Yumaan Mustafa

BSSE 7A

2280133

Lab 7

07 - Manage access with RBAC (5 min)

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

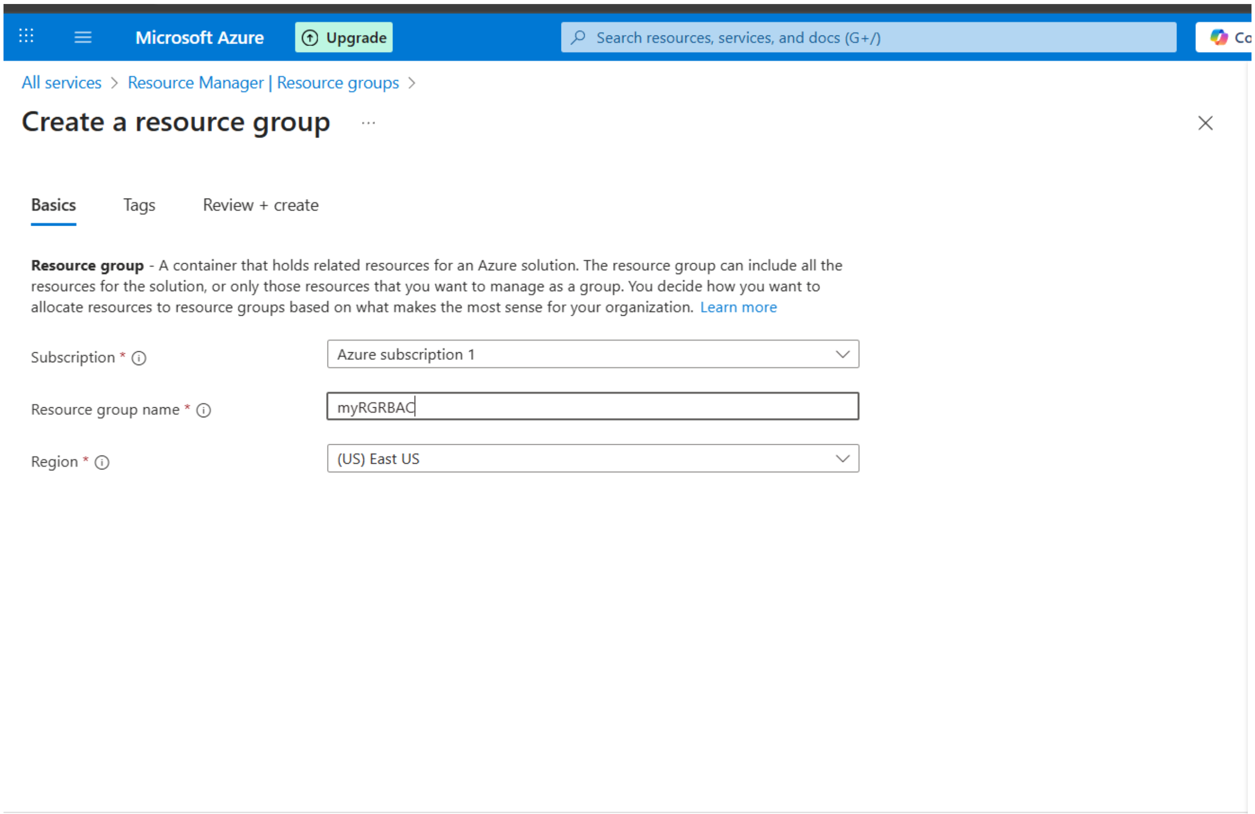
Task 1: View and assign roles

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


Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
All services > Resource Manager | Resource groups >

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

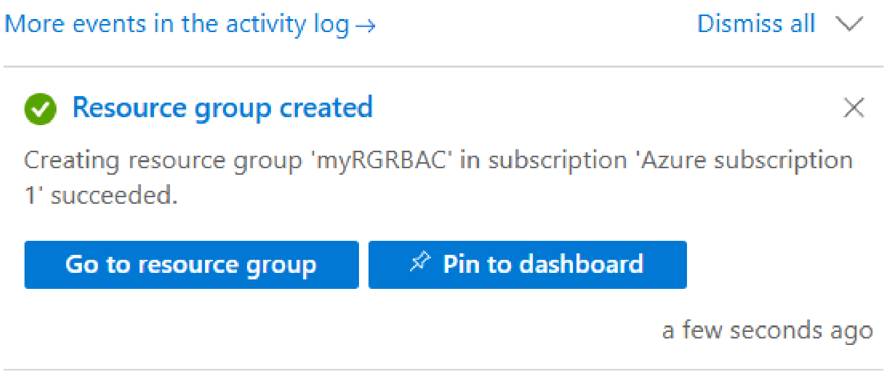
Subscription * : Azure subscription 1

Resource group name * : myRGRBAC

Region * : (US) East US

4. Create Review + create and then click Create.

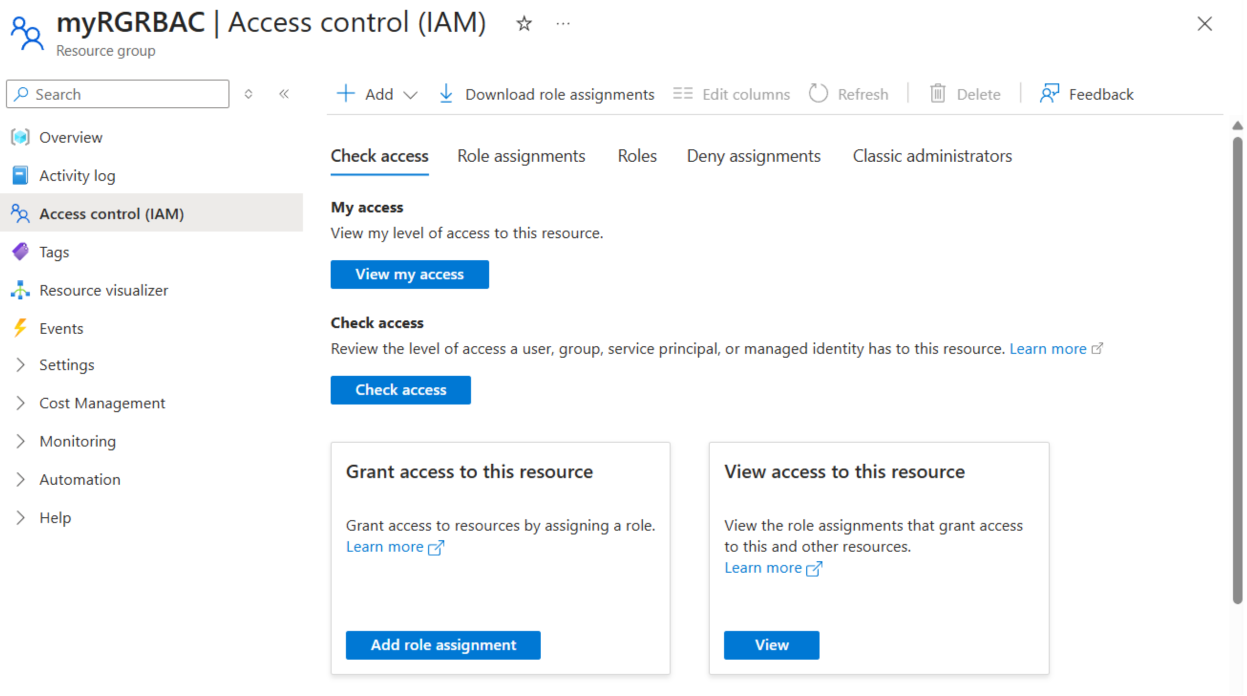
5. Refresh the resource group page and click the entry representing the newly created resource group.



Resource group created

Creating resource group 'myRGRBAC' in subscription 'Azure subscription 1' succeeded.

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.



myRGRBAC | Access control (IAM)

Resource group

My access

View my level of access to this resource.

Check access

Review the level of access a user, group, service principal, or managed identity has to this resource. Learn more

Grant access to this resource

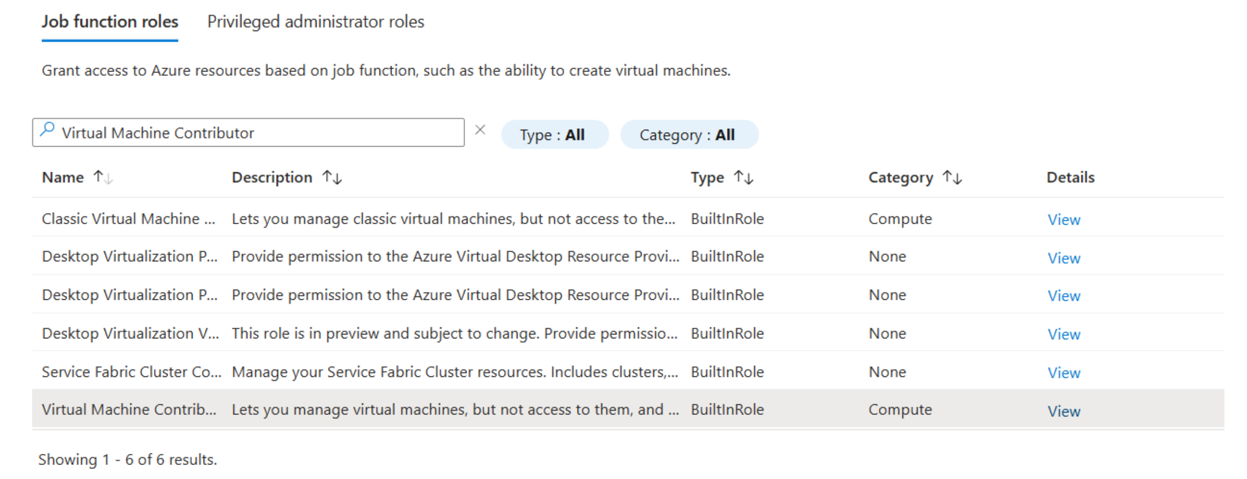
Grant access to resources by assigning a role. Learn more

View access to this resource

View the role assignments that grant access to this and other resources. Learn more

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’ 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.



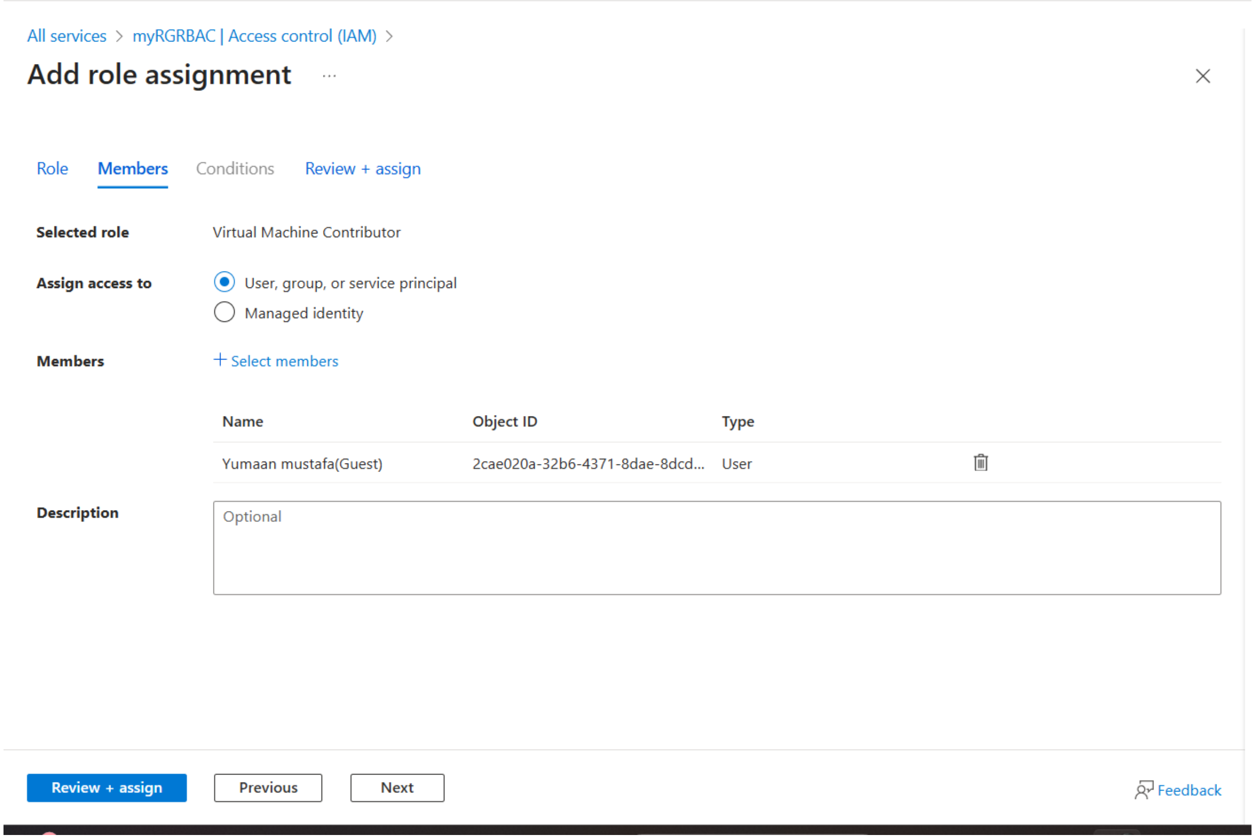
Grant access to Azure resources based on job function, such as the ability to create virtual machines.

Virtual Machine Contributor

Type : **All** Category : **All**

Name ↑↓	Description ↑↓	Type ↑↓	Category ↑↓	Details
Classic Virtual Machine ...	Lets you manage classic virtual machines, but not access to the...	BuiltInRole	Compute	View
Desktop Virtualization P...	Provide permission to the Azure Virtual Desktop Resource Provi...	BuiltInRole	None	View
Desktop Virtualization P...	Provide permission to the Azure Virtual Desktop Resource Provi...	BuiltInRole	None	View
Desktop Virtualization V...	This role is in preview and subject to change. Provide permissio...	BuiltInRole	None	View
Service Fabric Cluster Co...	Manage your Service Fabric Cluster resources. Includes clusters,...	BuiltInRole	None	View
Virtual Machine Contrib...	Lets you manage virtual machines, but not access to them, and ...	BuiltInRole	Compute	View

Showing 1 - 6 of 6 results.



Selected role: Virtual Machine Contributor

Assign access to: ● User, group, or service principal ○ Managed identity

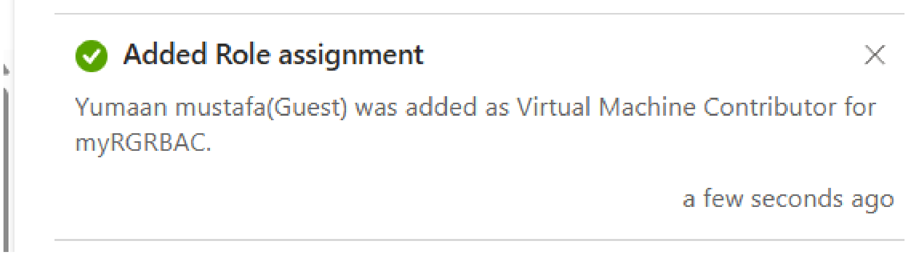
Members: + Select members

Name	Object ID	Type
Yumaan mustafa(Guest)	2cae020a-32b6-4371-8dae-8dcd...	User

Description: Optional

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 provileges, since your account has already the Owner role, which includes all privilges associated with the Contributor role.



Added Role assignment

Yumaan mustafa(Guest) was added as Virtual Machine Contributor for myRGRBAC.

a few seconds ago

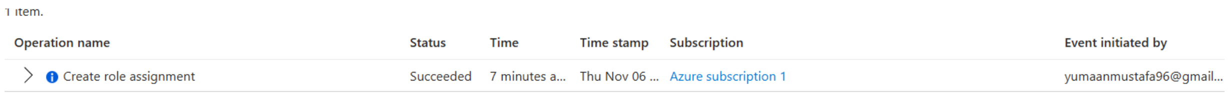
Task 2: Monitor role assignments and remove a role

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

1. On the myRGRBAC resource group blade, click Activity log.

2. Click Add filter, select Operation, and then Create role assignment.

3. Verify the Activity log shows your role assignment.



1 item.

Operation name	Status	Time	Time stamp	Subscription	Event initiated by
Create role assignment	Succeeded	7 minutes a...	Thu Nov 06 ...	Azure subscription 1	yumaanmustafa96@gmail...

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.