

CSA1518-CLOUD COMPUTING AND BIG DATA ANALYTICS

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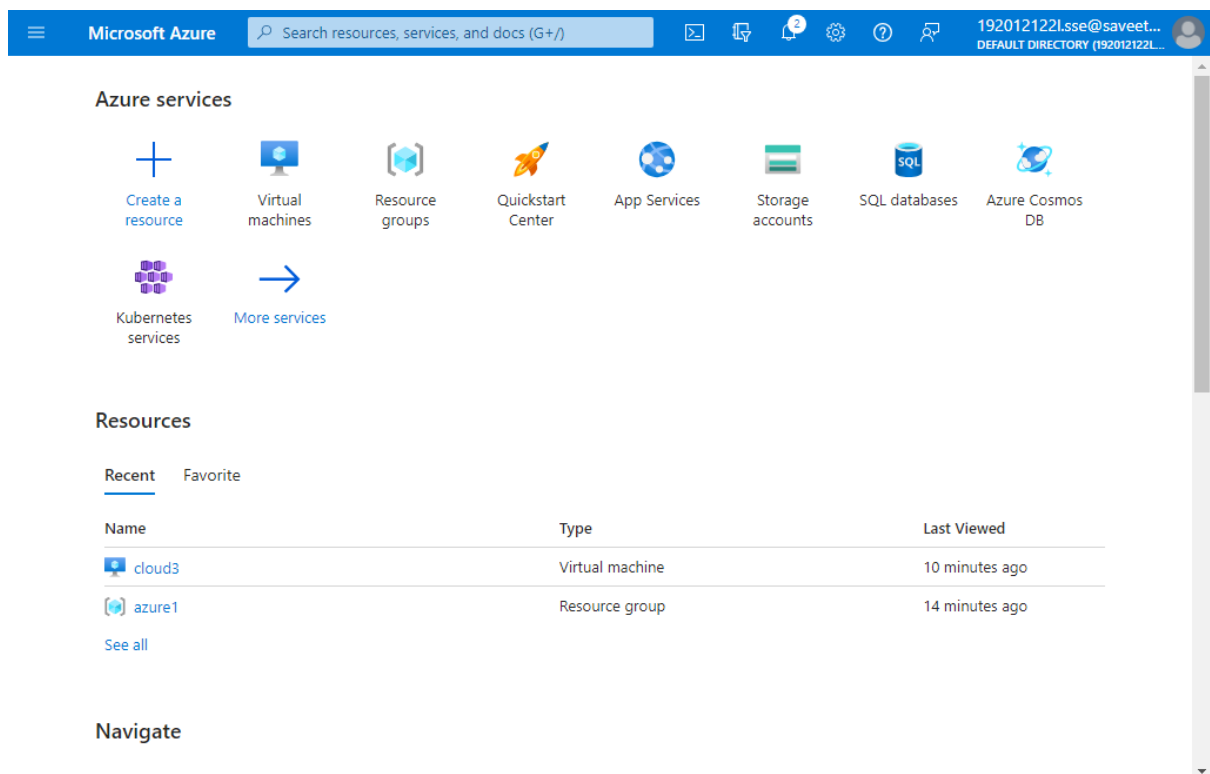
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EXPERIMENT 12:

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 displays the Microsoft Azure portal interface. At the top, there is a navigation bar with the Microsoft Azure logo, a search bar, and user information for '192012122L.sse@saveet...'. Below the navigation bar, the 'Azure services' section is visible, featuring a grid of service tiles including 'Create a resource', 'Virtual machines', 'Resource groups', 'Quickstart Center', 'App Services', 'Storage accounts', 'SQL databases', 'Azure Cosmos DB', 'Kubernetes services', and 'More services'. Below this, the 'Resources' section is shown, with tabs for 'Recent' and 'Favorite'. The 'Recent' tab is active, displaying a table of resources:

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

Below the table, there is a 'See all' link. At the bottom left, the 'Navigate' section is partially visible.

STEP 2: GIVE DETAILS FOR RESOURCE GROUP

Microsoft Azure

Search resources, services, and docs (G+)

192012122L.sse@saveet...
DEFAULT DIRECTORY (192012122L...

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 *

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+)

192012122L.sse@saveet...
DEFAULT DIRECTORY (192012122L...

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
	:	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 top navigation bar includes the Microsoft Azure logo, a search bar, and user information for '1920121221.sse@saveet...'. The breadcrumb trail is 'Home > Resource groups >'. The page title is 'Create a resource group' with a close button. A green notification bar states 'Validation passed.' with a checkmark icon. Below this, there are two tabs: 'Basics' and 'Tags', with 'Review + create' being the active tab. The 'Basics' section displays the following configuration: Subscription: Azure for Students, Resource group: azure2, and Region: East US. The 'Tags' section shows two tags: 'cloud1' with value '1' and 'cloud2' with value '2'. At the bottom, there are three buttons: 'Create', '< Previous', and 'Next >'. A link 'Download a template for automation' is also present.

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

[Download a template for automation](#)

STEP 5:CLICK ON CREATE AND RESOURCE GROUP IS CREATED

Microsoft Azure

Search resources, services, and docs (G+)

192012122L.sse@saveet...
DEFAULT DIRECTORY (192012122L...

Home >

Resource groups

Default Directory (192012122L.sse@saveet...)

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 3 of 3 records.

No grouping

List view

<input type="checkbox"/> Name ↑↓	Subscription ↑↓	Location ↑↓	
<input type="checkbox"/> azure1	Azure for Students	South India	...
<input type="checkbox"/> azure2	Azure for Students	East US	...
<input type="checkbox"/> NetworkWatcherRG	Azure for Students	Central India	...

< Previous

Page 1 of 1

Next >

Give feedback

STEP 6:RESOURCE GROUP IS CREATED

Microsoft Azure

Search resources, services, and docs (G+)

192012122L.sse@saveet...
DEFAULT DIRECTORY (192012122L...

Home > Resource groups >

azure2

Resource group

Search

Create

Manage view

Delete resource group

Refresh

Export to CSV

Overview

Activity log

Access control (IAM)

Tags

Resource visualizer

Events

Settings

Deployments

Security

Stacks

Policies

Properties

Locks

Cost Management

Cost analysis

Essentials

JSON View

Resources

Recommendations

Filter for any field...

Type equals all

Location equals all

Add filter

Showing 0 to 0 of 0 records.

☐ Show hidden types

List view

No grouping

Name ↑↓	Type ↑↓	Location ↑↓
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No resources match your filters

Try changing or clearing your filters.

Create resources

Clear filters

Learn more

Give feedback

