

Introduction to Cloud Computing

LAB 01

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BS-SE 7B

Task 1: Create and configure user accounts

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and the user profile for 'bsse2280155@szabist.pk'. The main content area is titled 'Default Directory | Overview'. On the left, there is a sidebar with navigation links: Overview, Preview features, Diagnose and solve problems, Manage, Monitoring, and Troubleshooting + Support. The main content area displays the 'Overview' tab for the 'Default Directory'. It includes a search bar for tenants and a table of basic information:

Basic information	
Name	Default Directory
Tenant ID	d7e692a5-cccf-417c-b67f-0ded375904c4
Primary domain	bsse2280155szabist.onmicrosoft.com
License	Microsoft Entra ID Free

Below the table, there is a section for 'Alerts' with a warning icon and text: 'Migrate to the converged Authentication methods policy. Please migrate your authentication methods off the legacy MFA and SSPR policies by September 2025 to avoid any service impact. Learn more'.

● Create a new user:

The screenshot shows the 'Create new user' form in the Microsoft Azure portal. The form is titled 'Create new user' and includes a subtitle 'Create a new internal user in your organization'. The 'Basics' tab is selected, showing the 'Identity' section. The form fields are as follows:

- User principal name: az104-user1 @ bsse2280155szabist.on...
- Mail nickname: az104-user1 (checked 'Derive from user principal name')
- Display name: az104-user1
- Password: (checked 'Auto-generate password')
- Account enabled: (checked)

At the bottom, there are navigation buttons: 'Review + create', '< Previous', and 'Next: Properties >'. A 'Give feedback' link is also present in the bottom right corner.

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

bsse2280155@szabist.pk
DEFAULT DIRECTORY (BSSE22801...

[Home](#) > [Default Directory](#) | [Overview](#) >

Create new user

Create a new internal user in your organization

BasicsPropertiesAssignmentsReview + create

Basics

User principal name

az104-user1@bsse2280155szabist.onmicrosoft.com

Display name

az104-user1

Mail nickname

az104-user1

Password

Account enabled

Yes

Properties

User type

Member

Job title

IT Lab Administrator

Department

IT

Usage location

United States

Assignments

Administrative units

CreatePreviousNext

Give feedback

- Invite an external user

Microsoft Azure

Search resources, services, and docs (G+)

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DEFAULT DIRECTORY (BSSE22801...

[Home](#) > [Default Directory](#) | [Overview](#) >

Invite external user

Invite an external user to collaborate with your organization

BasicsPropertiesAssignmentsReview + invite

Invite a new guest user to collaborate with your organization. The user will be emailed an invitation they can accept in order to begin collaborating. [Learn more](#)

Identity

Email

yahyaahmer62@gmail.com

Display name

Yahya Ahmer

Invitation message

Send invite message

☒

Message

Welcome to Azure and our group project

Cc recipient

Invite redirect URL

https://myapplications.microsoft.com/?tenantid=d7e692a5-cccf-417c-b67f-0ded375904c4

Review + invitePreviousNext: Properties

Give feedback

Microsoft Azure

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bsse2280155@szabist.pk
DEFAULT DIRECTORY (BSSE22801...

Home > Default Directory | Overview >

Invite external user

Invite an external user to collaborate with your organization

Basics

Properties

Assignments

Review + invite

Basics

Email

Display name

Send invite message

Message

Cc recipient

Invite redirect URL

Properties

User type

Job title

Department

Usage location

Assignments

Invite

< Previous

Next >

Give feedback

Compose

Inbox 812

Starred

Snoozed

Sent

Drafts

Purchases 29

More

Labels +

Search mail

1 of 1,024

Default Directory invited you to access applications within their organization

Microsoft Invitations on behalf of Default Directory <invites@microsoft.com> to me

5:49 PM (1 minute ago)

Please only act on this email if you trust the organization represented below. In rare cases, individuals may receive fraudulent invitations from bad actors posing as legitimate companies. If you were not expecting this invitation, proceed with caution.

Organization: Default Directory
Domain: bsse2280155szabist.onmicrosoft.com

This message was provided by the sender and is not from Microsoft Corporation.

YA

Message from
Default Directory:

Welcome to Azure and our group project

If you accept this invitation, you'll be sent to <https://myapplications.microsoft.com/?tenantid=d7e692a5-cccf417c-b67f-0ded375904c4>

Upgrade

Reply

Forward

Task 2: Create groups and add members

The screenshot shows the 'Add owners' interface in the Microsoft Azure portal. On the left, the 'New Group' sidebar is visible with fields for Group type (Security), Group name (IT Lab Administrators), Group description (Administrators that manage the IT lab), and Membership type (Assigned). The main area is titled 'Add owners' and includes a search bar with 3 results found. Below the search bar, a table lists users for selection:

	Name	User principal name
<input checked="" type="checkbox"/>	az104-user1	az104-user1@bsse2280155szabist.onmicrosoft.com
<input type="checkbox"/>	Yahya Ahmer	yahyaahmer62@gmail.com
<input type="checkbox"/>	Yahya Ahmer	bsse2280155@szabist.pk

On the right, the 'Owners (1)' section shows the selected user: az104-user1 (az104-user1@bsse2280155szabist.onmicr...). A 'Select' button is at the bottom of the user list.

The screenshot shows the 'Default Directory | Overview' page in the Microsoft Azure portal. A notification at the top right states: 'Successfully created group IT Lab Administrators.' The left sidebar shows the 'Overview' section selected. The main content area displays the 'Overview' tab with a search bar and a table of basic information:

Basic information	
Name	Default Directory
Tenant ID	d7e692a5-cccf-417c-b67f-0ded375904c4
Primary domain	bsse2280155szabist.onmicrosoft.com
License	Microsoft Entra ID Free

Below the table, an 'Alerts' section contains a warning: 'Migrate to the converged Authentication methods policy'. It states: 'Please migrate your authentication methods off the legacy MFA and SSPR policies by September 2025 to avoid any service impact.' A 'Learn more' link is provided.

Microsoft Azure

Search resources, services, and docs (G+)

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bsse2280155@szabist.pk
DEFAULT DIRECTORY (BSSE22801...

IT Lab Administrators

Group

Delete | Got feedback?

- Overview
- Diagnose and solve problems
- Manage
 - Properties
 - Members
 - Owners
 - Roles and administrators
 - Administrative units
 - Group memberships
 - Applications
 - Licenses
 - Azure role assignments
- Activity
- Troubleshooting + Support

Basic information

IT Lab Administrators
Administrators that manage the IT lab

Membership type	Assigned	Total direct members	2
Source	Cloud	User(s)	2
Type	Security	Group(s)	0
Object ID	ca5b1015-f1e2-4aed-bef9-74359137b0b3	Device(s)	0
Created on	11/26/2025, 5:57 PM	Other(s)	0

Feed

Group memberships
0

[View group memberships](#)

Owners
1

[View group owners](#)

Total members
2

[View group members](#)

Add or remove favorites by pressing Ctrl+Shift+F

Owners:

Microsoft Azure

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DEFAULT DIRECTORY (BSSE22801...


IT Lab Administrators | Owners

Group

+ Add owners | Refresh | Manage view | Remove | Got feedback?

Search

1 group owner found

<input type="checkbox"/>	Name ↑	Type	Email	User type	Object Id
<input type="checkbox"/>	 az104-user1	User		Member	5c2ab1ae-fe77-4746-829f-...

Members:

Microsoft Azure

Search resources, services, and docs (G+)

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bsse2280155@szabist.pk
DEFAULT DIRECTORY (BSSE22801...



IT Lab Administrators | Members

Group

+ Add members | Bulk operations | Refresh | Manage view | Remove | Got feedback?

Search

2 group members found

<input type="checkbox"/>	Name ↑	Type	Email	User type	Object Id
<input type="checkbox"/>	 az104-user1	User		Member	5c2ab1ae-fe77-4746-829f-...
<input type="checkbox"/>	 Yahya Ahmer	User	yahyaahmer62@gmail.com	Guest	2bb021e5-c7f0-4c97-ab1a-3c...