

# Introduction to Cloud Computing

## LAB 07

Name: Hamad Naseem

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BSSE 7-B

### Task 1: View and assign roles

The screenshot displays the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information for 'bsse2280143@szabist.pk'. The main content area is divided into two sections. The first section, titled 'myRGRBAC Resource group', shows an 'Overview' tab with a list of resource group actions (Create, Manage view, Delete resource group, Refresh, Export to CSV, Open query) and a 'JSON View' link. Below this, the 'Resources' tab is active, displaying a message: 'No resources match your filters. Try changing or clearing your filters.' with 'Create' and 'Clear filters' buttons. The second section, titled 'myRGRBAC | Access control (IAM)', shows the 'Role assignments' tab. It displays the 'Number of role assignments for this subscription' as 2 out of 4000, and the 'Privileged' count as 2. A search bar and filters (Type: All, Role: All, Scope: All scopes, Group by: Role) are present. Below the filters, a table lists the role assignments for the 'Owner' role, showing two entries for 'Hamd Naseem' (User) with the role 'Owner' and scope 'Subscription (Inherited)'. The table has columns for Name, Type, Role, Scope, and Condition.

Microsoft Azure

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

Copilot

bsse2280143@szabist.pk  
DEFAULT DIRECTORY (BSSE22801...

Home > Resource Manager | Resource groups >

myRGRBAC  
Resource group

Export resource groups using Bicep or Terraform

Generate Bicep code to duplicate this resource group.

How to manage changes with deployment tools?

Search

+ Create

Manage view

Delete resource group

Refresh

Export to CSV

Open query

Group by none

Overview

Activity log

Access control (IAM)

Tags

Resource visualizer

Events

Settings

Cost Management

Monitoring

Automation

Help

Essentials

Resources

Recommendations

Filter for any field...

Type equals all

Location equals all

Add filter

No resources match your filters

Try changing or clearing your filters.

Create

Clear filters

Microsoft Azure

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

Copilot

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DEFAULT DIRECTORY (BSSE22801...

Home > Resource Manager | Resource groups > myRGRBAC

myRGRBAC | Access control (IAM)

Search

+ Add

Download role assignments

Edit columns

Refresh

Delete

Feedback

Check access

Role assignments

Roles

Deny assignments

Classic administrators

Number of role assignments for this subscription

2

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)

Hamd Naseem  
6e992f24-825e-4ed...

User

Owner

Subscription (Inherited)

None

Hamd Naseem  
6e992f24-825e-4ed...

User

Owner

Subscription (Inherited)

None

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Microsoft Azure

Search resources, services, and docs (G+/)

Copilot

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DEFAULT DIRECTORY (BSSE22801...

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
Hamd Naseem(Guest)	6e992f24-825e-4eda-a99a-d7d0d63187f6	User

Description

Optional

Review + assign

Previous

Next

Feedback

Microsoft Azure

Search resources, services, and docs (G+/)

Copilot

bsse2280143@szabist.pk  
DEFAULT DIRECTORY (BSSE22801...

Home > Resource Manager | Resource groups > myRGRBAC

myRGRBAC | Access control (IAM)

☆ ...

Resource group

Search

+ Add

Download role assignments

Edit columns

Refresh

Delete

Feedback

Overview

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Resource visualizer

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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 (3)

Job function roles (1)

Privileged administrator roles (2)

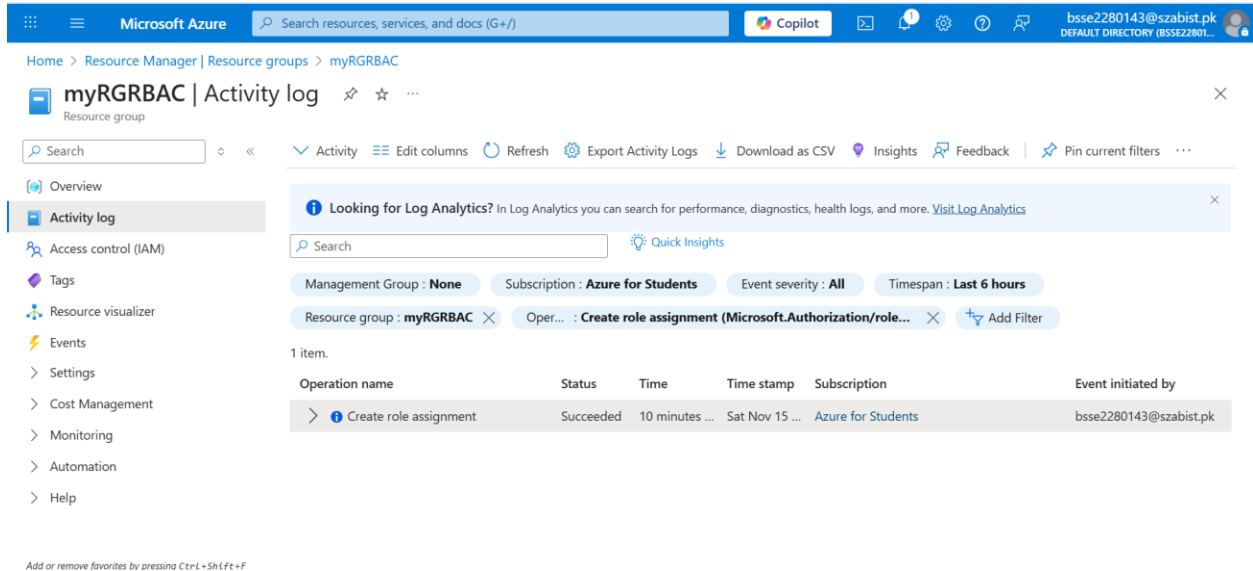
Name	Type	Role	Scope	Condition
Owner (2)				
<input type="checkbox"/> HN Hamd Naseem 6e992f24-825e-4ed...	User	Owner	Subscription (Inherited)	None
<input type="checkbox"/> HN Hamd Naseem 6e992f24-825e-4ed...	User	Owner	Subscription (Inherited)	None

Add or remove favorites by pressing Ctrl+Shift+F

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## LAB 07

### Task 2: Monitor role assignments and remove a role



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

Home > Resource Manager | Resource groups > myRGRBAC

myRGRBAC | Activity log

Search

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

Looking for Log Analytics? In Log Analytics you can search for performance, diagnostics, health logs, and more. [Visit Log Analytics](#)

Search

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

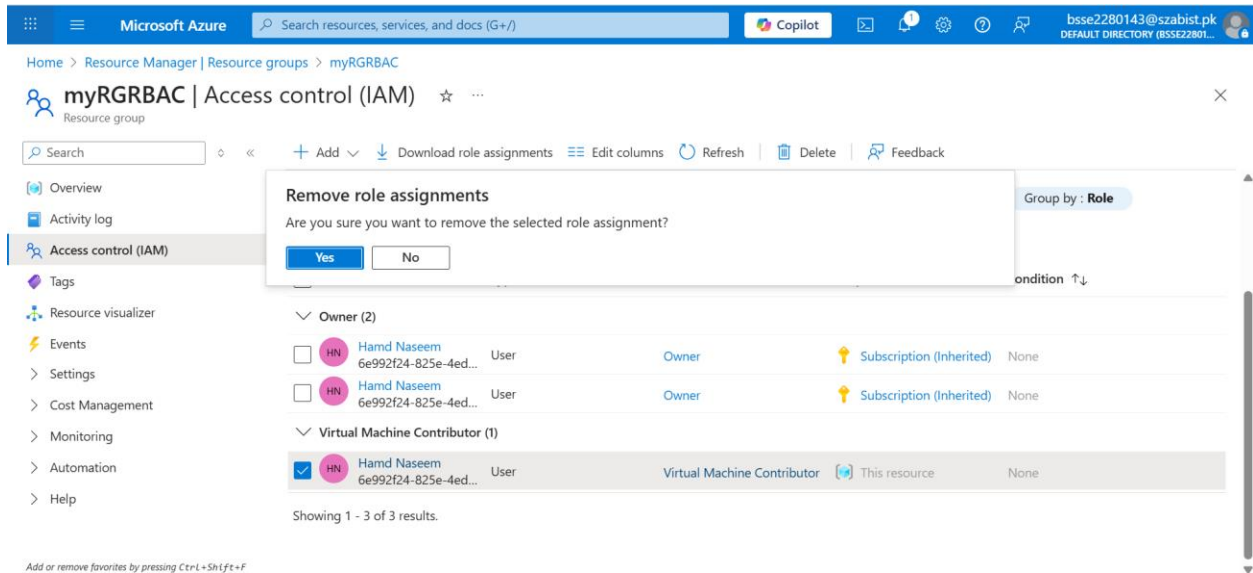
Resource group : myRGRBAC | Oper... : Create role assignment (Microsoft.Authorization/role... | Add Filter

1 item.

Operation name	Status	Time	Time stamp	Subscription	Event initiated by
Create role assignment	Succeeded	10 minutes ...	Sat Nov 15 ...	Azure for Students	bsse2280143@szabist.pk

Add or remove favorites by pressing Ctrl+Shift+F

### REMOVING MY ROLE ASSIGNMENT:



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

Home > Resource Manager | Resource groups > myRGRBAC

myRGRBAC | Access control (IAM)

Search

+ Add | Download role assignments | Edit columns | Refresh | Delete | Feedback

Remove role assignments

Are you sure you want to remove the selected role assignment?

Yes No

Group by : Role

Role	User	Role name	Condition
Owner (2)			
HN Hamd Naseem 6e992f24-825e-4ed...	User	Owner	Subscription (Inherited) None
HN Hamd Naseem 6e992f24-825e-4ed...	User	Owner	Subscription (Inherited) None
Virtual Machine Contributor (1)			
HN Hamd Naseem 6e992f24-825e-4ed...	User	Virtual Machine Contributor	This resource None

Showing 1 - 3 of 3 results.

Add or remove favorites by pressing Ctrl+Shift+F

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## LAB 07

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

Home > Resource Manager | Resource groups > myRGRBAC

myRGRBAC | Access control (IAM)

Resource group

Search

Overview

Activity log

Access control (IAM)

Tags

Resource visualizer

Events

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Cost Management

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Help

Check access

Role assignments

Roles

Deny assignments

Classic administrators

Number of role assignments for this subscription

2

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

Co

Notifications

More events in the activity log → Dismiss all

Removed Role assignment(s).

Hamd Naseem was removed as Virtual Machine Contributor for /subscriptions/08961442-0f0c-42c9-828a-eb31cd3c44ff/resourceGroups/myRGRBAC.

Download deleted role assignments

a few seconds ago

Added Role assignment

Hamd Naseem(Guest) was added as Virtual Machine Contributor for myRGRBAC.

14 minutes ago

[https://portal.azure.com/#blade/Microsoft\\_Azure\\_ActivityLog/ActivityLogBlade/queryInputs/%7B%22user%3A%40me%7D](https://portal.azure.com/#blade/Microsoft_Azure_ActivityLog/ActivityLogBlade/queryInputs/%7B%22user%3A%40me%7D)