft Corporation. All rights reserved.

Compare Microsoft Entra ID to Active Directory Domain Services

Microsoft Entra ID is primarily an identity solution

Queried using the REST API over HTTP and HTTPS

Uses HTTP and HTTPS protocols such as SAML, WS-Federation, and OpenID Connect for authentication (and OAuth for authorization)

Includes federation services, and many third-party services (such as Facebook)

Microsoft Entra ID users and groups are created in a flat structure, and there are no Organizational Units (OUs) or Group Policy Objects (GPOs)

© Copyright Microsoft Corporation. All rights reserved.

Compare Microsoft Entra ID plans

Feature	Free	Microsoft ID P1	Microsoft ID P2	Microsoft Entra Suite
Single Sign-On (unlimited)	✓	✓	✓	
Cloud and Federated authentication	✓	✓	✓	
Advanced group management		✓	✓	
Self-service account management portal	✓	✓	✓	
Multifactor authentication (MFA)	✓	✓	✓	
Conditional access		✓	✓	
Risk-based Conditional Access (sign-in risk, user risk)			✓	
Automated user and group provisioning to apps		✓	✓	✓
Privileged identity management (PIM)			✓	✓
Advanced identity governance				✓

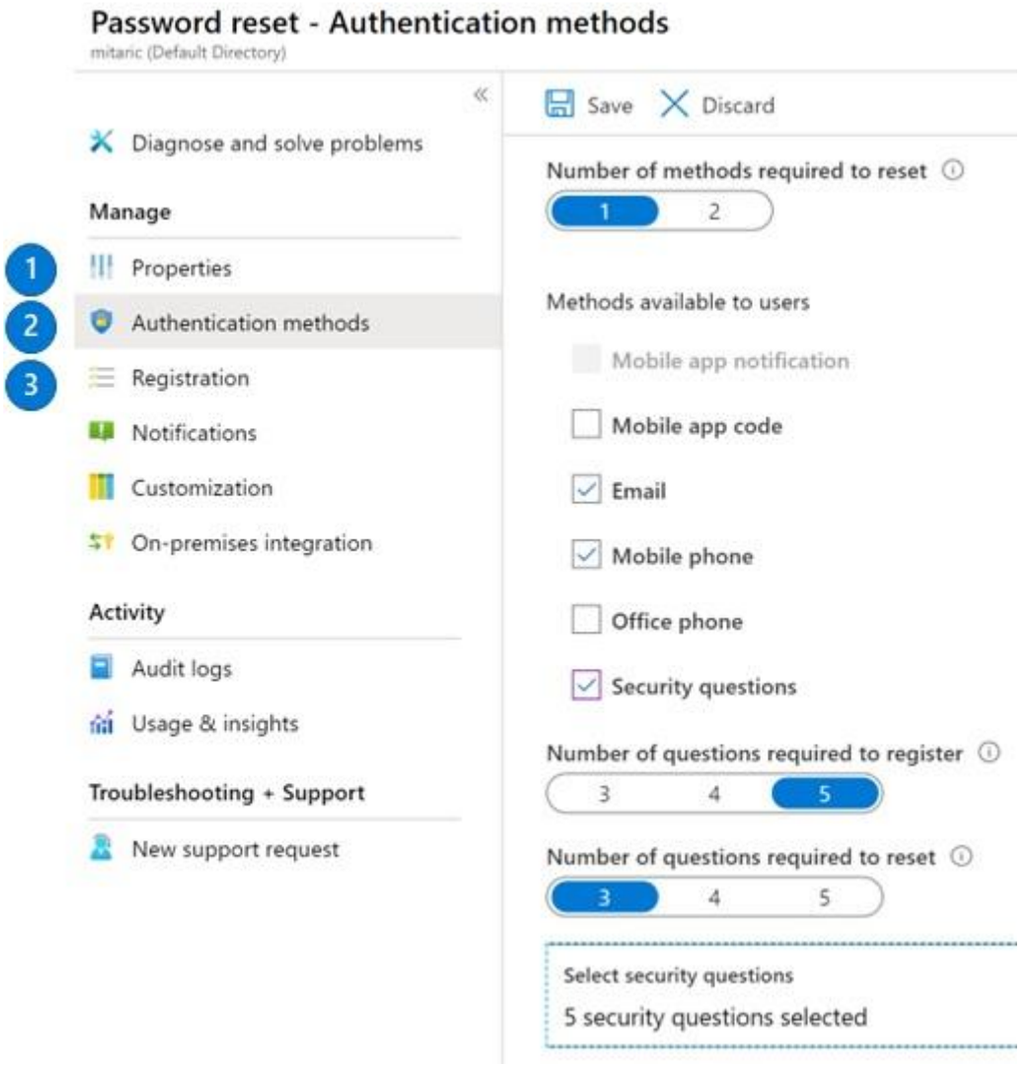
© Copyright Microsoft Corporation. All rights reserved.

What is self-service password reset in Microsoft Entra ID?

1. Determine who can use self-service password reset

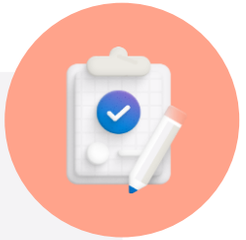
2. Choose the number of authentication methods required and the methods available (email, phone, questions)

3. You can require users to register for SSPR (same process as MFA)



© Copyright Microsoft Corporation. All rights reserved.

Learning Recap – Understand Microsoft Entra ID



Check your knowledge questions and additional study

Reference modules

- Understand Microsoft Entra ID
- Allow users to reset their password with self-service password reset
- Implement and manage hybrid identity

© Copyright Microsoft Corporation. All rights reserved.

Create, configure, and manage identities

© Copyright Microsoft Corporation. All rights reserved.

Learning Objectives - User and Group Accounts

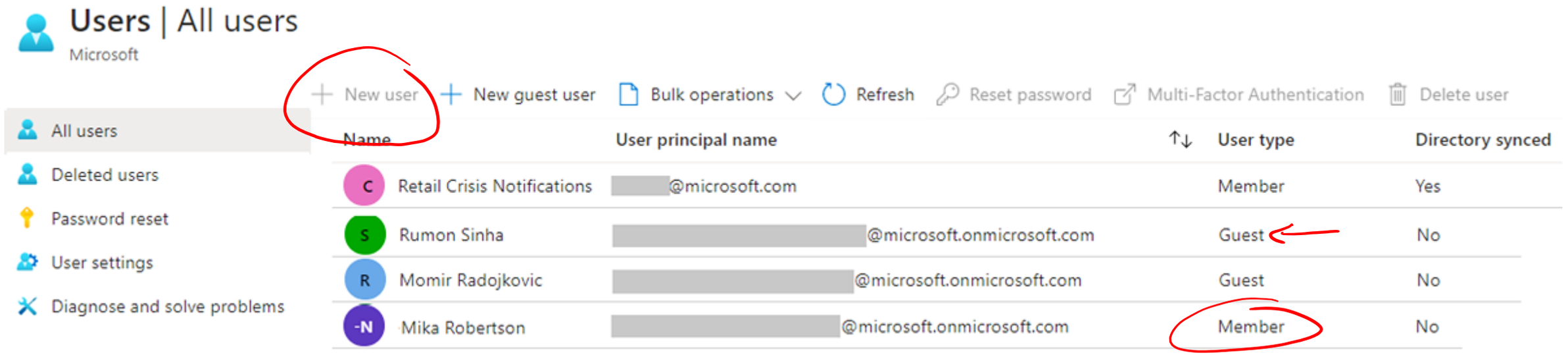
- Create User Accounts
- Manage User Accounts
- Create Group Accounts
- Assign Licenses to Users and Groups (extra topic)
- Demonstration – Users and Groups
- Summary and Resources

Manage Azure identities and governance (20–25%): Manage Microsoft Entra ID users and groups

- Create users and groups
- Manage user and group properties
- Manage external users
- Manage licenses in Microsoft Entra ID

© Copyright Microsoft Corporation. All rights reserved.

Create User Accounts



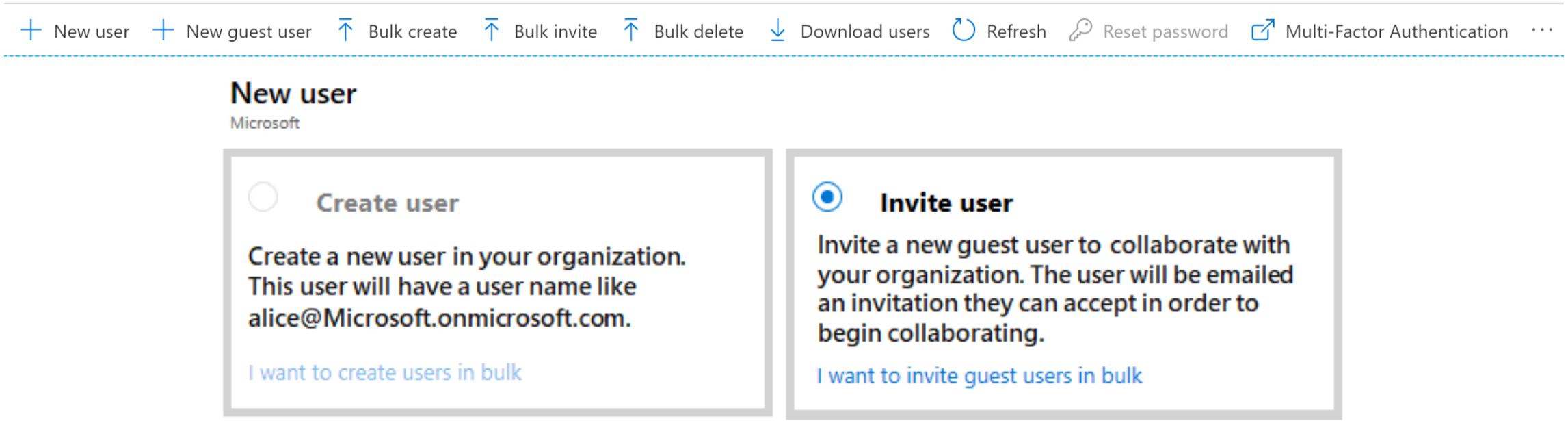
All users must have an account

The account is used for authentication and authorization

Each user account has additional properties

© Copyright Microsoft Corporation. All rights reserved.

Manage User Accounts



Must be Global Administrator or User Administrator to manage users

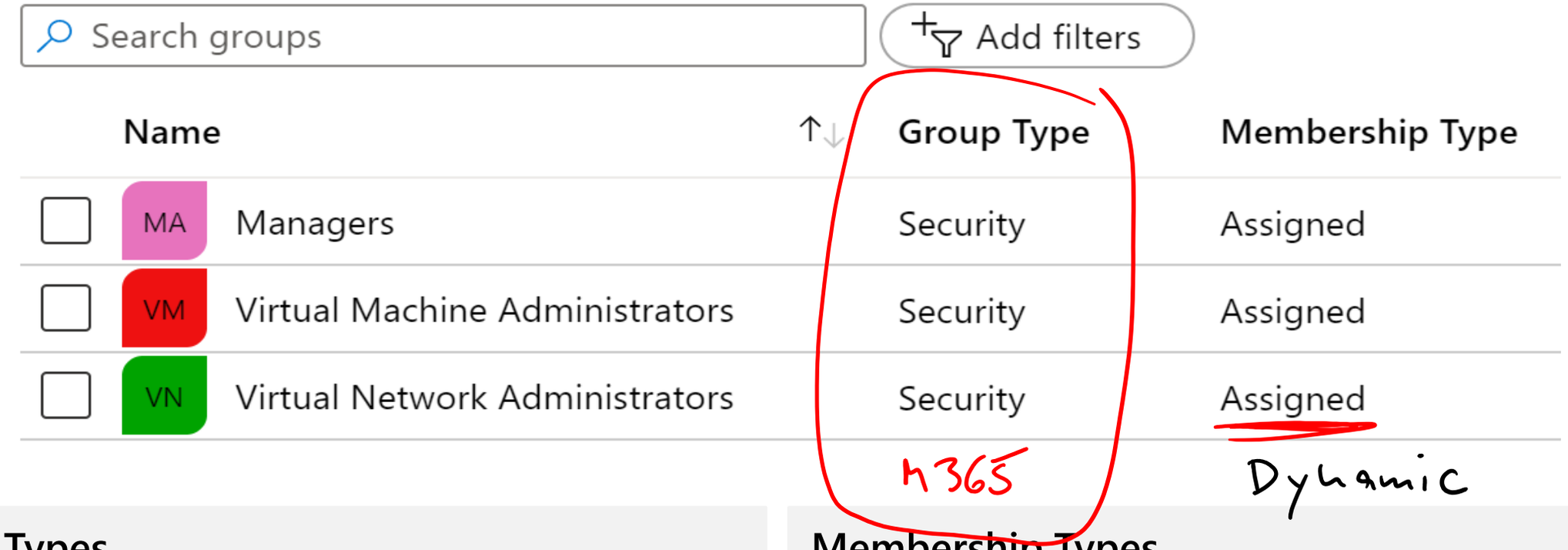
User profile (picture, job, contact info) is optional

Deleted users can be restored for 30 days

Sign in and audit log information is available

© Copyright Microsoft Corporation. All rights reserved.

Create Group Accounts



Group Types

- Security groups
- Microsoft 365 groups

Membership Types

- Assigned
- Dynamic User
- Dynamic Device (Security groups only)

© Copyright Microsoft Corporation. All rights reserved.

Assign Licenses to Users and Groups

Azure is a cloud service that provides many built-in services for free.

- Microsoft Entra ID comes as a free service
- Gain additional functionality with a P1 or P2 license

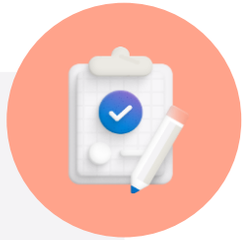
Additional Services (like O365 are paid cloud services)

- Microsoft paid cloud services require licenses
- Licenses are assigned to those who need access to the services
- Each user or group requires a separate paid license
- Administrators use the Microsoft 365 Admin portal and Microsoft Graph PowerShell cmdlets to manage licenses

- ❑ View license plans and plan details
- ❑ Set the Usage Location parameter
- ❑ Assign licenses to users and groups
- ❑ Change license plans for users and groups
- ❑ Remove a license

© Copyright Microsoft Corporation. All rights reserved.

Learning Recap – Create, configure, and manage identities



Reference modules

- Create, configure, and manage identities
- Manage users and groups in Microsoft Entra ID

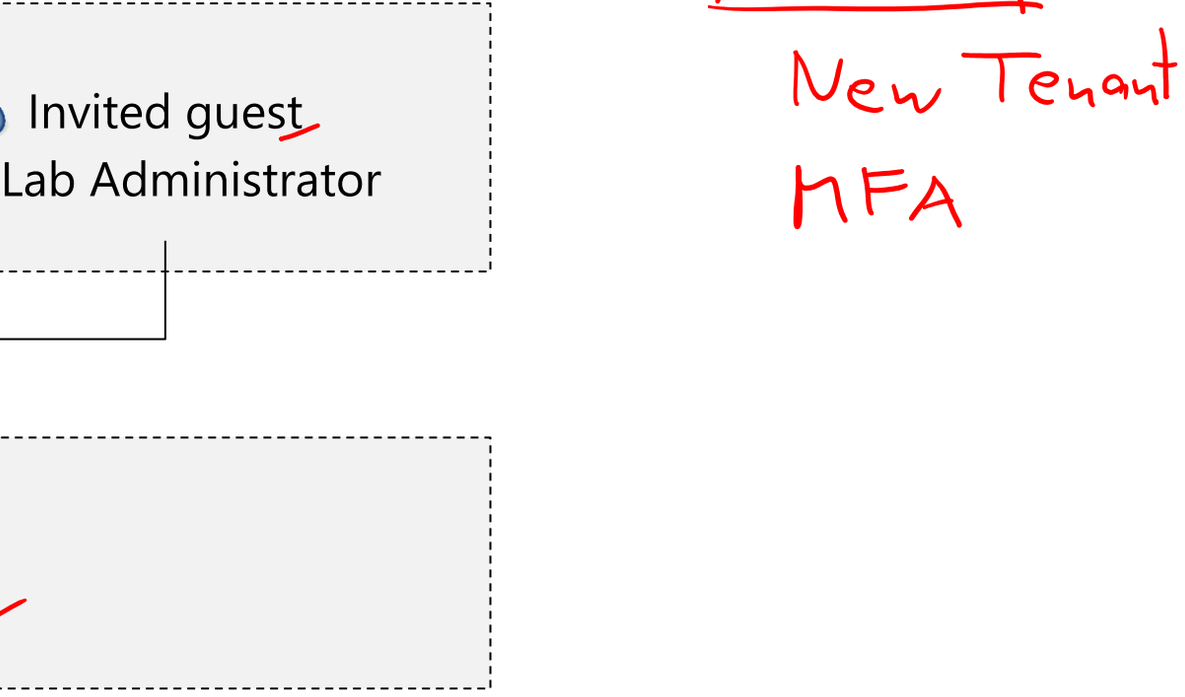
Check your knowledge questions and additional study

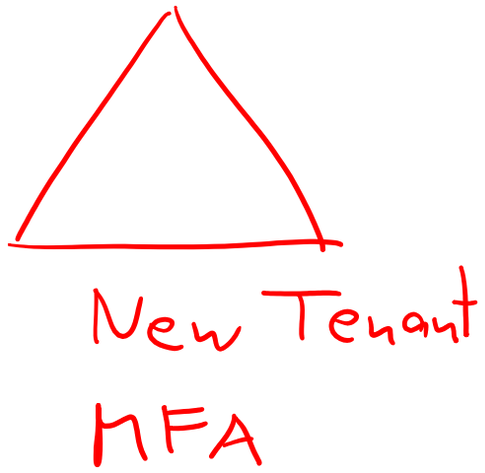
© Copyright Microsoft Corporation. All rights reserved.

Lab – Manage Entra ID Identities

© Copyright Microsoft Corporation. All rights reserved.

Lab 01 – Manage Entra ID Identities (architecture diagram)





© Copyright Microsoft Corporation. All rights reserved.

End of presentation

© Copyright Microsoft Corporation. All rights reserved.