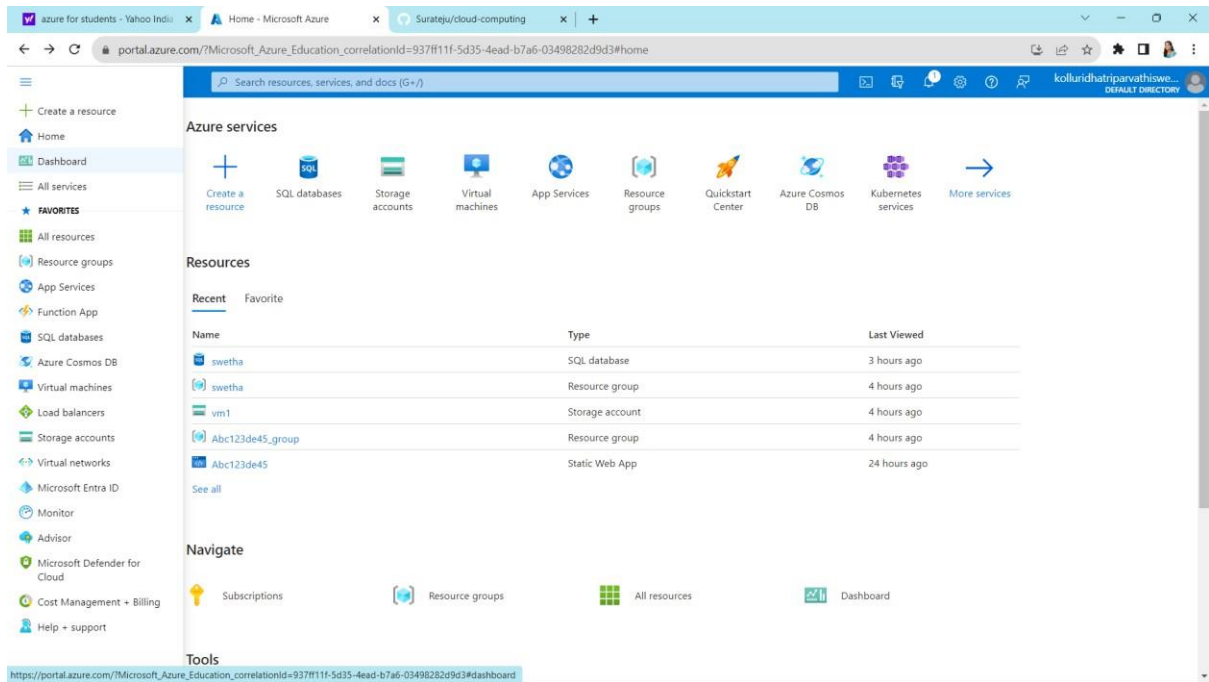


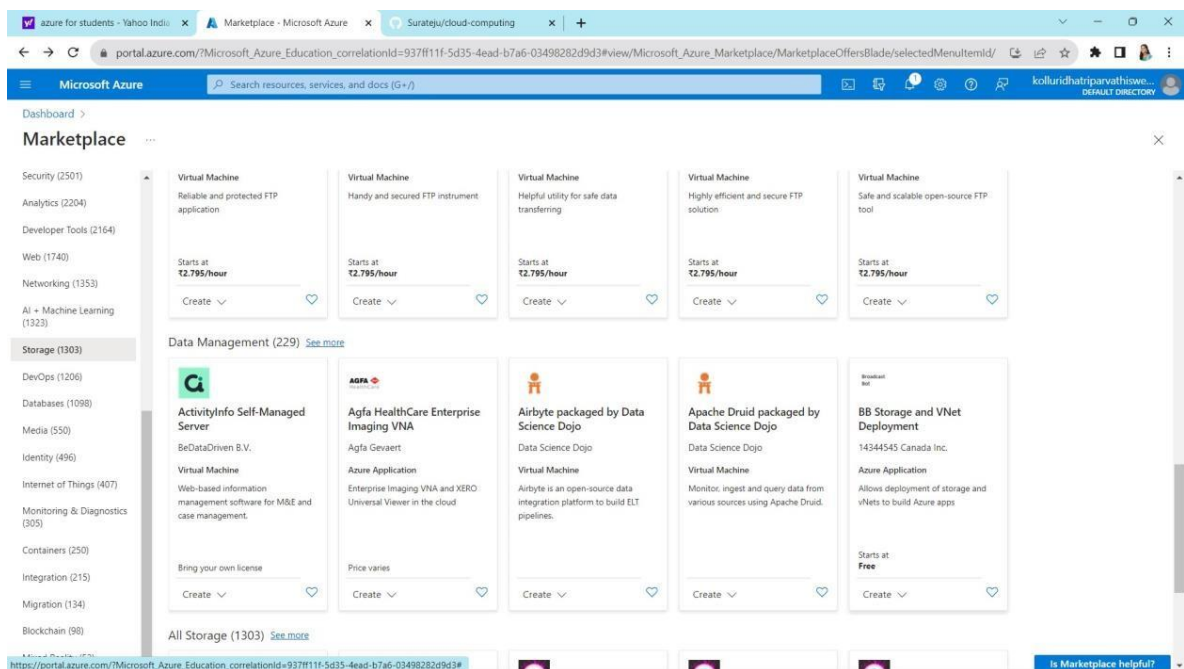
EXPERIMENT 17

Create a Storage service using any Public Cloud Service Provider (Azure/GCP/AWS) and check the public accessibility of the stored file to demonstrate Storage as a Service

Click on three lines which is on left side top and select dashboard



From categories select storage select any one application



Click on create

The screenshot shows the Microsoft Azure Marketplace page for the 'BB Storage and VNet Deployment' application. The page is titled 'BB Storage and VNet Deployment' and is published by '14344545 Canada Inc. | Azure Application'. A 'Create' button is visible next to the 'Web App Deployment' plan. Below the header, there are tabs for 'Overview', 'Plans + Pricing', 'Usage Information + Support', and 'Ratings + Reviews'. The 'Overview' tab is selected, showing a description of the application and a list of features. The features are categorized into '1. Azure Storage Services' and '1. Azure Virtual Networks'. The 'Azure Storage Services' section lists five services: Azure Blob Storage, Azure Table Storage, Azure Queue Storage, Azure File Storage, and Azure Disk Storage. The 'Azure Virtual Networks' section lists one service: Azure Virtual Networks (VNet).

Microsoft Azure offers a robust and flexible cloud platform that enables developers to build, deploy, and manage applications at scale. One of the key features of Azure is its support for storage and virtual networks, which are essential components when building modern applications. This solution will provide an overview of how Azure enables the deployment of storage and virtual networks, and how these resources can be utilized to build and deploy Azure applications effectively.

1. Azure Storage Services: Azure provides a suite of storage services that cater to different application requirements. These services include:

- a. Azure Blob Storage: Designed for unstructured data, such as images, documents, and videos. It provides cost-effective, durable, and highly available storage.
- b. Azure Table Storage: A NoSQL service for storing structured, non-relational data. Ideal for applications that require fast access to large volumes of data without complex relationships.
- c. Azure Queue Storage: A messaging service for storing and processing messages between application components, enabling asynchronous communication.
- d. Azure File Storage: A fully managed file share service that supports the SMB protocol, allowing integration with existing file systems and applications.
- e. Azure Disk Storage: Provides durable, high-performance block storage for virtual machines, suitable for workloads that require low-latency access to data.

1. Azure Virtual Networks: Azure Virtual Networks (VNet) allow developers to create and manage isolated, secure, and scalable network environments for their

Fill the required details and click on review and create

The screenshot shows the 'Create BB Storage and VNet Deployment' form in the Microsoft Azure Marketplace. The form is divided into several sections: 'Project details', 'Instance details', and 'Managed Application Details'. The 'Project details' section includes fields for 'Subscription' (set to 'Azure for Students') and 'Resource group' (set to 'Abc123de45_group'). The 'Instance details' section includes fields for 'Region' (set to 'Central US') and 'Name' (set to 'swetha2004'). The 'Managed Application Details' section includes fields for 'Application Name' (set to 'storage') and 'Managed Resource Group' (set to 'mrg-azuremanagedapp1-20231019125422'). At the bottom of the form, there are three buttons: 'Previous', 'Next', and 'Review + create'.

Subscription *

Resource group *

Instance details

Region *

Name *

Managed Application Details

Provide a name for your managed application, and its managed resource group. Your application's managed resource group holds all the resources that are required by the managed application which the consumer has limited access to.

Application Name *

Managed Resource Group *

Click on create

The screenshot shows the Microsoft Azure portal interface for creating a deployment. The browser tabs include 'azure for students - Yahoo India', 'Create BB Storage and VNet Deployment', and 'Surateju/cloud-computing'. The URL is 'portal.azure.com/?Microsoft_Azure_Education_correlationId=937f11f-5d35-4ead-b7a6-03498282d9d3#create/14344545canadainc1672360479498.azuremanagedapp1plan01'. The page title is 'Create BB Storage and VNet Deployment'. The form includes fields for Name (SWETHA KOLLURI), Preferred e-mail address (kolluridhatiparvathiswetha0372.sse@saveetha.com), and Preferred phone number (08019834345). A 'Co-Admin Access Permission' section contains a checkbox for 'I agree to the terms and conditions above.' and a paragraph explaining the permission. A 'Basics' section lists details: Subscription (Azure for Students), Resource group (Abc123de45_group), Region (Central US), Name (swetha2004), Application Name (storage), and Managed Resource Group Name (mrg-azuremanagedapp1-20231019125422). At the bottom are 'Previous', 'Next', and 'Create' buttons.

Microsoft Azure

Dashboard > Marketplace > BB Storage and VNet Deployment >

Create BB Storage and VNet Deployment

Name: SWETHA KOLLURI

Preferred e-mail address: kolluridhatiparvathiswetha0372.sse@saveetha.com

Preferred phone number: 08019834345

Co-Admin Access Permission

By checking the box and clicking "Create" I give permission for the template provider referenced above (the "Provider") to have Administrative-level access to one or more Azure resources in order to provide support and management services for the template. In the event of an issue arising from a Provider's services or failure to provide services, your sole recourse is with the Provider. Unless Microsoft is the Provider, Microsoft (i) does not approve, monitor or manage the Provider's access, and (ii) bears no responsibility whatsoever for acts or omissions of a Provider.

☒ I agree to the terms and conditions above.*

Basics

Subscription	Azure for Students
Resource group	Abc123de45_group
Region	Central US
Name	swetha2004
Application Name	storage
Managed Resource Group Name	mrg-azuremanagedapp1-20231019125422

Previous Next Create

Your deployment is completed

The screenshot shows the Microsoft Azure portal interface for the 'Overview' page of a completed deployment. The browser tabs include 'azure for students - Yahoo India', '14344545canadainc1672360479498.azuremanagedapp1-20231019125422', and 'Surateju/cloud-computing'. The URL is 'portal.azure.com/?Microsoft_Azure_Education_correlationId=937f11f-5d35-4ead-b7a6-03498282d9d3#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F14344545canadainc1672360479498.azuremanagedapp1-20231019125422'. The page title is '14344545canadainc1672360479498.azuremanagedapp1-20231019125422 | Overview'. The 'Overview' tab is selected, showing a green checkmark and the text 'Your deployment is complete'. Below this, deployment details are listed: Deployment name (14344545canadainc1672360479498.azuremanagedapp1-20231019125422), Subscription (Azure for Students), Resource group (swetha), Start time (10/19/2023, 12:57:28 PM), and Correlation ID (10f9c86b-d348-4e77-af99-ac7d4644aa). A 'Go to resource' button is present. A 'Give feedback' section with a 'Tell us about your experience with deployment' link is also shown. On the right, a sidebar contains links for 'Cost management', 'Microsoft Defender for Cloud', 'Free Microsoft tutorials', and 'Work with an expert'.

Microsoft Azure

Dashboard >

14344545canadainc1672360479498.azuremanagedapp1-20231019125422 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Your deployment is complete

Deployment name: 14344545canadainc1672360479498.azuremanagedapp1-20231019125422 Start time: 10/19/2023, 12:57:28 PM

Subscription: Azure for Students Correlation ID: 10f9c86b-d348-4e77-af99-ac7d4644aa

Resource group: swetha

Deployment details

Next steps

Go to resource

Give feedback

Tell us about your experience with deployment

Cost management

Get notified to stay within your budget and prevent unexpected charges on your bill.

Set up cost alerts >

Microsoft Defender for Cloud

Secure your apps and infrastructure

Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

Start learning today >

Work with an expert

Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.

Find an Azure expert >

Finally Created a Storage service using any Public Cloud Service Provider

The screenshot displays the Microsoft Azure portal interface. At the top, the browser address bar shows the URL: portal.azure.com/?Microsoft_Azure_Education_correlationId=937f11f-5d35-4ead-b7a6-03498282d9d3#@kollunidhatiparvathiswetha.onmicrosoft.com/resource/subscriptions/5d0b2d9d-6218-4eba-a8bc-08aba99c9622. The page title is 'STORAGE - Microsoft Azure'. The main content area shows the 'STORAGE' managed application overview. On the left, there is a navigation pane with sections: Overview, Activity log, Access control (IAM), Tags, Settings (Parameters and Outputs, Authorizations, Identity, Properties, Locks), Monitoring (Alerts), Automation (Tasks (preview), Export template), and Help (Support + Troubleshooting). The main content area is divided into two columns. The left column, titled 'Essentials', lists the following details: Resource group: [swetha](#), Location: South India, Subscription: [Azure for Students](#), and Subscription ID: 5d0b2d9d-6218-4eba-a8bc-08aba99c9622. The right column, titled 'Support', lists: Managed resource group: [mrg-azuremanagedapp1-20231019125642](#), Support name: Surya Challapally, Support email: surya@broadcastbot.co, Support phone: 5198386649, and Support link: <https://broadcastbot.co>. Below these columns, there is a large heading 'Managed Applications for ML' and a sub-heading 'Broadcast Bot'. A note states: 'This managed application is to help with ML use cases.'