

Name: Muhammad Osama

Registration no: 2280151

Program: BSSE

Section: B

Lab 07 – Manage Access with RBAC

Task 1: View and Assign Roles

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

Resource Manager | Resource groups

You are viewing a new version of Browse experience. [Click here to access the old experience.](#)

Filter for any field... Subscription equals all Location equals all + Add filter

No resource groups to display

Resource groups provide a logical container to manage and organize Azure resources, simplifying administration and enabling efficient resource management.

+ Create

Showing 1 - 0 of 0. Display count: auto

Add or remove favorites by pressing Ctrl+Shift+F

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

Create a resource group

Basics | Tags | Review + create

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](#)

Subscription * Azure for Students

Resource group name * myRGRBAC

Region * (Asia Pacific) Central India

Previous | Next | Review + create

Microsoft Azure

Search resources, services, and docs (G+)

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DEFAULT DIRECTORY

All services > Resource Manager

Resource Manager | Resource groups

Summarize my costs by service +2

Search

Create Manage view Refresh Export to CSV Group by none

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Resource Manager

All resources

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Recent resources

Resource groups

Tags

Notifications

More events in the activity log →Dismiss all

Resource group created

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

Go to resour... Pin to da...

a few seconds ago

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Search resources, services, and docs (G+)

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Home > Resource Manager

Resource Manager | Resource groups

Summarize my costs by service Export resource groups using Bicep or Terraform

Search

Create Manage view Refresh Export to CSV Open query Assign tags

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Filter for any field... Subscription equals all Location equals all Add filter

	Name ↑	Subscription	Location
<input type="checkbox"/>	myRGRBAC	Azure for Stude...	Central India

Resource Manager

All resources

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Resource groups

Tags

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Home > 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 ↑↓	Category
Classic Virtual Machine Contributor	Lets you manage classic virtual machines, but not access to them, and not the virtual netwo...	BuiltInRole	Compute
Desktop Virtualization Power On C...	Provide permission to the Azure Virtual Desktop Resource Provider to start virtual machines.	BuiltInRole	None View
Desktop Virtualization Power On Of...	Provide permission to the Azure Virtual Desktop Resource Provider to start and stop virtual ...	BuiltInRole	None View
Desktop Virtualization Virtual Mach...	This role is in preview and subject to change. Provide permission to the Azure Virtual Desk...	BuiltInRole	None View
Service Fabric Cluster Contributor	Manage your Service Fabric Cluster resources. Includes clusters, application types, applicati...	BuiltInRole	None View
Virtual Machine Contributor	Lets you manage virtual machines, but not access to them, and not the virtual network or st...	BuiltInRole	Compute View

Showing 1 - 6 of 6 results.

Review + assign

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Sign out

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 members

Muhammad Osama

MO

Muhammad Osama(Guest)

bsse2280151_szabist.pk#EXT#(

bsse2280151@szab...

bsse2280151@szabist.pk

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Selected members:

MO

Muhammad Osama(Guest)

bsse2280151_szabist.pk#EXT#@bsse2280151szabist.onmicrosoft.com

Select

Close

Microsoft Azure

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Sign out

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

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Home > Resource Manager | Resource groups > myRGRBAC

myRGRBAC | Access control (IAM)

Resource group

Search

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
Owner (2)			
Muhammad Osama 3d24b887-47b8-4ea...	User	Owner	Subscription (Inherited) None
Muhammad Osama 3d24b887-47b8-4ea...	User	Owner	Subscription (Inherited) None
Virtual Machine Contributor (1)			
Muhammad Osama 3d24b887-47b8-4ea...	User	Virtual Machine Contributor	This resource None

Task 2: Monitor Role Assignments and Remove a Role

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Home > myRGRBAC

myRGRBAC | Activity log

Resource group

Search

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

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

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Search

Quick Insights

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

Resource group: myRGRBAC | Resource: All resources | Operation: 0 selected

Add Filter

2 items.

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

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Home > myRGRBAC

myRGRBAC | Activity log

Resource group

Search

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

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

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Search

Quick Insights

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/role...

Add Filter

1 item.

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 portal interface for the 'myRGRBAC' resource group. The top navigation bar includes the Microsoft Azure logo, a search bar, and the user's profile 'bsse2280151@szabist.pk'. The left sidebar lists various Azure services, with 'Access control (IAM)' selected. The main content area displays the 'Access control (IAM)' page for the 'myRGRBAC' resource group. A red box highlights the 'Delete' button in the top toolbar. Another red box highlights the 'Virtual Machine Contributor' role assignment for the user 'Muhammad Osama' (ID: 3d24b887-47b8-4ea...). The table shows three role assignments: two 'Owner' roles and one 'Virtual Machine Contributor' role. The 'Virtual Machine Contributor' role is selected with a checkbox. The bottom of the table indicates 'Showing 1 - 3 of 3 results.'

Name	Type	Role	Scope
Muhammad Osama (3d24b887-47b8-4ea...)	User	Owner	Subscription (Inherited)
Muhammad Osama (3d24b887-47b8-4ea...)	User	Owner	Subscription (Inherited)
Muhammad Osama (3d24b887-47b8-4ea...)	User	Virtual Machine Contributor	This resource