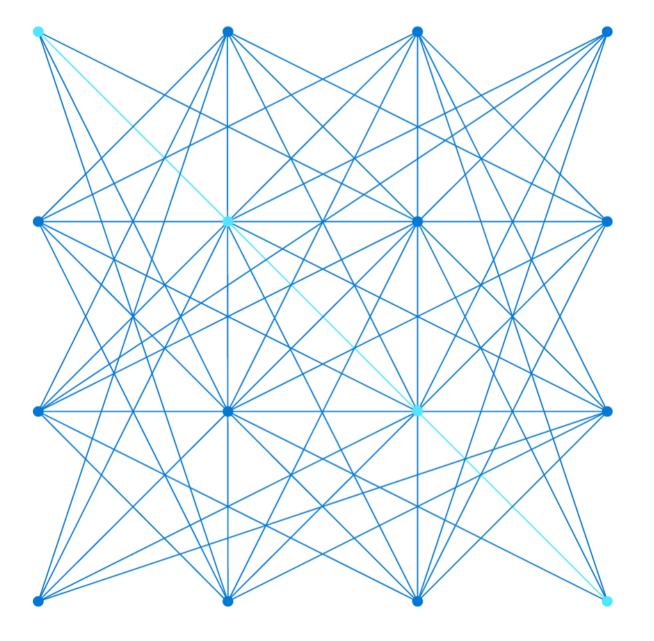
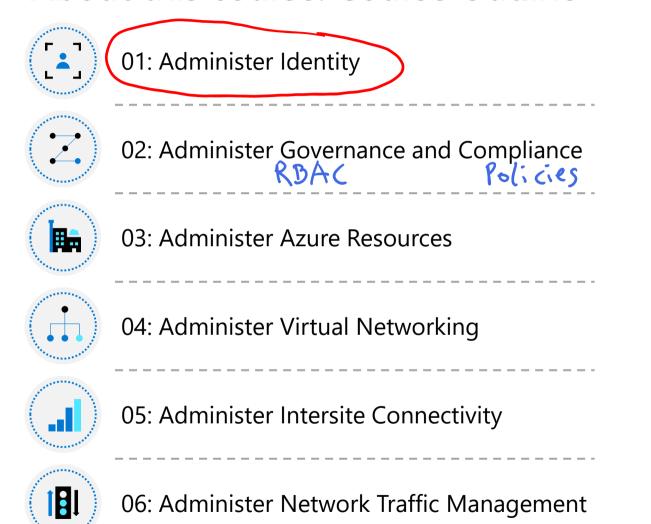


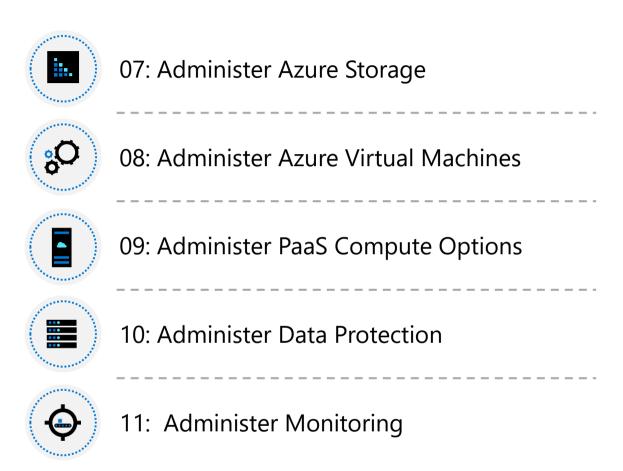
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Administer Identity



About this course: Course Outline





Administer Identity Introduction



Configure Azure Active Directory

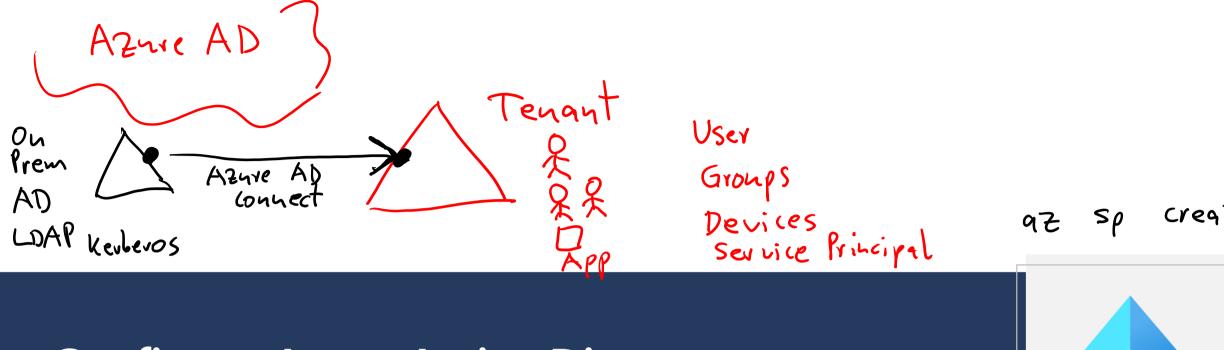


Configure User and Group Accounts



Lab 01 - Manage Azure Active Directory Identities





Configure Azure Active Directory



SANL Fed

Configure Azure Active Directory Introduction



Describe Azure Active Directory Benefits and Features



Describe Azure AD Concepts



Compare AD DS to Azure Active Directory



Select Azure AD Editions



Implement Azure AD Device Identities



Implement Self-Service Password Reset

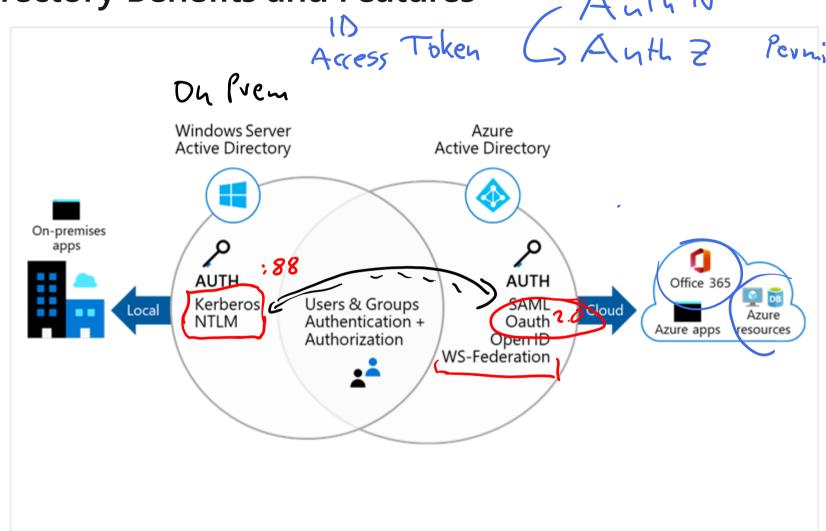


Summary and Resources

Describe Azure Active Directory Benefits and Features

A cloud-based suite of identity management capabilities that enables you to securely manage access to Azure services and resources for your users

Provides application management, authentication, device management, and hybrid identity



Describe Azure AD Concepts

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

Compare AD DS to Azure Active Directory



Azure AD is primarily an identity solution, and designed for HTTP and HTTPS communications



Queried using the REST API over HTTP and HTTPS. Instead of LDAP



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



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



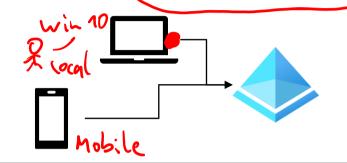
Azure AD users and groups are created in a flat structure, and there are no Organizational Units (OUs) or Group Policy Objects (GPOs)

Select Azure Active Directory Editions No Costs

Feature	Free	Microsoft 365 Apps	Premium P1	Premium P2
Directory Objects	500,000 objects	No object limit	No object limit	No object limit
Single Sign-On	Unlimited	Unlimited	Unlimited	Unlimited
Core Identity and Access	X	X	X	X
B2B Collaboration	X	X	X	X
Identity & Access for O365		X	X	X
Premium Features			X	X
Hybrid Identities			X	X
Advanced Group Access			X	X
Conditional Access			X	X
Identity Protection				X Risk
Identity Governance				X

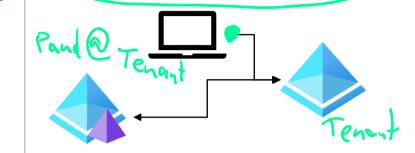
Configure Azure AD Device Identities

Azure AD registered devices



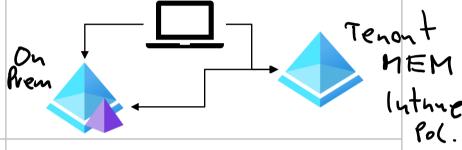
- Supports Bring Your Own Device
- Registered devices sign-in using a Microsoft account
- Attached to an Azure AD account granting access to resources
- Control using Mobile Device Management (MDM) tools like Microsoft Intune
- OS Windows 10+, iOS, Android, and MacOS

Azure AD joined devices



- Intended for cloud-first or cloudonly organizations
- Organization-owned devices
- Joined only to Azure AD organizational account required
- Can use Conditional Access policies
- OS Windows 10+ devices

Hybrid Azure AD joined devices



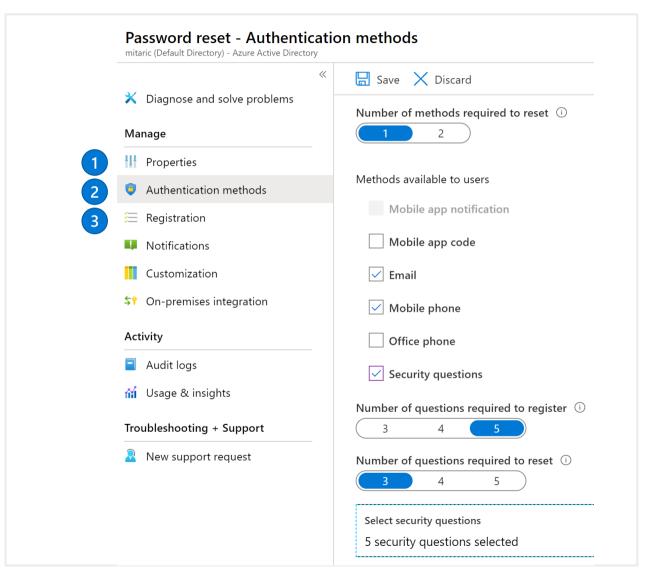
- You have Win32 apps deployed to these devices using Active Directory machine authentication
- You want to continue to use Group Policy to manage the device
- You want to use existing image solutions to deploy devices
- OS Windows 7⁺ devices

Implement Self-Service Password Reset

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)



Summary and Resources – Configure Azure Active Directory

Knowledge Check





Allow users to reset their password with Azure Active Directory selfservice password reset (Sandbox)

Manage device identity with Azure AD join and Enterprise State Roaming

Implement and manage hybrid identity

A sandbox indicates a hands-on exercise.

Configure User and Group Accounts



Configure User and Group Accounts Introduction



Create User Accounts



Manage User Accounts



Create Bulk Accounts



Create Group Accounts



Assign Licenses to Users and Groups (extra topic)



Create Administrative Units

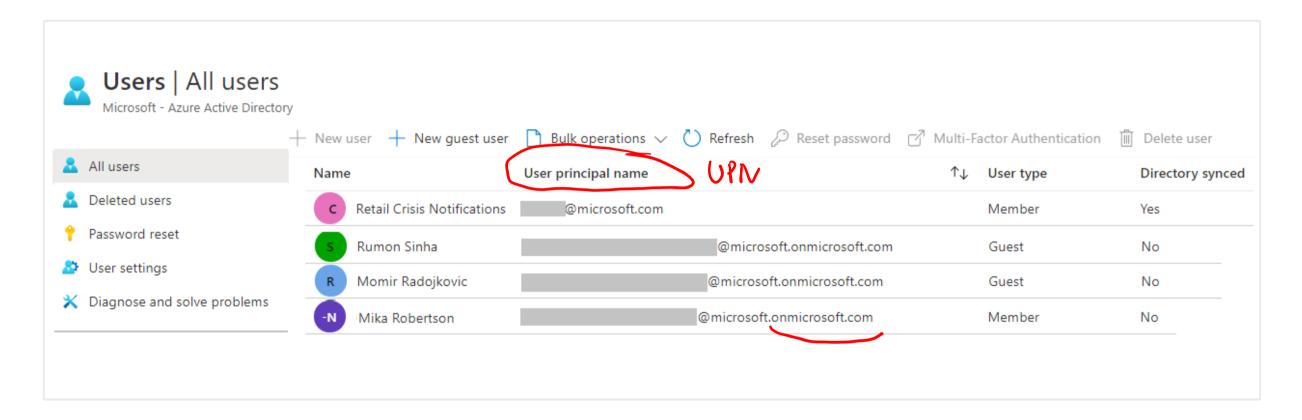


Demonstration – Users and Groups



Summary and Resources

Create User Accounts

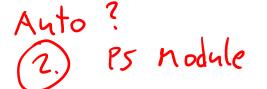


All users must have an account

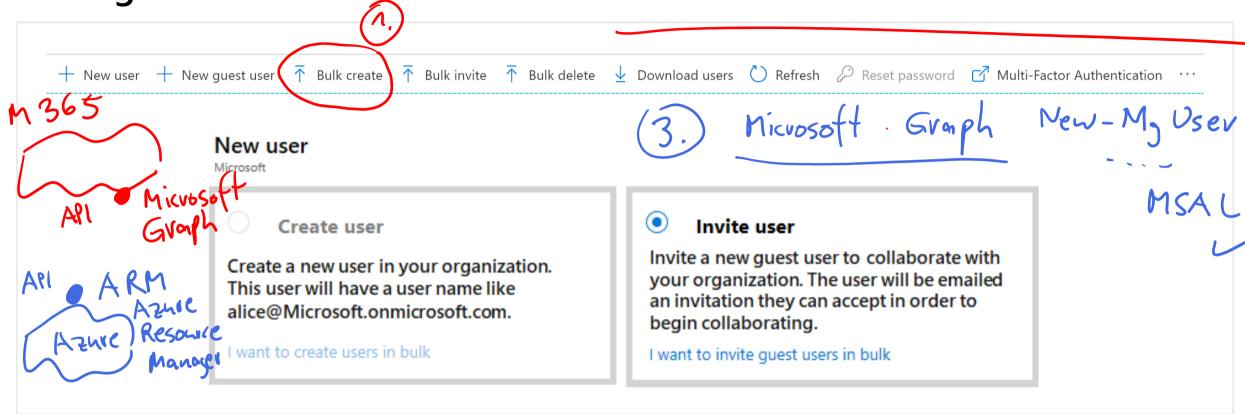
The account is used for authentication and authorization

Each user account has additional properties

Manage User Accounts



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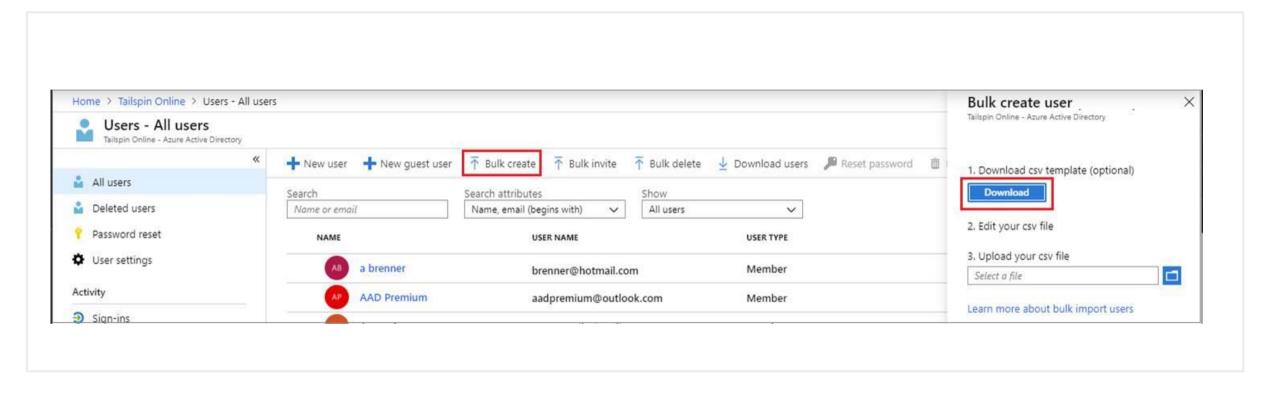
Must be Global Administrator or User Administrator to manage users

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

Deleted users can be restored for 30 days

Sign in and audit log information is available

Perform bulk account updates



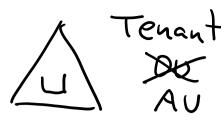
Azure AD supports bulk user and group member updates

Create the comma-separated values (CSV) template you can download from the Portal

Must be signed in as a Global administrator or User administrator

Create Group Accounts





Search groups	('♥ Add filters	Add filters		
Name	↑↓ Group Type	Membership Type		
MA Managers	Security	Assigned		
VM Virtual Machine Administrato	rs Security	Assigned		
VN Virtual Network Administrato	rs Security	Assigned		

Group Types

- Security groups
- Microsoft 365 groups = Secrity Group + hove

Assignment Types

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

Assign Licenses to Users and Groups

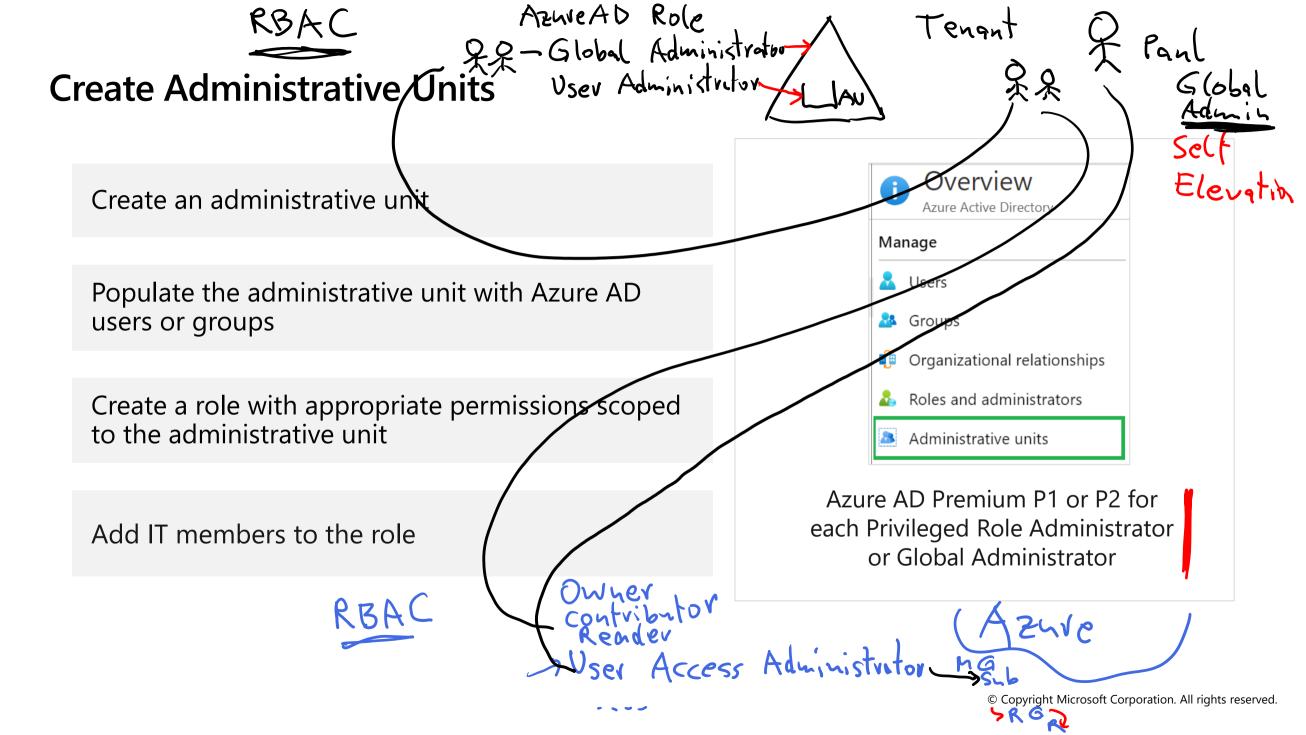
Microsoft Azure is a cloud service that provides many built-in services for free.

- Azure AD comes as a free service
- Gain additional Azure AD 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 management portals and 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



Demonstration – Users and Groups



Determine domain information





Explore user accounts



Explore group accounts



Explore PowerShell for group management

Summary and Resources – Configure User and Group Accounts

Knowledge Check

Microsoft Learn Modules (docs.microsoft.com/Learn)

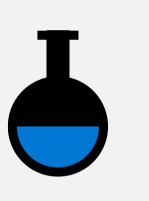


Create Azure users and groups in Azure Active Directory (Sandbox)

Manage users and groups in Azure Active Directory

A sandbox indicates a hands-on exercise.

Lab 01 - Manage Azure Active Directory Identities



Lab 01 – Manage Azure Active Directory Identities

Lab scenario

In order to allow Contoso users to authenticate by using Azure AD, you have been tasked with provisioning users and group accounts. Membership of the groups should be updated automatically based on the user job titles. You also need to create a test Azure AD tenant with a test user account and grant that account limited permissions to resources in the Contoso Azure subscription.

Objectives

Task 1:

Create and configure Azure AD users

Task 2:

Create Azure AD groups with assigned and dynamic membership

Task 3:

Create an Azure Active Directory (AD) tenant

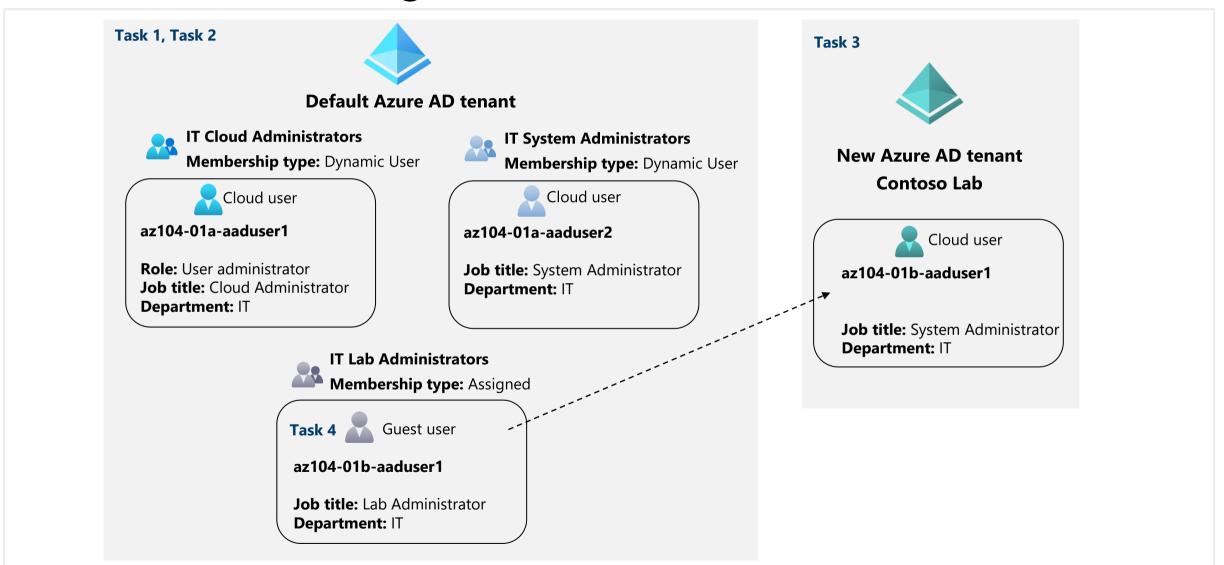
Task 4:

Manage Azure AD guest users

Next slide for an architecture diagram (>)



Lab 01 – Architecture diagram



End of presentation

