

## EXP:17

**Aim:** Demonstrate Infrastructure as a Service (IaaS) by creating a resources group using a Public Cloud Service Provider (Azure), configure with minimum CPU, RAM, and Storage.

### Implementation:

STEP:1:: open azure and create account Go to resource groups

The screenshot shows the Microsoft Azure portal interface. The 'Resource groups' modal is open, displaying options to 'Create' or 'View' a resource group. Below the modal, the 'Recent resources' section lists three items: 'rg' (an hour ago), 'rgroup' (an hour ago), and 'cloud-shell-storage-centralindia' (15 hours ago). The 'Resources' table lists various resources, including 'webapp1', 'rg', 'vm1', 'rgroup', 'cloud-shell-storage-centralindia', and 'csg100320036407d6b9'. The table has columns for 'Name', 'Type', and 'Last Viewed'.

Name	Type	Last Viewed
webapp1	Web App	55 minutes ago
rg	Resource group	55 minutes ago
vm1	Virtual machine	57 minutes ago
rgroup	Resource group	58 minutes ago
cloud-shell-storage-centralindia	Resource group	15 hours ago
csg100320036407d6b9	Storage account	15 hours ago

THEN GO THE CREATE.

The screenshot shows the 'Resource groups' page in the Microsoft Azure portal. The page displays a list of resource groups with columns for 'Name', 'Subscription', and 'Location'. The list includes 'cloud-shell-storage-centralindia', 'NetworkWatcherRG', 'Resgroup', 'resorcegroup', 'resourcegroup', 'rg', and 'rgroup'. The page also includes filters and a 'Create' button.

Name	Subscription	Location
cloud-shell-storage-centralindia	Azure for Students	Central India
NetworkWatcherRG	Azure for Students	Central India
Resgroup	Azure for Students	Central India
resorcegroup	Azure for Students	Central India
resourcegroup	Azure for Students	Central India
rg	Azure for Students	Central India
rgroup	Azure for Students	Central India

## Give name to resource group and give next:tags

The screenshot shows the 'Create a resource group' page in the Azure portal. The 'Basics' tab is selected. The 'Project details' section shows 'Subscription' as 'Azure for Students' and 'Resource group' as 'exp17'. The 'Resource details' section shows 'Region' as '(US) East US'. At the bottom, there are buttons for 'Review + create', '< Previous', and 'Next : Tags >'. The Windows taskbar at the bottom shows the date as 19-03-2024 and time as 09:47.

Home > 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](#)

**Project details**

Subscription \* ⓘ Azure for Students

Resource group \* ⓘ exp17 ✓

**Resource details**

Region \* ⓘ (US) East US

Review + create < Previous Next : Tags >

## Fill the name and value and give next:review+create>

The screenshot shows the 'Create a resource group' page in the Azure portal, with the 'Tags' tab selected. It provides instructions on applying tags and shows a table for adding tags. The table has columns for Name, Value, and Resource. Two tags are already added: 'g' with value '22' and 'ms-resource-usage' with value '23'. A third row is empty for adding a new tag. At the bottom, there are buttons for 'Review + create', '< Previous', and 'Next : Review + create >'. The Windows taskbar at the bottom shows the date as 19-03-2024 and time as 09:48.

Home > Resource groups >

### 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 key (name) and a value. Tag names are case-insensitive and tag values are case-sensitive. [Learn more](#)

Name ⓘ	Value ⓘ	Resource
g	: 22	Resource group
ms-resource-usage	: 23	Resource group
	:	Resource group

Review + create < Previous Next : Review + create >

STEP:3:: go to create

portal.azure.com/#create/Microsoft.ResourceGroup

Microsoft Azure

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

Home > Resource groups >

### Create a resource group

Validation passed.

Basics Tags **Review + create**

Basics

Subscription Azure for Students

Resource group exp17

Region East US

Tags

g 22

ms-resource-usage 23

Create < Previous Next > Download a template for automation

STEP:4:so the resource group was created then go to resource group

portal.azure.com/#view/HubsExtension/BrowseResourceGroups

Microsoft Azure

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

Home >

### Resource groups

Default Directory (vishnuvardhansait5081ssesav.onmicrosoft.com)

+ Create Manage view Refresh Export to CSV Open query Assign tags

Filter for any field... Subscription equals all Location equals all Add filter

Showing 1 to 8 of 8 records.

Name	Subscription	Location
cloud-shell-storage-centralindia	Azure for Students	Central India
exp17	Azure for Students	East US
NetworkWatcherRG	Azure for Students	Central India
Resgroup	Azure for Students	Central India
resorcegroup	Azure for Students	Central India
resourcegroup	Azure for Students	Central India
rg	Azure for Students	Central India

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Give feedback

RESULT: THUS,THE PROGRAM FOR THE RESOURCE GROUP IN AZURE HAS BEEN DONE SUCCESSFULLY

