

CSA1523- CLOUD COMPUTING AND BIG DATA ANALYTICS FOR HEALTHCARE INDUSTRIES

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25.STORAGE AS A SERVICE (SAAS) BY CREATING AND CONFIGURING A NEW VM IMAGE

STEP – 1:

Create a storage account.

The screenshot shows the 'Create a storage account' wizard in the Microsoft Azure portal. The page title is 'Create a storage account - Microsoft Azure'. The breadcrumb navigation shows 'All services > Storage accounts > Create a storage account'. The 'Project details' section is active, with instructions: 'Select the subscription in which to create the new storage account. Choose a new or existing resource group to organize and manage your storage account together with other resources.' The form fields are: 'Subscription' (Azure for Students), 'Resource group' (jgy), 'Storage account name' (jgy2702), 'Region' (Asia Pacific South India), 'Performance' (Standard: Recommended for most scenarios (general-purpose v2 account)), and 'Redundancy' (Geo-redundant storage (GRS)). A checkbox 'Make read access to data available in the event of regional unavailability.' is checked. At the bottom, there are 'Previous', 'Next', and 'Review + create' buttons, along with a 'Give feedback' link.

STEP – 2:

Fill upon the basics form.

The screenshot shows the 'Create a storage account' wizard in the Microsoft Azure portal, specifically the 'Basics' tab. The page title is 'Create a storage account - Microsoft Azure'. The breadcrumb navigation shows 'All services > Storage accounts > Create a storage account'. The 'Basics' tab is selected, with other tabs being 'Advanced', 'Networking', 'Data protection', 'Encryption', 'Tags', and 'Review + create'. A descriptive paragraph about Azure Storage is provided. The 'Project details' section is active, with instructions: 'Select the subscription in which to create the new storage account. Choose a new or existing resource group to organize and manage your storage account together with other resources.' The form fields are: 'Subscription' (Azure for Students), 'Resource group' (jgy), 'Storage account name' (jgy2702), and 'Region' (Asia Pacific South India). At the bottom, there are 'Previous', 'Next', and 'Review + create' buttons, along with a 'Give feedback' link.

STEP – 3:

Fill upon the advanced form.

The screenshot shows the 'Create a storage account' page in the Microsoft Azure portal, specifically the 'Security' tab. The page is titled 'Create a storage account' and has tabs for 'Basics', 'Advanced', 'Networking', 'Data protection', 'Encryption', 'Tags', and 'Review + create'. The 'Security' tab is active, showing options to configure security settings. Under 'Security', there are checkboxes for 'Require secure transfer for REST API operations' (checked), 'Allow enabling anonymous access on individual containers' (unchecked), and 'Enable storage account key access' (checked). There is also a section for 'Default to Microsoft Entra authorization in the Azure portal' (unchecked). Below this, there are dropdown menus for 'Minimum TLS version' (set to 'Version 1.2') and 'Permitted scope for copy operations (preview)' (set to 'From any storage account'). A 'Hierarchical Namespace' section is also visible, describing its benefits for big data analytics. At the bottom, there are 'Previous', 'Next', and 'Review + create' buttons.

STEP – 4:

Fill upon the networking form.

The screenshot shows the 'Create a storage account' page in the Microsoft Azure portal, specifically the 'Networking' tab. The page is titled 'Create a storage account' and has tabs for 'Basics', 'Advanced', 'Networking', 'Data protection', 'Encryption', 'Tags', and 'Review + create'. The 'Networking' tab is active, showing options to configure network settings. Under 'Network connectivity', there is a description of how to connect to the storage account. Below this, there are radio buttons for 'Network access': 'Enable public access from all networks' (selected), 'Enable public access from selected virtual networks and IP addresses', 'Disable public access and use private access', and 'Enabling public access from all networks might make this resource available publicly'. Under 'Network routing', there is a description of how to route traffic. Below this, there is a radio button for 'Routing preference': 'Microsoft network routing' (selected). At the bottom, there are 'Previous', 'Next', and 'Review + create' buttons.

STEP – 5:

Fill upon the data protection.

The screenshot shows the 'Create a storage account' page in the Microsoft Azure portal, specifically the 'Data protection' tab. The page is titled 'Create a storage account' and has tabs for 'Basics', 'Advanced', 'Networking', 'Data protection', 'Encryption', 'Tags', and 'Review + create'. The 'Data protection' tab is active, showing options to configure data protection settings. Under 'Recovery', there is a description of how to protect data. Below this, there are checkboxes for 'Enable point-in-time restore for containers' (unchecked), 'Enable soft delete for blobs' (checked), 'Enable soft delete for containers' (checked), and 'Enable soft delete for file shares' (checked). Each checked checkbox has a 'Days to retain deleted' input field, all set to '7'. At the bottom, there are 'Previous', 'Next', and 'Review + create' buttons.

STEP – 6:

Fill upon the encryption form.

The screenshot shows the 'Create a storage account' wizard in the Microsoft Azure portal, specifically the 'Encryption' tab. The page has a blue header with the Microsoft Azure logo and a search bar. Below the header, the breadcrumb 'All services > Storage accounts >' is visible. The main heading is 'Create a storage account'. The 'Encryption' tab is selected, showing options for 'Encryption type' (Microsoft-managed keys (MMK) is selected), 'Enable support for customer-managed keys' (Blobs and files only is selected), and 'Enable infrastructure encryption' (unchecked). At the bottom, there are 'Previous', 'Next', and 'Review + create' buttons. The Windows taskbar at the bottom shows the date as 26-09-2024.

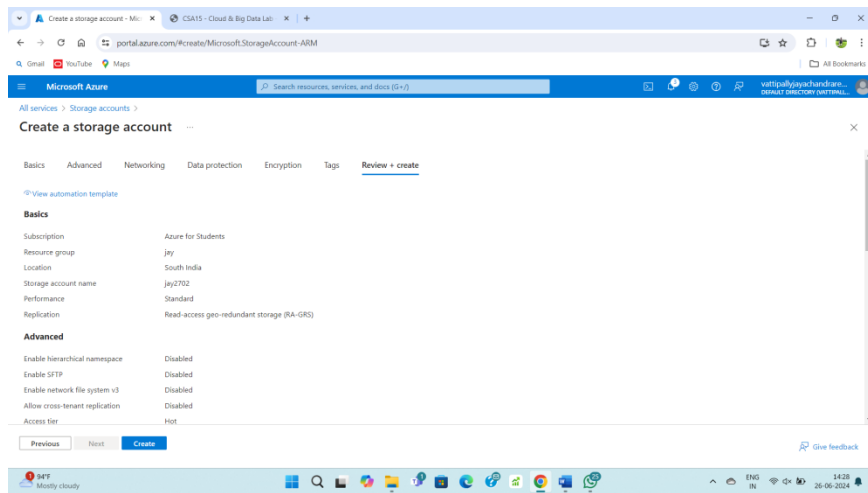
STEP – 7:

Fill upon tags form.

The screenshot shows the 'Create a storage account' wizard in the Microsoft Azure portal, specifically the 'Tags' tab. The page has a blue header with the Microsoft Azure logo and a search bar. Below the header, the breadcrumb 'All services > Storage accounts >' is visible. The main heading is 'Create a storage account'. The 'Tags' tab is selected, showing a table with columns 'Name', 'Value', and 'Resource'. The 'Resource' column has a dropdown menu with 'All resources selected' selected. At the bottom, there are 'Previous', 'Next', and 'Review + create' buttons. The Windows taskbar at the bottom shows the date as 26-09-2024.

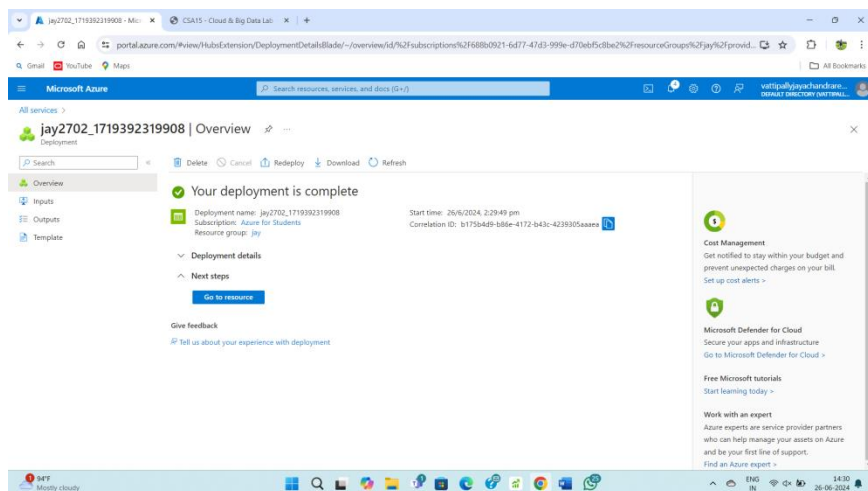
STEP – 8:

Review and create the storage account.



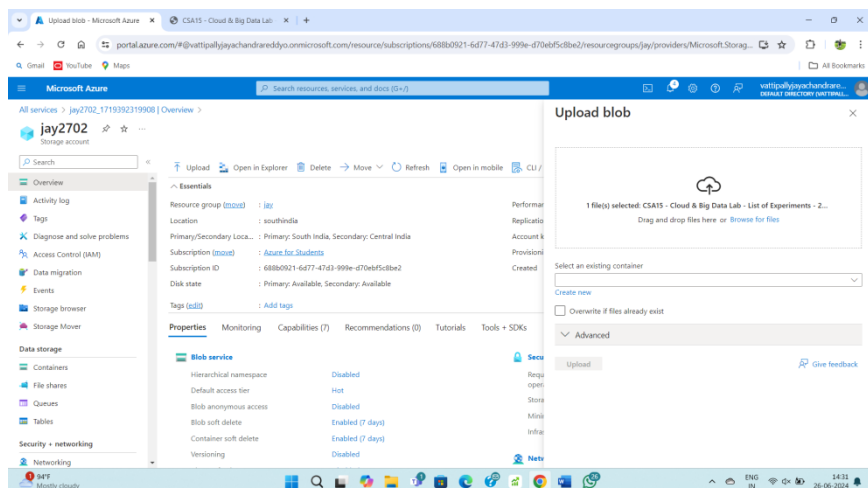
STEP – 9:

After deployment your resource is ready.



STEP – 10:

Upload a file into the storage account.



STEP – 11:

Your file is ready to use via cloud.

