

Name: Muhammad Osama

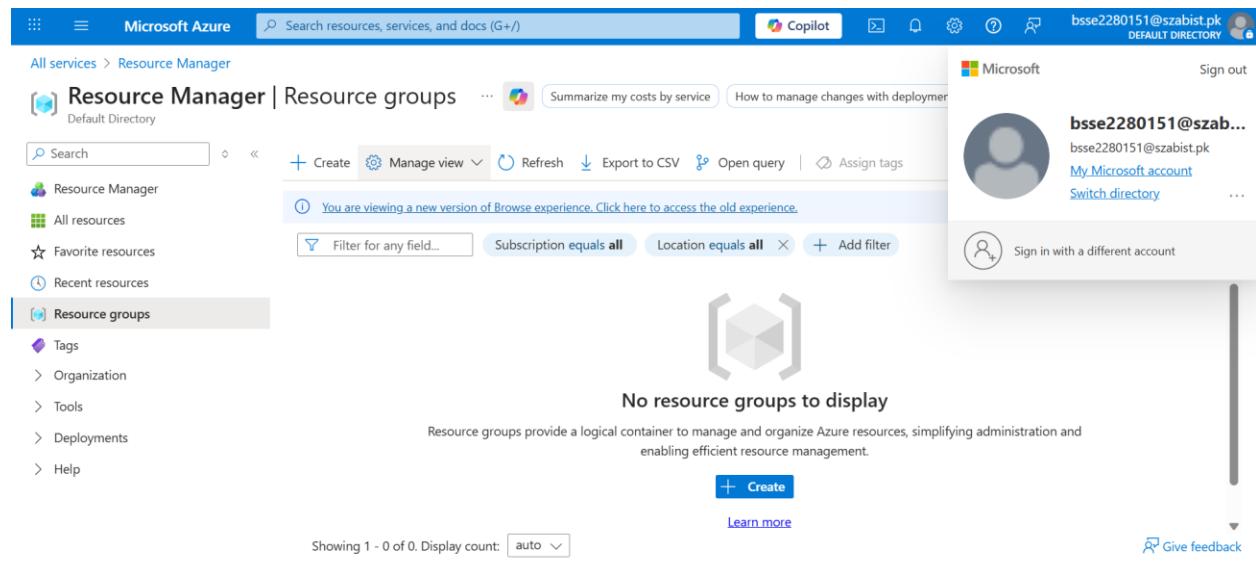
Registration no: 2280151

Program: BSSE

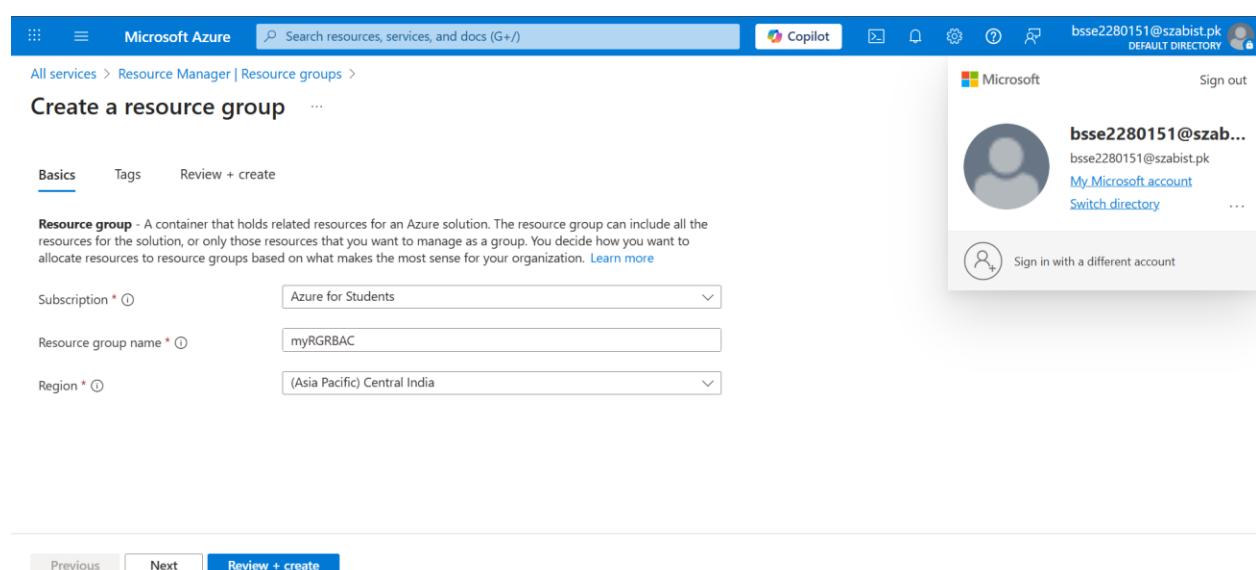
Section: B

## Lab 07 – Manage Access with RBAC

### Task 1: View and Assign Roles



The screenshot shows the Microsoft Azure Resource Manager interface. The top navigation bar includes 'Microsoft Azure', a search bar, 'Copilot', and user information ('bsse2280151@szabist.pk DEFAULT DIRECTORY'). The left sidebar has 'Resource Manager' selected under 'Resource groups'. The main content area displays a message: 'No resource groups to display' with a note: 'Resource groups provide a logical container to manage and organize Azure resources, simplifying administration and enabling efficient resource management.' A 'Create' button is available. The right sidebar shows user details ('bsse2280151@szabist...'), sign-in options, and a 'Sign out' link.

The screenshot shows the 'Create a resource group' page. The top navigation bar and user information are identical. The main content area has a title 'Create a resource group'. It shows a 'Basics' tab selected, with fields for 'Subscription' (set to 'Azure for Students'), 'Resource group name' (set to 'myRGRBAC'), and 'Region' (set to '(Asia Pacific) Central India'). Below these fields are 'Next' and 'Review + create' buttons. The right sidebar is identical to the previous screenshot.

Microsoft Azure | Resource Manager | Resource groups

**Notifications**

More events in the activity log → Dismiss all

Resource group created

Creating resource group 'myRGRBAC' in subscription 'Azure for Students' succeeded.

Go to resource | Pin to dashboard | a few seconds ago

Microsoft Azure | Resource Manager | Resource groups

Default Directory

Subscription equals all | Location equals all

Name ↑	Subscription	Location
myRGRBAC	Azure for Students	Central India

Microsoft Azure | Resource Manager | Resource groups | myRGRBAC | Access control (IAM) | Add role assignment

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

Virtual Machine Contributor | Type : All | Category : All

Name ↑	Description ↑	Type ↑	Actions
Classic Virtual Machine Contributor	Lets you manage classic virtual machines, but not access to them, and not the virtual network or storage.	BuiltInRole	View
Desktop Virtualization Power On C...	Provide permission to the Azure Virtual Desktop Resource Provider to start virtual machines.	BuiltInRole	View
Desktop Virtualization Power On Of...	Provide permission to the Azure Virtual Desktop Resource Provider to start and stop virtual machines.	BuiltInRole	View
Desktop Virtualization Virtual Mach...	This role is in preview and subject to change. Provide permission to the Azure Virtual Desktop Resource Provider to start and stop virtual machines.	BuiltInRole	View
Service Fabric Cluster Contributor	Manage your Service Fabric Cluster resources. Includes clusters, application types, applicati...	BuiltInRole	View
Virtual Machine Contributor	Lets you manage virtual machines, but not access to them, and not the virtual network or storage.	Compute	View

Showing 1 - 6 of 6 results.

Review + assign | Previous | Next | Feedback

Microsoft Azure Search resources, services, and docs (G+) Copilot Home > Resource Manager | Resource groups > 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
No members selected		

**Description** Optional

Review + assign Previous Next Select Close

Select members

Microsoft Sign out

bsse2280151@szabist.pk DEFAULT DIRECTORY

Muhammad Osama (Guest)  
bsse2280151\_szabist.pk#EXT#@bsse2280151szabist.onmicrosoft.com

Sign in with a different account

Selected members:

Muhammad Osama (Guest)  
bsse2280151\_szabist.pk#EXT#@bsse2280151szabist.onmicrosoft.com

Microsoft Azure Search resources, services, and docs (G+) Copilot Home > Resource Manager | Resource groups > myRGRBAC | Access control (IAM) > Add role assignment ...

**Selected role** Virtual Machine Contributor

**Assign access to**  User, group, or service principal  Managed identity

**Members** + Select members

Name	Object ID	Type
Muhammad Osama (Guest)	3d24b887-47b8-4eaa-9d68-25d2b24e5...	User

**Description** Optional

Review + assign Previous Next Feedback

Select members

Microsoft Sign out

bsse2280151@szabist.pk DEFAULT DIRECTORY

Muhammad Osama (Guest)  
bsse2280151\_szabist.pk#EXT#@bsse2280151szabist.onmicrosoft.com

Sign in with a different account

Microsoft Azure Search resources, services, and docs (G+)

Home > Resource Manager | Resource groups > myRGRBAC

## myRGRBAC | Access control (IAM)

Resource group

Search Add Download role assignments Edit columns Refresh Delete Feedback

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

Search by name or email Type: All Role: All Scope: All

All (3) Job function roles (1) Privileged administrator roles (2)

Name	Type	Role	Scope
Muhammad Osama	User	Owner	Subscription (Inherited) None
Muhammad Osama	User	Owner	Subscription (Inherited) None
Muhammad Osama	User	Virtual Machine Contributor	This resource None

Sign in with a different account

bsse2280151@szabist.pk DEFAULT DIRECTORY

Sign out

bsse2280151@szabist...  
bsse2280151@szabist.pk  
My Microsoft account  
Switch directory

## Task 2: Monitor Role Assignments and Remove a Role

Microsoft Azure Search resources, services, and docs (G+)

Home > myRGRBAC

## myRGRBAC | Activity log

Resource group

Search Activity Edit columns Refresh Export Activity Logs Download as CSV Insights Feedback Pin current filters

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

Looking for Log Analytics? In Log Analytics you can search for performance, diagnostics, health logs, and more. Visit Log Analytics

Management Group: None Subscription: Azure for Students Event severity: All Timespan: Last 6 hours

Resource group: myRGRBAC Resource: All resources Operation: Create role assignment (Microsoft.Authorization/roleAssignments/write)

Add Filter

Create role assignment (Microsoft.Authorization/roleAssignments/write)

Microsoft Azure Search resources, services, and docs (G+)

Home > myRGRBAC

## myRGRBAC | Activity log

Resource group

Search Activity Edit columns Refresh Export Activity Logs Download as CSV Insights Feedback

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

Looking for Log Analytics? In Log Analytics you can search for performance, diagnostics, health logs, and more. Visit Log Analytics

Management Group: None Subscription: Azure for Students Event severity: All Timespan: Last 6 hours

Resource group: myRGRBAC Resource: All resources Operation: Create role assignment (Microsoft.Authorization/roleAssignments/write)

Add Filter

Operation name	Status	Time	Time stamp	Subscription	Event initiated by
Create role assignment	Succeeded	11 minutes ...	Thu Oct 30 ...	Azure for Students	bsse2280151@szabist.pk

## Remove Role Assignments:

The screenshot shows the Microsoft Azure Access control (IAM) interface for a resource group named "myRGRBAC". The left sidebar includes links for Tags, Resource visualizer, Events, Settings, Cost Management, Monitoring, Automation, and Help. The main area displays a list of role assignments under the "Access control (IAM)" tab. The list is filtered by Type: All, Role: All, and Scope: All. It shows three entries: two "Owner" roles assigned to "Muhammad Osama" (3d24b887-47b8-4ea...) and one "Virtual Machine Contributor" role assigned to the same user. The "Virtual Machine Contributor" row is highlighted with a red box, and the "Delete" button in the top right of the list header is also highlighted with a red box.

Name	Type	Role	Scope
Muhammad Osama 3d24b887-47b8-4ea...	User	Owner	Subscription (Inherited) None
Muhammad Osama 3d24b887-47b8-4ea...	User	Owner	Subscription (Inherited) None
Muhammad Osama 3d24b887-47b8-4ea...	User	Virtual Machine Contributor	This resource None