

NAME: Zohaib Hassan

ID: 2280168

Section – 7B

LAB:07

07 - Manage access with RBAC (5 min)

In this walkthrough, we will assign permission roles to resources and view logs.

Task 1: View and assign roles

In this task, we will assign the Virtual machine contributor role.

1. Sign in to the [Azure portal](#).
2. From the **All services** blade, search for and select **Resource groups**, then click **+Add +New +Create**.
3. Create a new resource group. Click **Create** when you are finished.

Setting	Value
Subscription	Use default provided
Resource group	myRGRBAC
Region	(US) East US

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information. The left sidebar shows the 'Resource Manager' section with 'Resource groups' selected. The main content area displays a table of resource groups.

Name	Subscription	Location
CloudComputing	Azure for Students	Central India
DefaultResourceGroup-CCAN	Azure for Students	Canada Central
myRGRBAC	Azure for Students	Central India

4. Create **Review + create** and then click **Create**.
5. **Refresh** the resource group page and click the entry representing the newly created resource group.
6. Click on the **Access control (IAM)** blade, and then switch to the **Roles** tab. Scroll through the large number of roles definitions that are available. Use the Informational icons to get an idea of each role's permissions. Notice there is also information on the number of users and groups that are assigned to each role.

7. Switch to the **Role assignments** tab of the **myRGRBAC - Access control (IAM)** blade, click **+ Add** and then click **Add role assignment**. Search for the Virtual Machine Contributor role and select. 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'

myRGRBAC | Access control (IAM)

Resource group

Search

+ Add Download role assignments Edit columns Refresh Delete Feedback

View assignments

Search by name or email

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

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

Name	Type	Role	Scope	Condition
Owner (2)				
Zohaib Hasan 1501bed7-50df-4461-9...	User	Owner	Subscription (Inherited)	None
Zohaib Hasan 1501bed7-50df-4461-9...	User	Owner	Subscription (Inherited)	None
Virtual Machine Contributor (1)				

Note: The Virtual machine contributor role lets you manage virtual machines, but not access their operating system or manage the virtual network and storage account they are connected to.

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 | Reset filters

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Automation

6 items.

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create role assignment

Quick Insights

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

Operation : None | Resource : All resources | Add Filter

Operation name	Status	Time	Time stamp	Subscription	Event initiated by
Create role assignment	Failed	an hour ago	Fri Nov 07 2...	Azure for Students	bsse2280168@szabist.pk
Create role assignment	Started	an hour ago	Fri Nov 07 2...	Azure for Students	bsse2280168@szabist.pk
Create role assignment	Succeeded	an hour ago	Fri Nov 07 2...	Azure for Students	bsse2280168@szabist.pk

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

Note: This assignment does not actually grant you any additional privileges, since your account has already the Owner role, which includes all privileges associated with the Contributor role.

Task 2: Monitor role assignments and remove a role

In this task, we will view the activity log to verify the role assignment, and then remove the role.

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

3. Verify the Activity log shows your role assignment.

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

Congratulations! You created a resource group, assigned an access role to it and viewed activity logs.

Note: To avoid additional costs, you can optionally remove this resource group. Search for resource groups, click your resource group, and then click **Delete resource group**. Verify the name of the resource group and then click **Delete**. Monitor the **Notifications** to see how the delete is proceeding.

Home > myRGRBAC

myRGRBAC | Access control (IAM) ☆ ⋮

Resource group

Search

⊕ Add ⊘ Download role assignments ⋮ Edit columns ↺ Refresh 🗑 Delete 🗨 Feedback

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Number of role assignments for this subscription ⓘ

4

4000

Privileged ⓘ

2

View assignments

Search by name or email

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

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

☒ Name ↑↓ Type ↑↓ Role ↑↓ Scope ↑↓ Condition ↑↓

Owner (2)

☒ ZH Zohaib Hasan 1501bed7-50df-4461-9... User Owner Subscription (Inherited) None

☒ ZH Zohaib Hasan 1501bed7-50df-4461-9... User Owner Subscription (Inherited) None

Virtual Machine Contributor (1)

☒ ZH Zohaib Hasan 1501bed7-50df-4461-9... User Virtual Machine Contributor This resource None

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Home > myRGRBAC

myRGRBAC | Access control (IAM) ☆ ⋮

Resource group

Search

⊕ Add ⊘ Download role assignments ⋮ Edit columns ↺ Refresh 🗑 Delete 🗨 Feedback

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Check access Role assignments Roles Deny assignments Classic administrators

Number of role assignments for this subscription ⓘ

3

4000

Privileged ⓘ

2

View assignments

Search by name or email

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

All (2) Job function roles (0) Privileged administrator roles (2)

☐ Name ↑↓ Type ↑↓ Role ↑↓ Scope ↑↓ Condition ↑↓

Owner (2)

Showing 1 - 2 of 2 results.