

Introduction to Cloud Computing

LAB 07

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BS-SE 7B

Task 1: View and assign roles

- Sign in to the Azure portal.
- From the **All services** blade, search for and select **Resource groups**, then click +Add +New +Create.
- Create a new resource group. Click **Create** when you are finished.

The screenshot shows the Microsoft Azure portal interface. At the top, there's a navigation bar with the Microsoft Azure logo, a search bar, and various icons. Below the navigation bar, the breadcrumb trail reads "Home > Resource Manager | Resource groups >". The main heading is "Create a resource group". Underneath, there are tabs for "Basics", "Tags", and "Review + create". The "Basics" tab is selected. A description of a resource group is provided: "Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. [Learn more](#)". The form contains three fields: "Subscription *" with a dropdown menu showing "Azure for Students", "Resource group name *" with a text input containing "myRGRBAC", and "Region *" with a dropdown menu showing "(Asia Pacific) Central India". At the bottom, there are three buttons: "Previous", "Next", and "Review + create". On the right side, a user profile card is displayed, showing the Microsoft logo, the user's email "bsse2280155@szabist.pk", and links to "My Microsoft account" and "Switch directory". A "Sign out" link is also present.

- Click on the **Access control (IAM)** blade, and then switch to the **Roles** tab.

Home > myRGRBAC

myRGRBAC | Access control (IAM) ☆ ...

Search resources, services, and docs (G+)

Copilot

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

Overview
Activity log
Access control (IAM)
Tags
Resource visualizer
Events
Settings
Cost Management
Monitoring
Automation
Help

Check access Role assignments **Roles** Deny assignments Classic administrators

A role definition is a collection of permissions. You can use the built-in roles or you can create your own custom roles. [Learn more](#)

All Job function roles Privileged administrator roles

Search by role name, description, permission, or ID

Type: All Category: All

Name	Description	Type	Category	Details
Owner	Grants full access to manage all resources, including the ability to assign roles in Azur...	BuiltInRole	General	View
Contributor	Grants full access to manage all resources, but does not allow you to assign roles in A...	BuiltInRole	General	View
Reader	View all resources, but does not allow you to make any changes.	BuiltInRole	General	View
Access Review Operator Service ...	Lets you grant Access Review System app permissions to discover and revoke access ...	BuiltInRole	None	View
acr delete		BuiltInRole	Containers	View
AcrImageSigner	Planned DEPRECATION on March 31, 2028. Grant the signing permission for content t...	BuiltInRole	Containers	View
acr pull		BuiltInRole	Containers	View
acr push		BuiltInRole	Containers	View
acr quarantine reader		BuiltInRole	Containers	View
acr quarantine writer		BuiltInRole	Containers	View

Add or remove favorites by pressing Ctrl+Shift+F

- Switch to the **Role assignments** tab, click + Add and then click **Add role assignment**.

Home > myRGRBAC

myRGRBAC | Access control (IAM) ☆ ...

Search resources, services, and docs (G+)

Copilot

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

Overview
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Check access **Role assignments** Roles Deny assignments Classic administrators

Number of role assignments for this subscription 1

Privileged 1

[View assignments](#)

Search by name or email

Type: All Role: All Scope: All scopes Group by: Role

All (1) Job function roles (0) Privileged administrator roles (1)

Name	Type	Role	Scope	Condition
Owner (1)				
Yahya Ahmer e99ea1b2-ca56-4bb1-9a8b-1...	User	Owner	Subscription (Inherited)	None

Showing 1 - 1 of 1 results.

Add or remove favorites by pressing Ctrl+Shift+F

- Search for the **Virtual Machine Contributor** role and select.

Home > myRGRBAC | Access control (IAM) >

Add role assignment

Role Members Conditions Review + assign

A role definition is a collection of permissions. You can use the built-in roles or you can create your own custom roles. [Learn more](#)

[Copilot can help pick a role](#)

Job function roles Privileged administrator roles

Grant access to Azure resources based on job function, such as the ability to create virtual machines.

Virtual Machine Contribut × Type: All Category: All

Name ↑↓	Description ↑↓	Type ↑↓	Category ↑↓	Details
Classic Virtual Machine Contributor	Lets you manage classic virtual machines, but not access to them, and not the virtual network or storage account they're c...	BuiltInRole	Compute	View
Desktop Virtualization Power On Contributor	Provide permission to the Azure Virtual Desktop Resource Provider to start virtual machines.	BuiltInRole	None	View
Desktop Virtualization Power On Off Contributor	Provide permission to the Azure Virtual Desktop Resource Provider to start and stop virtual machines.	BuiltInRole	None	View
Desktop Virtualization Virtual Machine Contribu...	This role is in preview and subject to change. Provide permission to the Azure Virtual Desktop Resource Provider to create...	BuiltInRole	None	View
Service Fabric Cluster Contributor	Manage your Service Fabric Cluster resources. Includes clusters, application types, application type versions, applications, a...	BuiltInRole	None	View
Virtual Machine Contributor	Lets you manage virtual machines, but not access to them, and not the virtual network or storage account they're connect...	BuiltInRole	Compute	View

Showing 1 - 6 of 6 results.

[Review + assign](#) [Previous](#) [Next](#) [Feedback](#)

- Switch to the **Members** tab and Assign access to: User, group, or service principal.
- Then click + Select members and type in your name to the popup search function and hit 'select.'
- Then hit **Review and Assign**.

Home > myRGRBAC | Access control (IAM) >

Add role assignment

Role **Members** Conditions Review + assign

Selected role Virtual Machine Contributor

Assign access to ☒ User, group, or service principal ☐ Managed identity

Members [+ Select members](#)

Name	Object ID	Type
Yahya Ahmer(Guest)	e99ea1b2-ca56-4bb1-9a8b-1be60e709...	User

Description Optional

[Review + assign](#) [Previous](#) [Next](#) [Feedback](#)

- Refresh the Role assignments page and ensure you are now listed as a Virtual machine contributor.

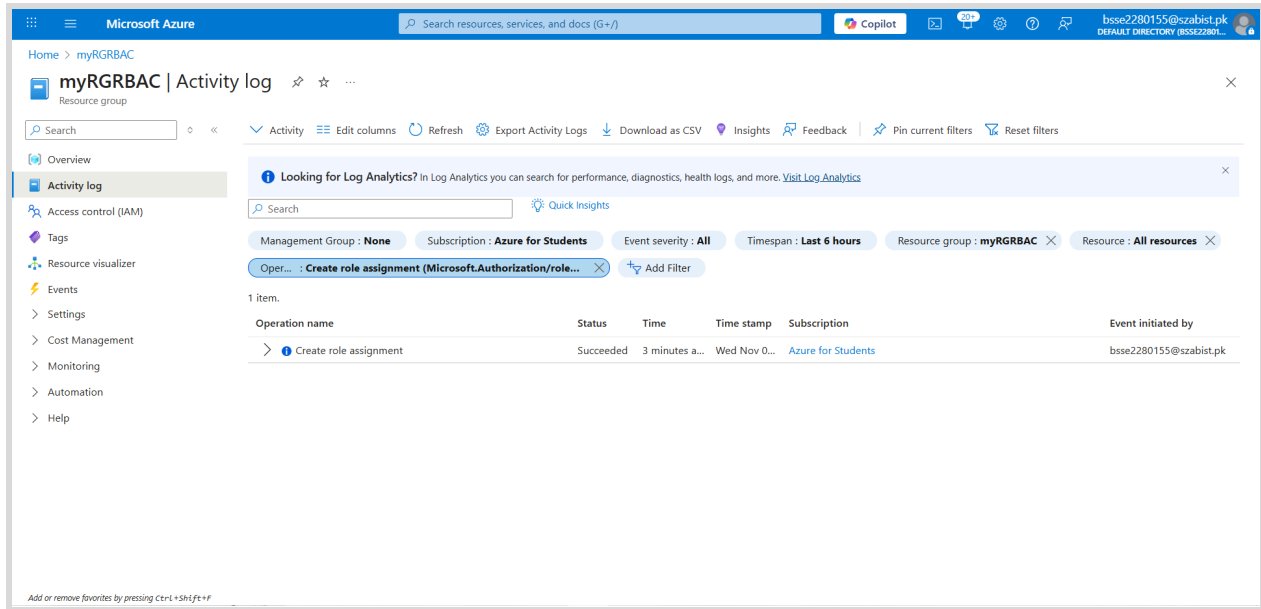
The screenshot shows the Microsoft Azure portal interface for the 'myRGRBAC' resource group. The 'Access control (IAM)' section is selected, and the 'Role assignments' tab is active. The page displays the number of role assignments for the subscription (2) and the number of privileged administrators (1). A search bar is present, and filters for 'Type: All', 'Role: All', 'Scope: All scopes', and 'Group by: Role' are shown. The table below lists the role assignments:

Name	Type	Role	Scope	Condition
Yahya Ahmer (Owner)	User	Owner	Subscription (Inherited)	None
Yahya Ahmer (Virtual Machine Contributor)	User	Virtual Machine Contributor	This resource	None

Showing 1 - 2 of 2 results.

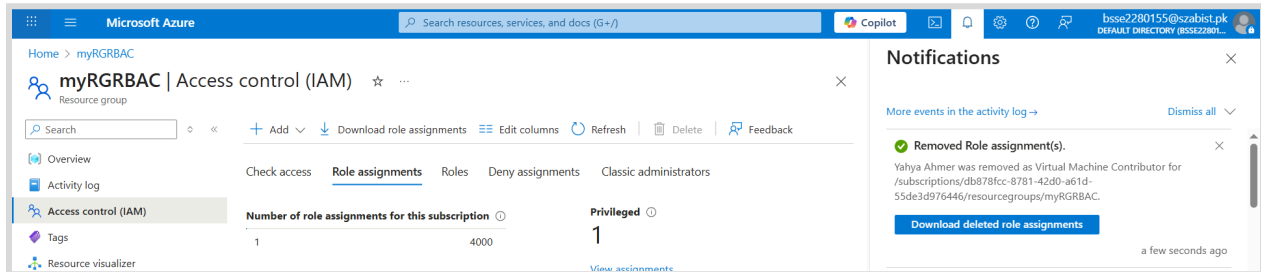
Task 2: Monitor role assignments and remove a role

- On the myRGRBAC resource group blade, click **Activity log**.
- Click **Add filter**, select **Operation**, and then **Create role assignment**.
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- Verify the Activity log shows your role assignment.

Note: Can you figure out how to remove your role assignment?



Successfully removed the role assignment!