



St. JOSEPH'S
GROUP OF INSTITUTIONS
OMR, CHENNAI - 119

PLACEMENT EMPOWERMENT PROGRAM

Cloud Computing & DevOps Centre

Setting up IAM roles and permissions in cloud: Create an IAM role on your cloud platform. Assign the role to your VM to restrict/allow access.

NAME: AVINASH S

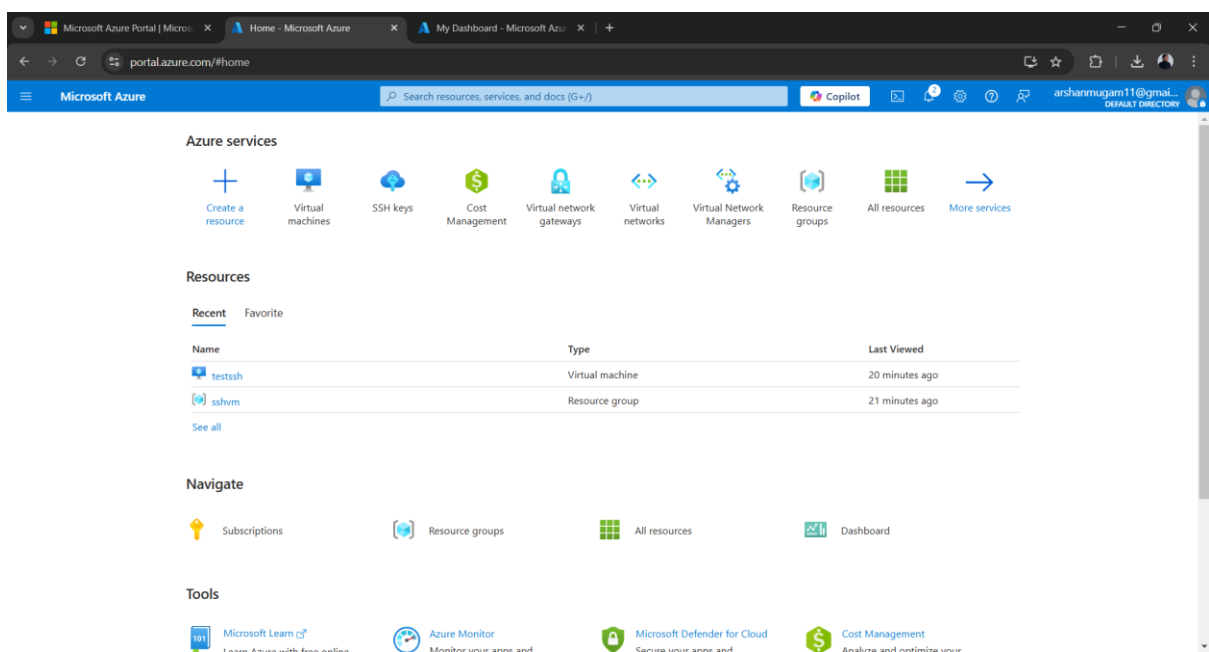
Dept: CSE

NOTE:

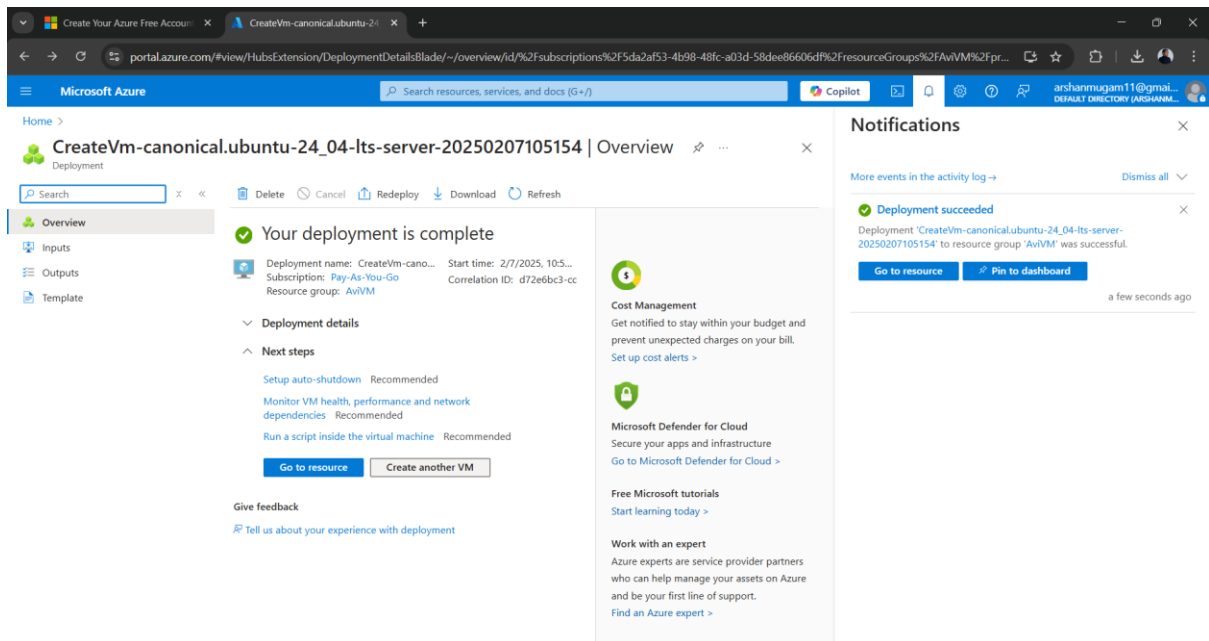
- **Azure** doesn't directly use the terminology "IAM Roles" like AWS does; instead, it uses **Azure Roles** with **Role-Based Access Control (RBAC)**. Below are steps to set up a role in Azure and assign it to a Virtual Machine (VM) to manage access.

STEP BY STEP PROCESS:

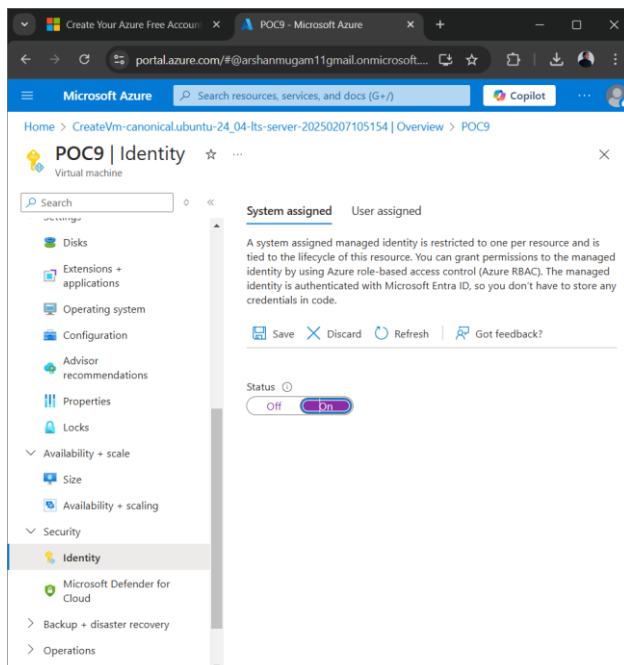
Step 1: Go to the Azure Portal.



Step 2: Navigate to **Virtual Machines > Your VM > Identity**.

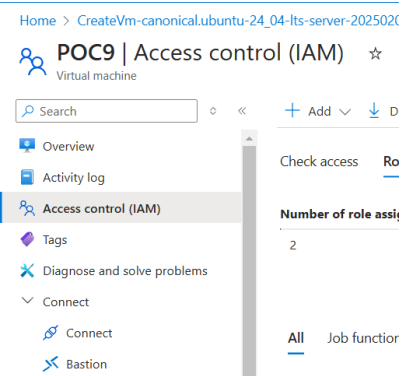


Step 3: Enable System-assigned managed identity.

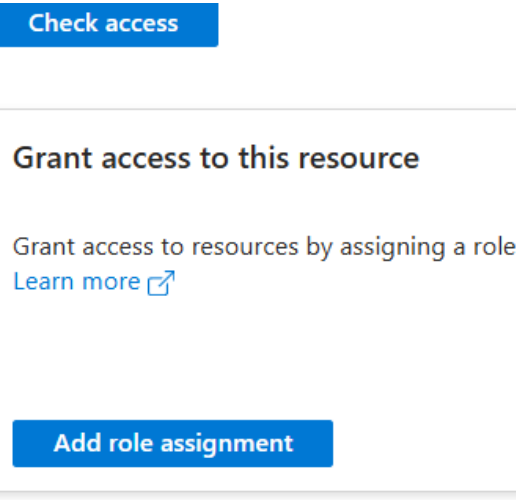


➔ **Assign Role via the Portal:**

Step 4: Go to Access Control (IAM) on the VM you created.



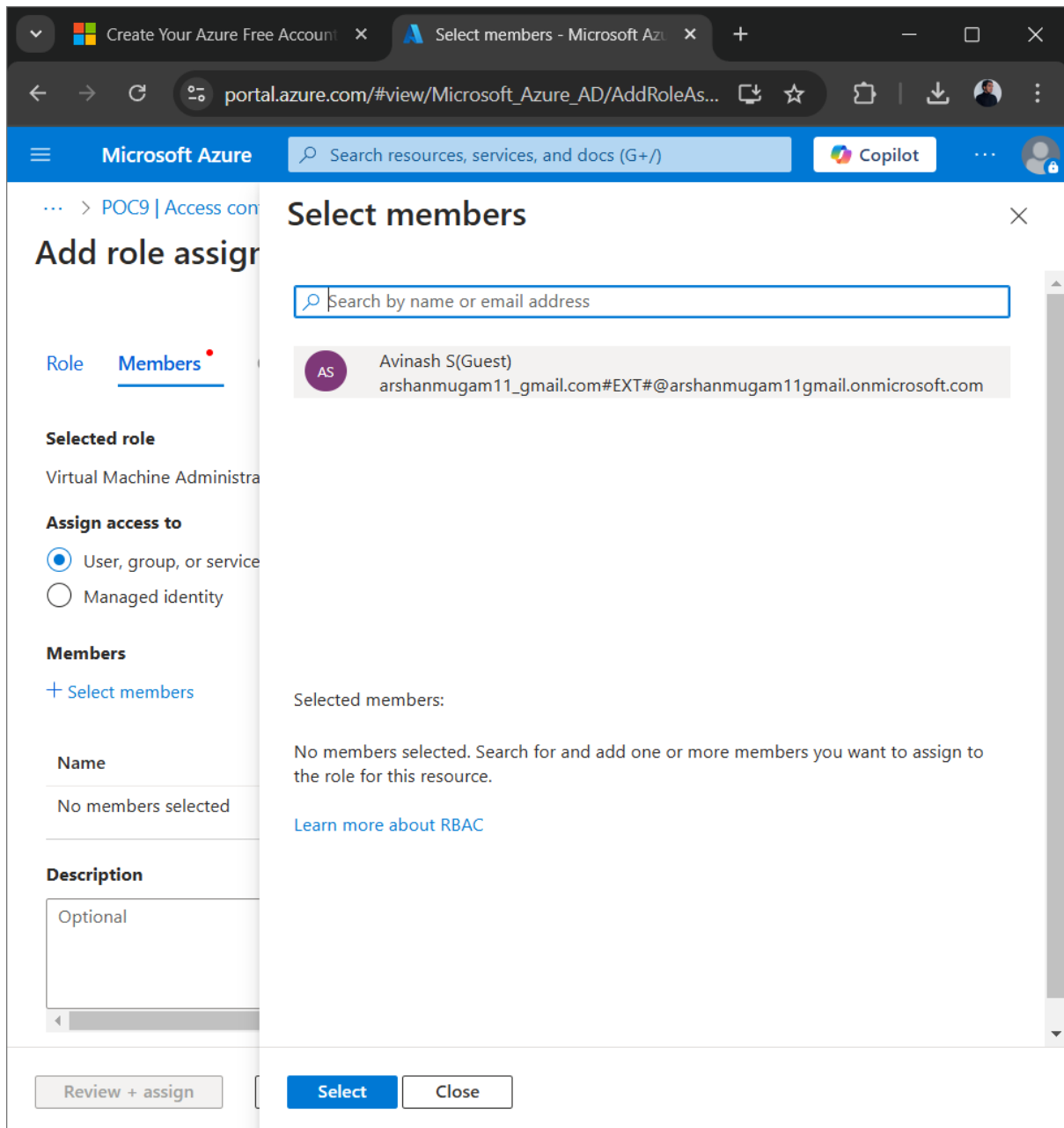
Step 5: Click **Add > Add role assignment**.



Step 6: Choose the role [VM Administrator].

Scheduled Events Con...	Provides access to scheduled event actions	BuiltInRole	None
Virtual Machine Admi...	View Virtual Machines in the portal and login as admini...	BuiltInRole	Compute
Virtual Machine Contr...	Lets you manage virtual machines, but not access to th...	BuiltInRole	Compute

Step 8: Select Members > Managed Identity, search for your VM, and assign the role.



Step 9: Once done go to Role Assignments and check whether role has been assigned or not.

Create Your Azure Free Account

POC9 - Microsoft Azure

portal.azure.com/#@arshanmugam11gmail.onmicrosoft.com/resource/subscriptions/5da2af53-4b98-48fc-a03d-58dee86606df/resourcegroups/AvVM/providers/Microsoft.Compute...

Microsoft Azure

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

Copilot

arshanmugam11@gmail...
DEFAULT DIRECTORY (ARSHANM...

Home > CreateVm-canonical.ubuntu-24_04-lts-server-20250207105154 | Overview > POC9

POC9 | Access control (IAM)

Virtual machine

Search

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Connect

Connect

Bastion

Networking

Network settings

Load balancing

Application security groups

Network manager

Settings

Disks

Extensions + applications

+ 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

1

View assignments

All

Job function (1)

Privileged (1)

Search by name or email

Type: All

Role: All

Scope: All scopes

Group by: Role

2 Items (2 Users)

Name	Type	Role	Scope	Condition
Owner (1)				
<input type="checkbox"/> Avinash S arshanmugam11_gmail.com#...	User	Owner	Subscription (Inherited)	None
Virtual Machine Administrator Login (1)				
<input type="checkbox"/> Avinash S arshanmugam11_gmail.com#...	User	Virtual Machine Administrator Login	This resource	None