

Exp 20 :Creating a virtual machine using public cloud services in Microsoft Azure.

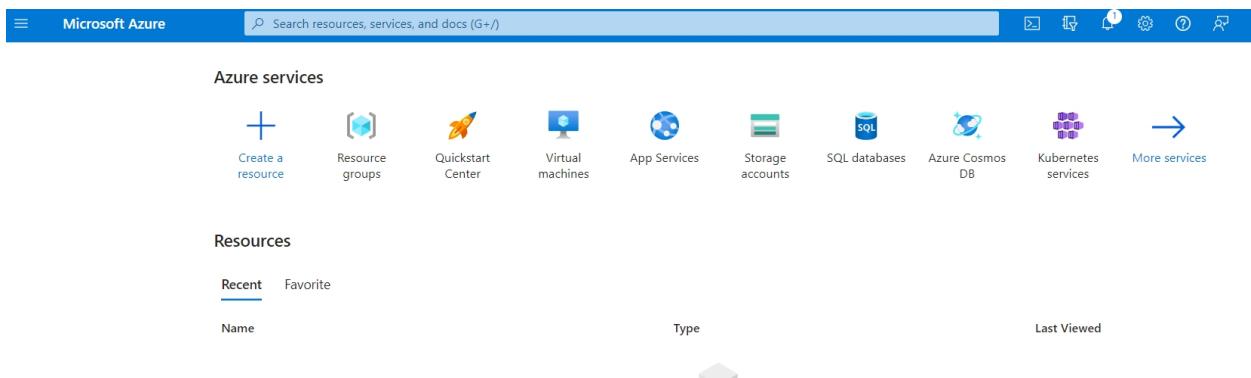
Aim

To create and configure a **Virtual Machine (VM)** using **Microsoft Azure public cloud services**, and to understand the steps involved in provisioning, accessing, and managing a VM in the cloud environment.

Procedure:

Step 1:

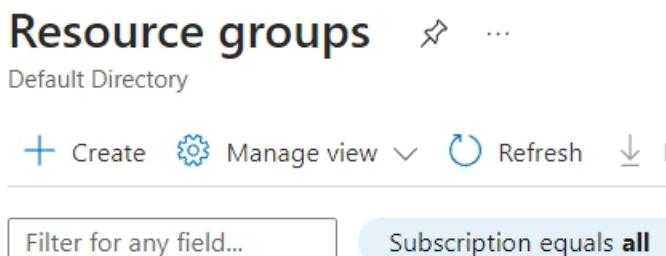
Click on resource group.



The screenshot shows the Microsoft Azure portal homepage. At the top, there's a navigation bar with a search bar labeled "Search resources, services, and docs (G+/" and several icons for account management. Below the search bar is a section titled "Azure services" containing icons for "Create a resource", "Resource groups", "Quickstart Center", "Virtual machines", "App Services", "Storage accounts", "SQL databases", "Azure Cosmos DB", "Kubernetes services", and "More services". Underneath this is a "Resources" section with tabs for "Recent" (which is selected) and "Favorite". It includes columns for "Name", "Type", and "Last Viewed". A large, semi-transparent "Cloud" icon is overlaid on the bottom left of the page.

Step 2:

click on create.



The screenshot shows the "Resource groups" page in the Azure portal. At the top, it says "Default Directory" and has a "Create" button, a "Manage view" dropdown, and a "Refresh" button. Below this is a search bar with the placeholder "Filter for any field..." and a dropdown menu set to "Subscription equals all". The main area displays the message "Showing 0 to 0 of 0 records." with a "New" button above it.

Showing 0 to 0 of 0 records.

Step 3:

Enter resource group as “record”.

Select region accordingly.

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](#)

Project details

Subscription * ⓘ

Azure for Students ▾

Resource group * ⓘ

Record ✓

Resource details

Region * ⓘ

(Asia Pacific) South India ▾

Click on Next:Tags > .

Step 4:

Click on Next: review + create > .

Create a resource group ...

Basics **Tags** Review + create

Apply tags to your Azure resources to logically organize them by categories. A tag consists of a tag name and a tag value. Tag names are case-insensitive and tag values are case-sensitive. [Learn more](#)

Name ⓘ	Value ⓘ	Resource
<input type="text"/>	:	<input type="text"/> Resource grou

[Review + create](#)

[< Previous](#)

[Next : Review + create >](#)

Step 5 :

Click on Create .

Create a resource group

 Validation passed.

Basics Tags **Review + create**

Basics

Subscription	Azure for Students
Resource group	Record9
Region	South India

Tags

None

[Create](#)[< Previous](#)[Next >](#)[Download a template for automation](#)

Resource group is created successfully.

Output:

A virtual machine is successfully created and accessed using Microsoft Azure. The experiment demonstrates how cloud services can provision computing resources on demand, with flexible configuration and global accessibility.

The screenshot shows the Microsoft Azure portal interface. At the top, there's a navigation bar with the Microsoft Azure logo and a search bar labeled "Search resources, services, and docs (G+/-)". Below the navigation bar, the page title is "Resource groups". A breadcrumb trail indicates the current location: "Home > Resource groups". There are several action buttons: "Create", "Manage view", "Refresh", "Export to CSV", "Open query", and "Assign tags". Below these buttons are two filter options: "Subscription equals all" and "Location equals all". A message below the filters says "Showing 1 to 1 of 1 records.". The main table displays one record with the following details:

Name	Subscription	Location
Record9	Azure for Students	So