

CSA1518-CLOUD COMPUTING AND BIG DATA ANALYTICS

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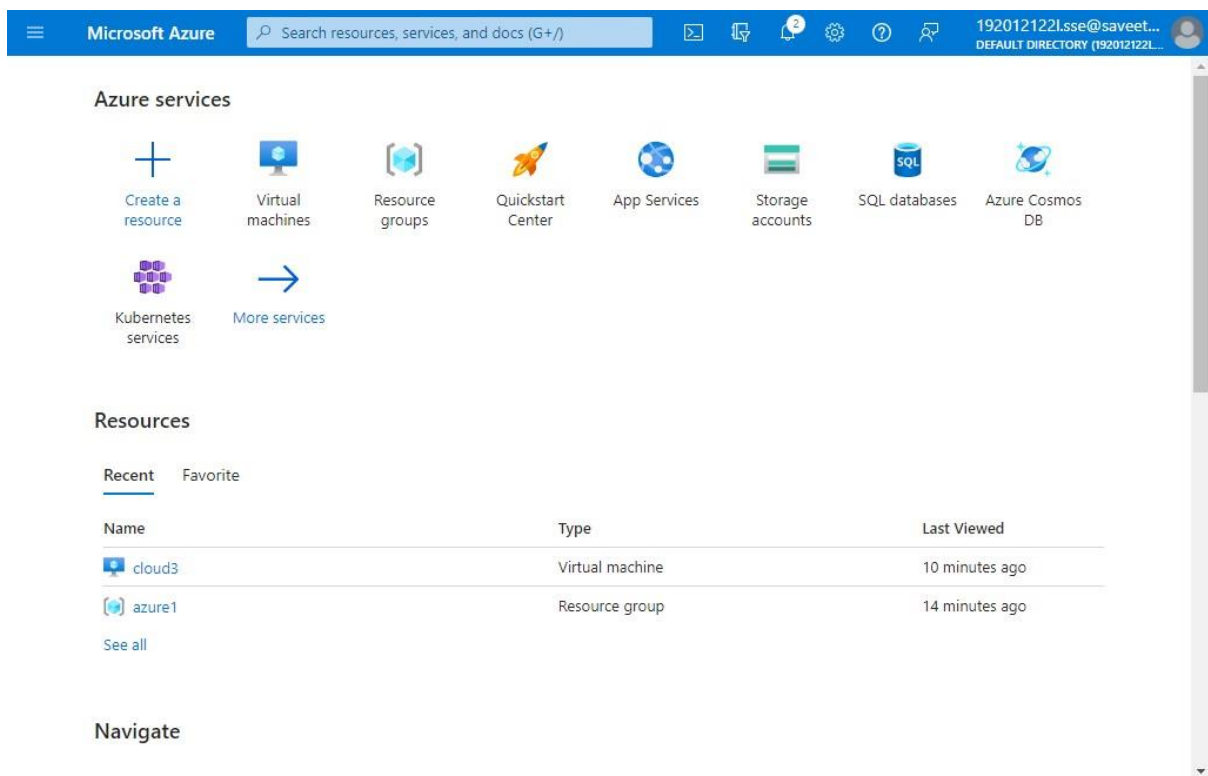
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EXPERIMENT 12:

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:SELECT RESOURCE GROUP



The screenshot shows the Microsoft Azure portal interface. At the top, there's a navigation bar with the Microsoft Azure logo, a search bar, and user information. Below the navigation bar, the 'Azure services' section displays various service icons like 'Create a resource', 'Virtual machines', 'Resource groups', 'Quickstart Center', 'App Services', 'Storage accounts', 'SQL databases', 'Azure Cosmos DB', 'Kubernetes services', and 'More services'. The 'Resources' section is active, showing a table of recent resources. The table has columns for 'Name', 'Type', and 'Last Viewed'. Two resources are listed: 'cloud3' (Virtual machine) viewed 10 minutes ago, and 'azure1' (Resource group) viewed 14 minutes ago. A 'See all' link is present below the table. The 'Navigate' section is visible at the bottom left.

Name	Type	Last Viewed
cloud3	Virtual machine	10 minutes ago
azure1	Resource group	14 minutes ago

STEP 2: GIVE DETAILS FOR RESOURCE GROUP

Microsoft Azure

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

2

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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 * ⓘ

Resource details

Region * ⓘ (US) East US

Review + create

< Previous

Next : Tags >

STEP 3: ENTER NAME AND VALUE FOR RESOURCE GROUP

Microsoft Azure

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

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Create a resource group

Basics

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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
	:	Resource group

Review + create

< Previous

Next : Review + create >

STEP 4:CLICK ON REVIEW+CREATE AND ALL THE DATA IS DISPLAYED

The screenshot shows the 'Create a resource group' page in the Microsoft Azure portal. The 'Review + create' tab is selected, displaying a summary of the configuration. A green message at the top indicates 'Validation passed.' The configuration details are as follows:

Section	Field	Value
Basics	Subscription	Azure for Students
	Resource group	azure2
	Region	East US
Tags	cloud1	1
	cloud2	2

At the bottom, there are buttons for 'Create', '< Previous', 'Next >', and a link to 'Download a template for automation'.

STEP 5:CLICK ON CREATE AND RESOURCE GROUP IS CREATED

The screenshot shows the 'Resource groups' page in the Microsoft Azure portal. A notification at the top right states: 'Resource group created. Creating resource group 'azure2' in subscription 'Azure for Students' succeeded.' Below the notification, there are buttons for 'Go to resource group' and 'Pin to dashboard'. The main content area displays a list of resource groups with the following filters: 'Subscription equals all' and 'Location equals all'. The list shows 3 records:

Name	Subscription	Location
azure1	Azure for Students	South India
azure2	Azure for Students	East US
NetworkWatcherRG	Azure for Students	Central India

At the bottom, there are navigation buttons: '< Previous', 'Page 1 of 1', and 'Next >'. A 'Give feedback' link is also present.

STEP 6:RESOURCE GROUP IS CREATED

