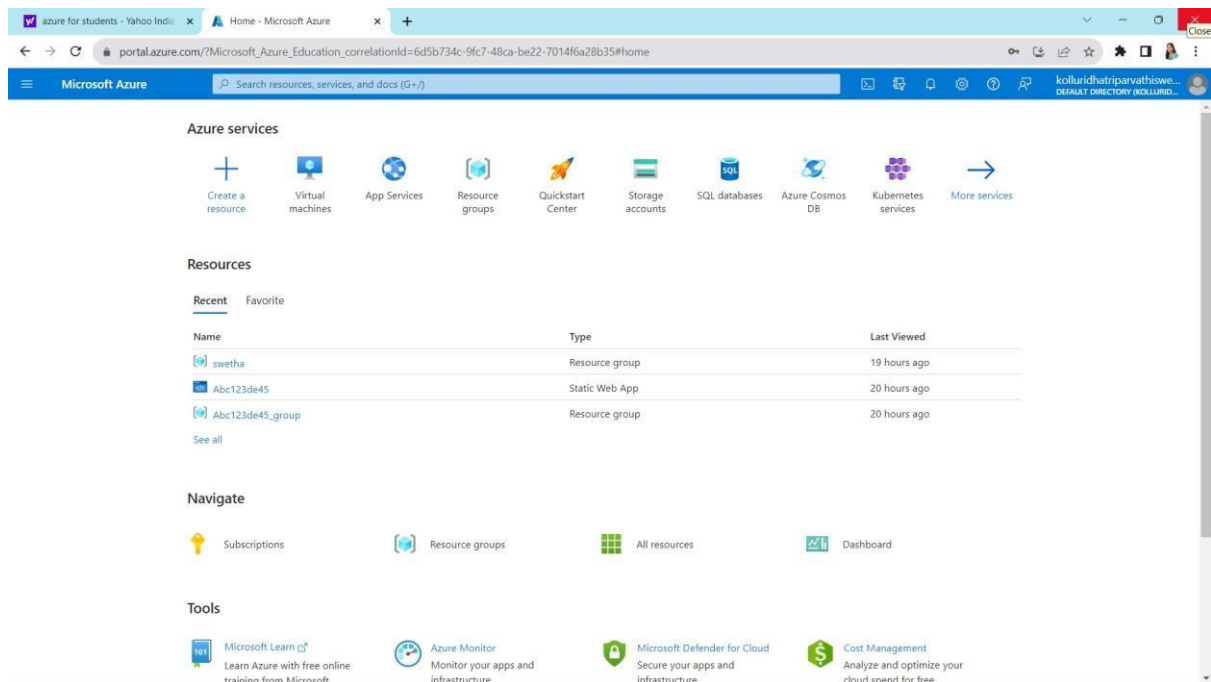


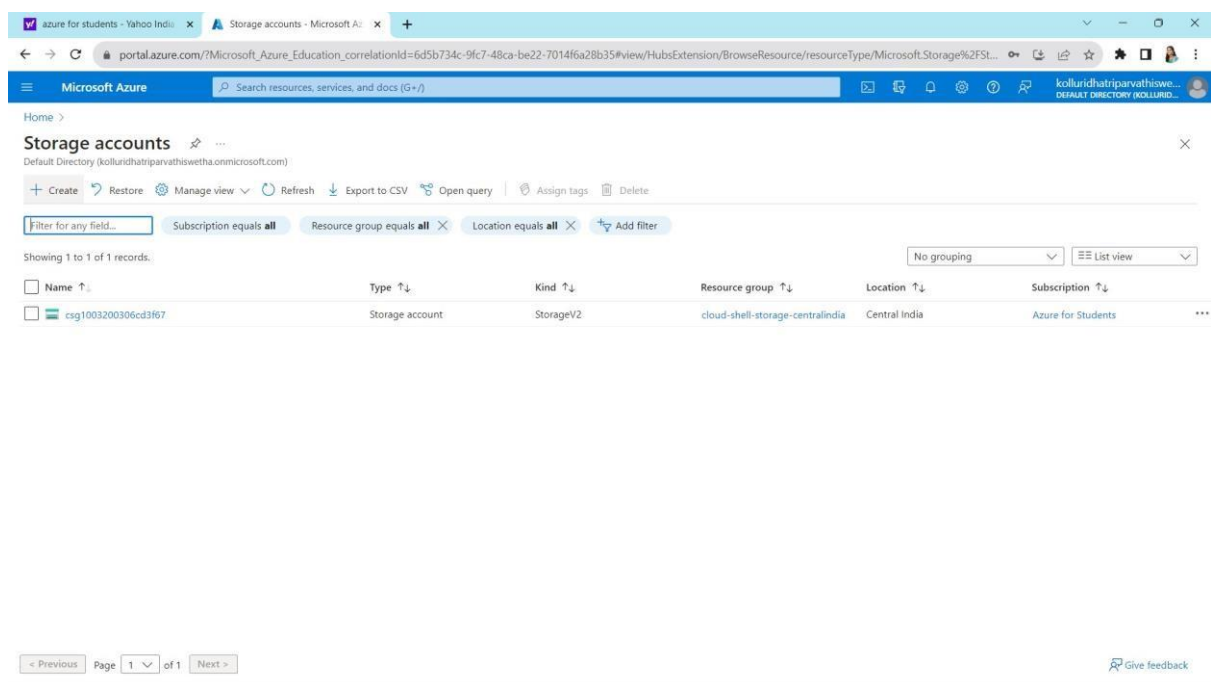
EXPERIMENT 16

Demonstrate Storage as a Service (SaaS) create and configure a new VM Image in any Public Cloud Service Provider

Click on storage accounts



Click on create



Fill up the required details

The screenshot shows the 'Create a storage account' wizard in the Microsoft Azure portal. The 'Basics' tab is selected. The form includes the following fields:

- Subscription ***: Azure for Students
- Resource group ***: Abc123de45_group (with a 'Create new' link below it)
- Instance details**
 - Storage account name ***: vm1
 - Region ***: (Asia Pacific) South India (with a 'Deploy to an edge zone' link below it)
 - Performance ***: ☒ Standard: Recommended for most scenarios (general-purpose v2 account). ☐ Premium: Recommended for scenarios that require low latency.
 - Redundancy ***: Geo-redundant storage (GRS) (with a checked checkbox for 'Make read access to data available in the event of regional unavailability.')

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

Click on next

The screenshot shows the 'Create a storage account' wizard in the Microsoft Azure portal, now on the 'Advanced' tab. A message at the top states: 'Certain options have been disabled by default due to the combination of storage account performance, redundancy, and region.' The 'Security' section contains the following settings:

- Require secure transfer for REST API operations ***: ☒
- Allow enabling anonymous access on individual containers ***: ☐
- Enable storage account key access ***: ☒
- Default to Azure Active Directory authorization in the Azure portal ***: ☐
- Minimum TLS version ***: Version 1.2
- Permitted scope for copy operations (preview) ***: From any storage account

At the bottom, the navigation buttons are: 'Review', '< Previous', and 'Next : Networking >'. A 'Give feedback' link is also present.

Home > Storage accounts >

Create a storage account

Basics Advanced **Networking** Data protection Encryption Tags Review

You can connect to your storage account either publicly, via public IP addresses or service endpoints, or privately, using a private endpoint.

Network access *

☒ Enable public access from all networks

☐ Enable public access from selected virtual networks and IP addresses

☐ Disable public access and use private access

i Enabling public access from all networks might make this resource available publicly. Unless public access is required, we recommend using a more restricted access type. [Learn more](#)

Network routing

Determine how to route your traffic as it travels from the source to its Azure endpoint. Microsoft network routing is recommended for most customers.

Routing preference ⓘ *

☒ Microsoft network routing

☐ Internet routing

[Review](#) [< Previous](#) [Next : Data protection >](#) [Give feedback](#)

Click on next

Home > Storage accounts >

Create a storage account

Basics Advanced Networking **Data protection** Encryption Tags Review

Recovery

Protect your data from accidental or erroneous deletion or modification.

☐ Enable point-in-time restore for containers
Use point-in-time restore to restore one or more containers to an earlier state. If point-in-time restore is enabled, then versioning, change feed, and blob soft delete must also be enabled. [Learn more](#)

☒ Enable soft delete for blobs
Soft delete enables you to recover blobs that were previously marked for deletion, including blobs that were overwritten. [Learn more](#)

Days to retain deleted blobs ⓘ

☒ Enable soft delete for containers
Soft delete enables you to recover containers that were previously marked for deletion. [Learn more](#)

Days to retain deleted containers ⓘ

☒ Enable soft delete for file shares
Soft delete enables you to recover file shares that were previously marked for deletion. [Learn more](#)

Days to retain deleted file shares ⓘ

[Review](#) [< Previous](#) [Next : Encryption >](#) [Give feedback](#)

on next

The screenshot shows the 'Create a storage account' page in the Microsoft Azure portal, specifically the 'Encryption' tab. The page has a navigation bar with tabs: Basics, Advanced, Networking, Data protection, Encryption (selected), Tags, and Review. The 'Encryption' section contains three settings:

- Encryption type:** Radio buttons for 'Microsoft-managed keys (MMK)' (selected) and 'Customer-managed keys (CMK)'.
- Enable support for customer-managed keys:** Radio buttons for 'Blobs and files only' (selected) and 'All service types (blobs, files, tables, and queues)'. A warning icon and text state: 'This option cannot be changed after this storage account is created.'
- Enable infrastructure encryption:** An unchecked checkbox.

At the bottom, there is a 'Review' button, navigation links '< Previous' and 'Next : Tags >', and a 'Give feedback' link.

Give some names and values

The screenshot shows the 'Create a storage account' page in the Microsoft Azure portal, specifically the 'Tags' tab. The page has a navigation bar with tabs: Basics, Advanced, Networking, Data protection, Encryption, Tags (selected), and Review. The 'Tags' section contains a description: 'Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. Learn more about tags.' and a note: 'Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.'

Below the text is a table with three columns: Name, Value, and Resource.

Name	Value	Resource
cloud	123	All resources selected
computing	456	All resources selected
		All resources selected

At the bottom, there is a 'Review' button, navigation links '< Previous' and 'Next : Review >', and a 'Give feedback' link.

azure for students - Yahoo India x Create a storage account - Micri x +

portal.azure.com/?Microsoft_Azure_Education_correlationId=6d5b734c-9fc7-48ca-be22-7014f6a28b35#create/Microsoft.StorageAccount-ARM

Microsoft Azure Search resources, services, and docs (G+)

Home > Storage accounts >

Create a storage account

Basics Advanced Networking Data protection Encryption Tags Review

Basics

Subscription	Azure for Students
Resource Group	Abc123de45_group
Location	southindia
Storage account name	vm1
Deployment model	Resource manager
Performance	Standard
Replication	Read-access geo-redundant storage (RA-GRS)

Advanced

Enable hierarchical namespace	Disabled
Enable network file system v3	Disabled
Allow cross-tenant replication	Disabled
Access tier	Hot
Enable SFTP	Disabled
Large file shares	Disabled

Create < Previous Next > Download a template for automation Give feedback

Click on go to resource

azure for students - Yahoo India x vm1_1697686475490 - Microso x +

portal.azure.com/?Microsoft_Azure_Education_correlationId=6d5b734c-9fc7-48ca-be22-7014f6a28b35#view/HubsExtension/DeploymentDetailsBlade/~/_/overview/id/%2Fsubscriptions/1697686475490/resourceGroups/Abc123de45_group/deployments/vm1_1697686475490

Microsoft Azure Search resources, services, and docs (G+)

Home >

vm1_1697686475490 | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

Overview Inputs Outputs Template

Your deployment is complete

Deployment name: vm1_1697686475490
Subscription: Azure for Students
Resource group: Abc123de45_group

Start time: 19/10/2023, 9:04:47 am
Correlation ID: 0e22fa06-6baf-4ef3-88fd-09b630fb7b4a

Deployment details

Next steps

[Go to resource](#)

Give feedback

Tell us about your experience with deployment

Deployment succeeded
Deployment 'vm1_1697686475490' to resource group 'Abc123de45_group' was successful.
[Go to resource](#) [Pin to dashboard](#)

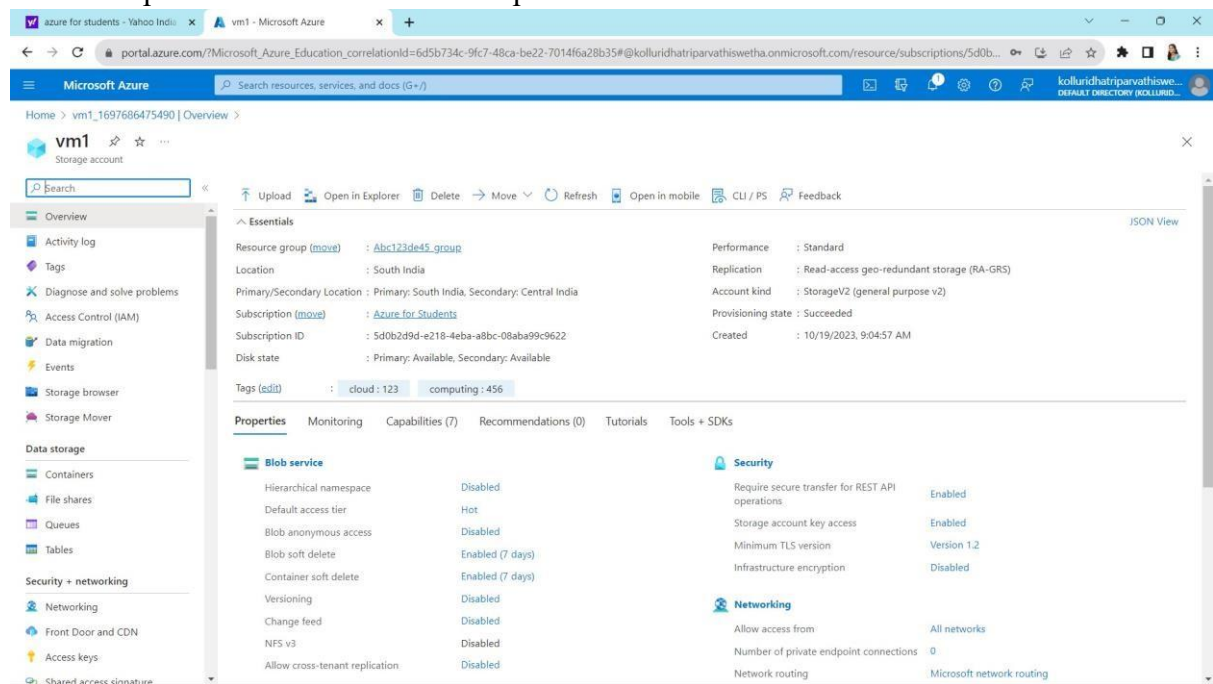
Cost Management
Get notified to stay within your budget and prevent unexpected charges on your bill.
[Set up cost alerts >](#)

Microsoft Defender for Cloud
Secure your apps and infrastructure
[Go to Microsoft Defender for Cloud >](#)

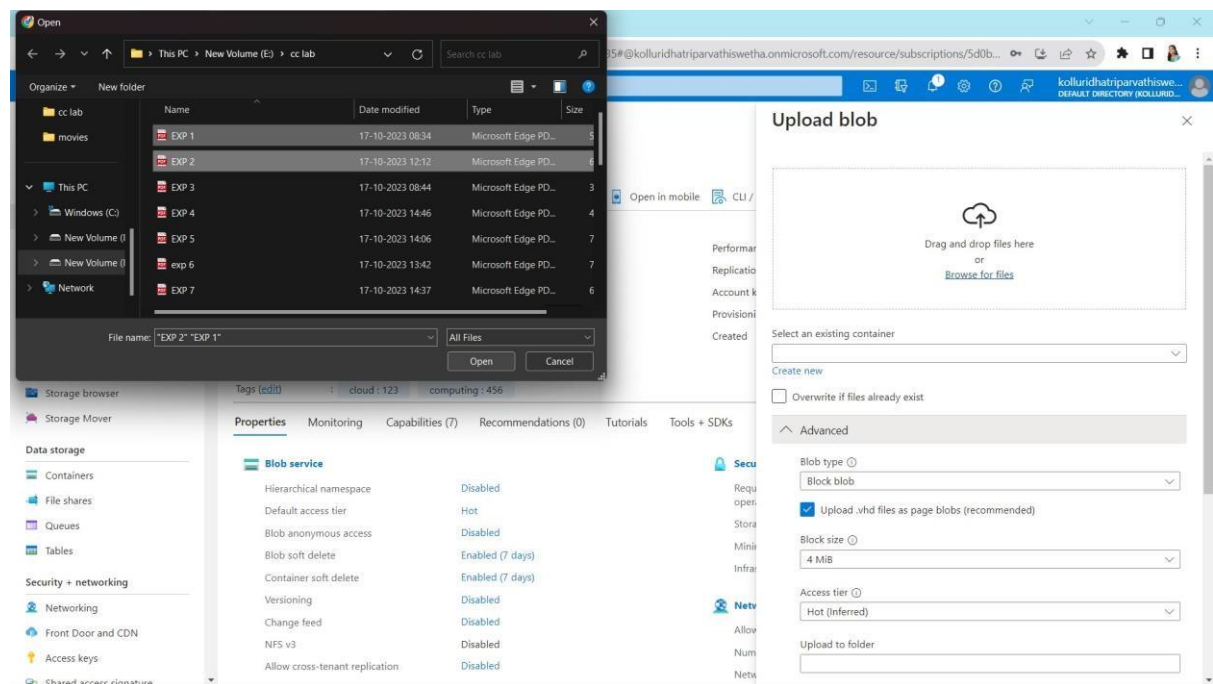
Free Microsoft tutorials
[Start learning today >](#)

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 >](#)

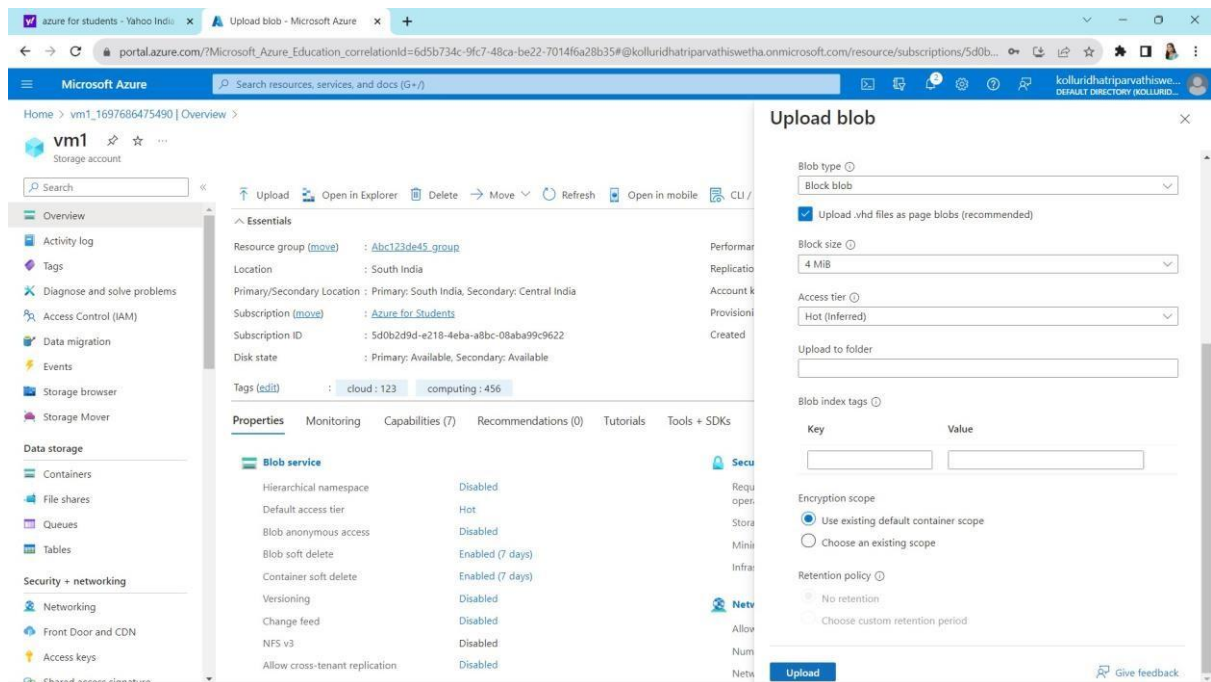
Click on upload which is on left side top



Select files from your system and upload it

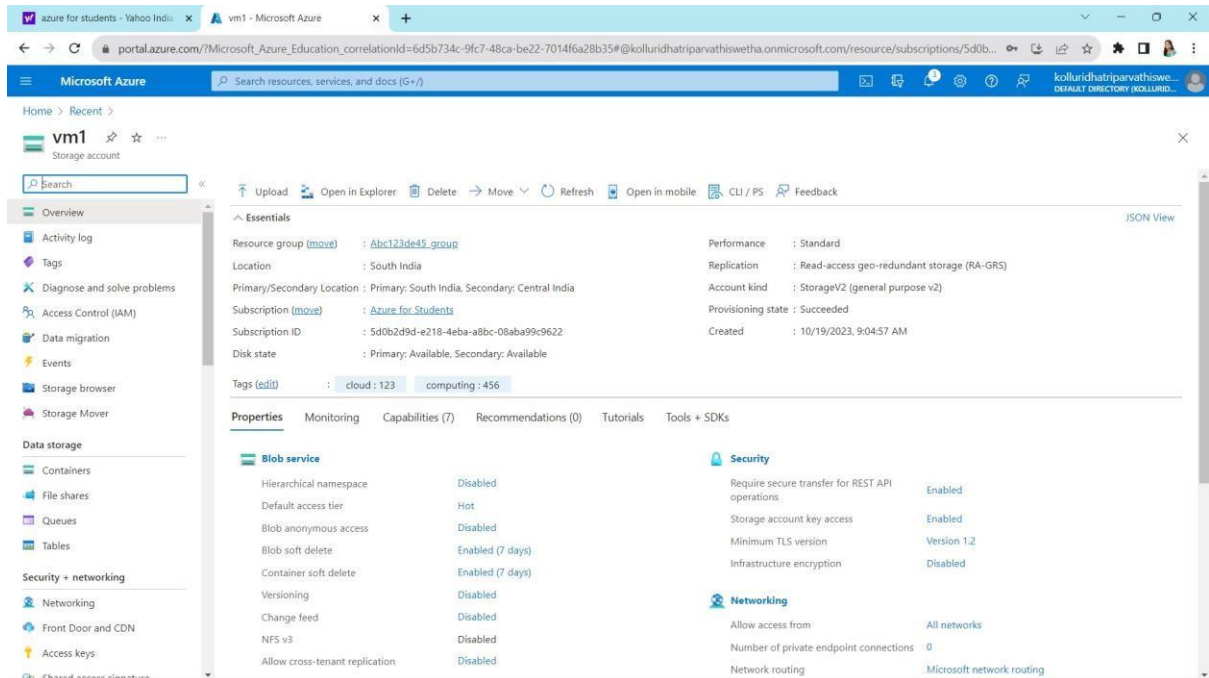


Give a name to that storage and click on upload



Go to home and choose your file and open it

Click on storage browser



NAME:-P.ARTHI

Reg no:-192224159

Select blob containers

The screenshot shows the Microsoft Azure Storage browser interface for a storage account named 'vm1'. The left sidebar contains navigation options: Overview, Activity log, Tags, Diagnose and solve problems, Access Control (IAM), Data migration, Events, Storage browser (selected), Storage Mover, Data storage, Containers, File shares, Queues, Tables, Security + networking, Networking, Front Door and CDN, and Access keys. The main area displays 'Storage account metrics' for various storage services. The 'Blob containers' section shows metrics for Number of containers, Number of blobs, and Total data stored. The 'File shares' section shows metrics for Number of file shares, Number of files, and Total data stored. The 'Tables' section shows metrics for Number of tables, Number of entities, and Total data stored. The 'Queues' section shows metrics for Number of queues, Number of messages, and Total data stored. Below the metrics, there is a 'Recently viewed' section and a link to 'Other ways to manage data'.

Select your file and open it

The screenshot shows the Microsoft Azure Storage browser interface for a storage account named 'vm1'. The left sidebar contains navigation options: Overview, Activity log, Tags, Diagnose and solve problems, Access Control (IAM), Data migration, Events, Storage browser (selected), Storage Mover, Data storage, Containers, File shares, Queues, Tables, Security + networking, Networking, Front Door and CDN, and Access keys. The main area displays 'Blob containers' with a list of containers: 'slogs' and 'storage'. The 'storage' container is selected, and its contents are displayed in a table.

Name	Last modified	Anonymous access level	Lease state
slogs	10/19/2023, 9:05:30 AM	Private	Available
storage	10/19/2023, 9:07:26 AM	Private	Available

The files which are stored before will opened here

The screenshot shows the Microsoft Azure portal interface for a storage account named 'vm1'. The left sidebar contains navigation options such as Overview, Activity log, Tags, Diagnose and solve problems, Access Control (IAM), Data migration, Events, Storage browser (selected), Storage Mover, Data storage, Containers, File shares, Queues, Tables, Security + networking, Networking, Front Door and CDN, and Access keys. The main pane shows the 'Storage browser' view for the 'vm1' storage account. It includes a search bar, a list of blob containers (storage), and a table of blobs. The table shows two blobs: 'EXP 1.pdf' and 'EXP 2.pdf', both created on 10/19/2023 at 9:07:59 AM, with sizes of 540.9 KiB and 646.59 KiB respectively. The authentication method is set to 'Access key (Switch to Azure AD User Account)'.

	Name	Last modified	Access tier	Blob type	Size	Lease state	
<input type="checkbox"/>	EXP 1.pdf	10/19/2023, 9:07:59 AM	Hot (Inferred)	Block blob	540.9 KiB	Available	...
<input type="checkbox"/>	EXP 2.pdf	10/19/2023, 9:07:59 AM	Hot (Inferred)	Block blob	646.59 KiB	Available	...

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