

Storage account static website and filesharing with multiple linux

The screenshot shows the Microsoft Azure portal interface. The left sidebar contains navigation options: Overview, Activity log, Tags, Diagnose and solve problems, Access Control (IAM), Data migration, Events, Storage browser, Storage Mover, Data storage (Containers, File shares, Queues, Tables), Security + networking (Networking, Front Door and CDN). The main content area displays the 'Overview' page for the storage account 'bbbb'. It includes a search bar, action buttons (Upload, Open in Explorer, Delete, Move, Refresh, Open in mobile, CLI / PS, Feedback), and a 'JSON View' link. The 'Essentials' section lists key properties: Resource group (rg1), Location (East US), Primary/Secondary Location (Primary: East US, Secondary: West US), Subscription (Azure for Students), Subscription ID (3a3a133d-6a9c-47e0-b14e-19e005ae1658), Disk state (Primary: Available, Secondary: Available), Performance (Standard), Replication (Read-access geo-redundant storage (RA-GRS)), Account kind (StorageV2 (general purpose v2)), Provisioning state (Succeeded), and Created (12/9/2023, 10:36:58 am). The 'Properties' section is expanded, showing 'Blob service' settings (Hierarchical namespace: Disabled, Default access tier: Hot, Blob anonymous access: Disabled, Blob soft delete: Enabled (7 days), Container soft delete: Enabled (7 days), Versioning: Disabled, Change feed: Disabled, NFS v3: Disabled) and 'Security' settings (Require secure transfer for REST API operations: Enabled, Storage account key access: Enabled, Minimum TLS version: Version 1.2, Infrastructure encryption: Disabled). The 'Networking' section shows 'Allow access from: All networks' and 'Number of private endpoint connections: 0'.

The screenshot shows the Microsoft Azure portal interface, specifically the 'Containers' page for the storage account 'bbbb'. The left sidebar is the same as the previous screenshot. The main content area displays the 'Containers' page with a search bar, action buttons (+ Container, Change access level, Restore containers, Refresh, Delete, Give feedback), and a 'Show deleted containers' toggle. A table lists the containers:

Name	Last modified	Anonymous access level	Lease state	
\$logs	9/12/2023, 10:37:23 AM	Private	Available	...
\$web	9/12/2023, 10:41:58 AM	Private	Available	...

Microsoft Azure portal interface showing the 'Overview' tab for a storage account named 'bweb'. The interface includes a search bar, navigation menu, and a table of blobs. The table has columns: Name, Modified, Access tier, Archive status, Blob type, Size, and Lease state. A single blob named 'index.html' is listed with a size of 188 B and an 'Available' lease state.

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
index.html	9/12/2023, 10:56:18 ...	Hot (Inferred)		Block blob	188 B	Available

Microsoft Azure portal interface showing the 'Static website' settings for a storage account named 'bweb'. The 'Static website' toggle is set to 'Enabled'. The 'Primary endpoint' is 'https://bweb.z13.web.core.windows.net/'. The 'Secondary endpoint' is 'https://bweb-secondary.z13.web.core.windows.net/'. The 'Index document name' is 'index.html' and the 'Error document path' is empty.

Static website

Enabled

An Azure Storage container has been created to host your static website.

Primary endpoint

https://bweb.z13.web.core.windows.net/

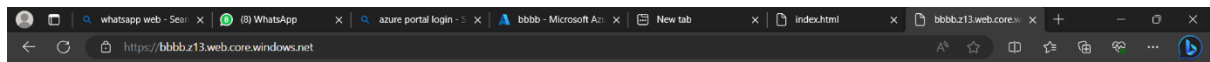
Secondary endpoint

https://bweb-secondary.z13.web.core.windows.net/

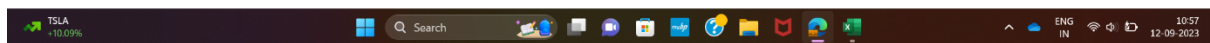
Index document name

index.html

Error document path



Name: Tkeerthi priya Roll no: 21A91A04G7 Azure devops trainer Name: y.sai blandhavi Roll no: 21A91A04I0 Azure devops trainer Name: c.preeti Roll no: 21A91A0563 Azure devops trainer



Microsoft Azure portal showing the details of a virtual machine named 'vm1'.

Overview

vm1 virtual machine

Connect Start Restart Stop Capture Delete Refresh Open in mobile Feedback CLI / PS

vm1 virtual machine agent status is not ready. Troubleshoot the issue →

Essentials

Resource group (move)	: rg1	Operating system	: Linux
Status	: Running	Size	: Standard D51 v2 (1 vcpu, 3.5 GiB memory)
Location	: East US (Zone 1)	Public IP address	: 20.62.249.87
Subscription (move)	: Azure for Students	Virtual network/subnet	: vm1-vnet/default
Subscription ID	: 3a3a133d-6a9c-47e0-b14e-19e005ae1658	DNS name	: Not configured
Availability zone	: 1	Health state	: -
Tags (edit)	: Add tags		

Properties Monitoring Capabilities (7) Recommendations Tutorials

Virtual machine

Computer name	: vm1	Networking	
Operating system	: Linux	Public IP address	: 20.62.249.87 (Network interface vm1314_x1)
Image publisher	: canonical	Public IP address (IPv6)	: -
Image offer	: 0001-com-ubuntu-server-focal	Private IP address	: 10.0.0.4
Image plan	: 20_04-lts-gen2	Private IP address (IPv6)	: -
VM generation	: V2	Virtual network/subnet	: vm1-vnet/default
		DNS name	: Configure

Networking

Public IP address: 20.62.249.87 (Network interface vm1314_x1)

Public IP address (IPv6): -

Private IP address: 10.0.0.4

Private IP address (IPv6): -

Virtual network/subnet: vm1-vnet/default

DNS name: Configure

Microsoft Azure portal showing the details of a virtual machine named **vm2**.

Overview

vm2 virtual machine agent status is not ready. Troubleshoot the issue →

Essentials

Resource group (move)	: rg1	Operating system	: Windows
Status	: Running	Size	: Standard D51 v2 (1 vcpu, 3.5 GiB memory)
Location	: East US (Zone 1)	Public IP address	: 20.62.250.2
Subscription (move)	: Azure for Students	Virtual network/subnet	: vm2-vnet/default
Subscription ID	: 3a3a133d-6a9c-47e0-b14e-19e005ae1658	DNS name	: Not configured
Availability zone	: 1	Health state	: -
Tags (edit)	: Add tags		

Properties

Virtual machine	Networking
Computer name: vm2	Public IP address: 20.62.250.2 (Network interface vm2415_x1)
Operating system: Windows	Public IP address (IPv6): -
Image publisher: MicrosoftWindowsDesktop	Private IP address: 10.0.0.4
Image offer: Windows-10	Private IP address (IPv6): -
Image plan: win10-22h2-pro-g2	Virtual network/subnet: vm2-vnet/default
VM generation: V2	DNS name: Configure

Remote Desktop Connection window showing the connection to the virtual machine **vm2** (20.62.250.2:3389).

Native RDP

Connect from your local machine (Windows)

Switch local machine OS

1. Configure prerequisites for Native RDP

Azure needs to configure some features in order to connect to the VM.

- ✓ **Prerequisites configured**
- ✓ **Port 3389 access**
Port 3389 on this virtual machine is accessible from the local machine IP (117.205.68.99). Learn about Just In Time configuration [if](#)
- ✓ **Public IP address**
A public IP address is required to connect via this connection method.

2. Open Remote Desktop Connection (on Windows)

Open Remote Desktop Connection. Or change your local machine operating system to view more instructions. [Learn more](#) [if](#)

3. Download and open the RDP file

Download and open the RDP file to connect to the virtual machine.

Username: keertthi

Download RDP file

Other Information

Close **Troubleshooting** **Give feedback**

Microsoft Azure portal interface showing the 'File shares' section for storage account 'bbbb'. The left sidebar lists navigation options like Overview, Activity log, Tags, and File shares. The main content area displays 'File share settings' for the 'keerthi' share, including Active Directory (SMB) status, permissions, and a table of file shares.

Name	Modified	Tier	Quota
keerthi	9/12/2023, 11:15:14 AM	Transaction optimized	5 TiB

Microsoft Azure portal interface showing the 'Connect' dialog for the 'keerthi' file share. The dialog provides instructions on connecting to the share using the storage account key or Active Directory identity. It includes a 'Connect' button and a 'Hide Script' button. A script is displayed for connecting to the share using the storage account key.

```
Connect-TestResult = Test-NetConnection -ComputerName bbbb.file.core.windows.net -Port 445
if ($ConnectTestResult.TcpTestSucceeded) {
    # Save the password so the drive will persist on reboot
    cmd.exe /C "cmdkey /add:" bbbb.file.core.windows.net" /user:"localhost\bbbb" /pass:"LL#Z1Pzjy2e8k0X3c3LuDKDZd5mVeXhkk1vr8Ytch8F7Rn8bLfU5hWf5Xw+5m y85qyWAmvmRr+ASeU28QQ=="
    # Mount the drive
    New-PSDrive -Name Z -PSProvider FileSystem -Root "\\bbbb.file.core.windows.net\keerthi" -Persist
} else {
    Write-Error -Message "Unable to reach the Azure storage account via TCP port 445. Check to make sure your organization or ISP is not blocking port 445, or use Azure P2S VPN, Azure S2S VPN, or Express Route to tunnel SMB traffic over a different port."
}
```

vm2 - 20.62.250.23389 - Remote Desktop Connection

File Computer View

This PC >

Quick access

- Desktop
- Downloads
- Documents
- Pictures
- Music
- Videos

OneDrive

This PC

Network

Folders (7)

- 3D Objects
- Desktop
- Pictures
- Videos

Devices and drives (3)

- Windows (C:) 107 GB free of 126 GB
- Temporary Storage (D:) 6.09 GB free of 6.99 GB

Network locations (1)

- keerthi (\\bbb.file.core.windows.net\keerthi) Space free: 5.00 TB Total size: 5.00 TB

Properties Capabilities (2) Tutorials

Size

- Maximum capacity 5 TiB
- Used capacity 0 B
- Tier Transaction optimized

Performance

- Maximum I/O/s 1000
- Ingress rate 60 MiB / s
- Egress rate 60 MiB / s

Connect

keerthi

Mounting the Azure file share with the Active Directory identity of the user is preferred.

Hide Script

```
SconnectTestResult = Test-NetConnection -ComputerName
bbb.file.core.windows.net -Port 445
if ($connectTestResult.TcpTestSucceeded) {
    # Save the password so the drive will persist on reboot
    cmd.exe /C "cmdkey /add:"bbb.file.core.windows.net" /user:"localhost\bbb"
    /pass:"LL/PZ1Przj2e8koX3c3LuDKDZdSmVxHk1vr8YTch8F7Rb8blu5wF5Xw+5m
y85qyAmvmRur+ASieU28QQ=" /u:""
    # Mount the drive
    New-PSDrive -Name Z -PSProvider FileSystem -Root
    "\\bbb.file.core.windows.net\keerthi" -Persist
} else {
    Write-Error -Message "Unable to reach the Azure storage account via port 445, which is
the port SMB uses. If port 445 is available, your Azure file share will be persistently
mounted. Your organization or internet service provider (ISP) may block port 445, however
you may use Azure Point-to-Site (P2S) VPN, Azure Site-to-Site (S2S) VPN, or ExpressRoute
to tunnel SMB traffic to your Azure file share over a different port."
}
```

This script will check to see if this storage account is accessible via TCP port 445, which is the port SMB uses. If port 445 is available, your Azure storage account will be persistently mounted. Your organization or internet service provider (ISP) may block port 445, however you may use Azure Point-to-Site (P2S) VPN, Azure Site-to-Site (S2S) VPN, or ExpressRoute to tunnel SMB traffic to your Azure file share over a different port.

21A91A04G7@aec.edu.in ADITYA EDUCATIONAL INSTITUT...

Microsoft Azure

Home > bbb | File shares >

keerthi

SMB File share

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

Connect Upload Refresh Add directory Delete share Change tier Edit qu

Overview

Diagnose and solve problems

Access Control (IAM)

Browse

Operations

Snapshots

Backup

Essentials

Storage account : bbb

Resource group (move) : rg1

Location : East US

Primary/Secondary location : Primary: East US, Secondary: West US

Subscription (move) : Azure for Students

Subscription ID : 3a3a133d-6a9c-47e0-b14e-19e005ae1658

Properties Capabilities (2) Tutorials

Size

- Maximum capacity 5 TiB
- Used capacity 0 B
- Tier Transaction optimized

Performance

- Maximum I/O/s 1000
- Ingress rate 60 MiB / s
- Egress rate 60 MiB / s

Upload files

Drag and drop files here or Browse for files

Overwrite if files already exist

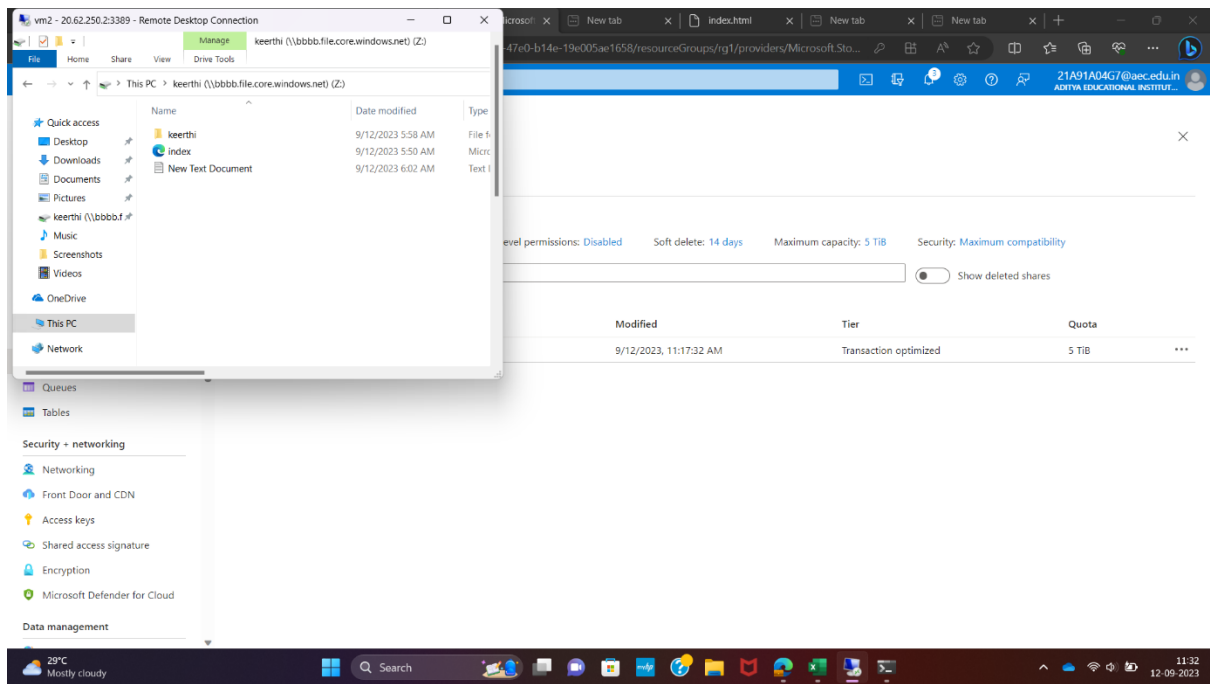
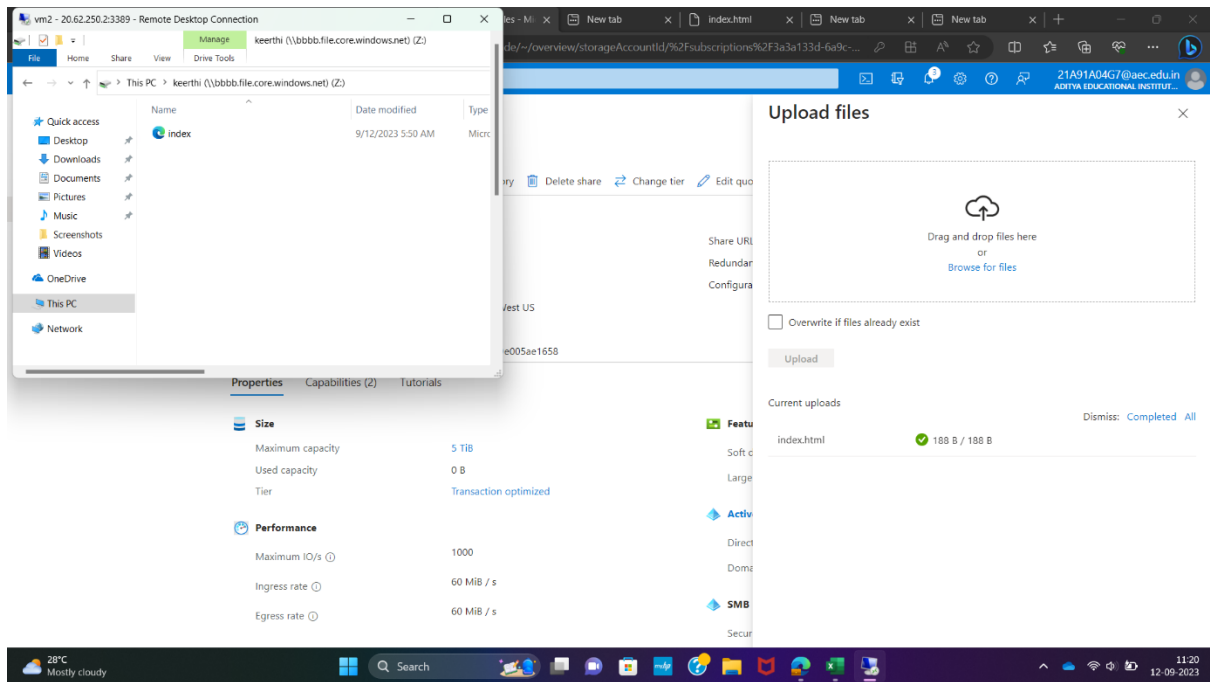
Upload

Current uploads

index.html 188 B / 188 B

Dismiss Completed All

21A91A04G7@aec.edu.in ENG IN 11:19 12-09-2023



Microsoft Azure portal showing the 'Browse' view of a file share named 'keerthi'. The interface includes a search bar, navigation tabs (Overview, Diagnose and solve problems, Access Control (IAM), Browse), and a table of files and directories. The table lists the following items:

Name	Type	Size
keerthi	Directory	...
21A91A04G7(1).pdf	File	476.28 KiB
index.html	File	188 B
New Text Document.txt	File	16 B

The bottom of the image shows a Windows taskbar with the time 11:42 and date 12-09-2023.

```
root@vmt: /mnt/keerthi
keerthi@vml:~$ if [ ! -f "/etc/smbcredentials/bbbb.cred" ]; then
> sudo bash -c 'echo "username=bbbb" >> /etc/smbcredentials/bbbb.cred'
> sudo bash -c 'echo "password=LL/PZ1Pzzjr2e8koX3c3LuDKDZdSmVeXHkk1vr8YTch8F7Rh8bLfu5lwF5Xw+5my85qywAmvmRsr+ASteU28QQ==" >> /etc/smbcredentials/bbbb.cred'
> fi
keerthi@vml:~$ sudo chmod 600 /etc/smbcredentials/bbbb.cred
ndows.net/keerthi /mnt/keerthi cifs nofail,credentials=/etc/smbcredentials/bbbb.cred,dir_mode=0777,file_mode=0777,serverino,nosharesock,actimeo=30" >> /etc/fstab'
sudo mount -t cifs //bbb.file.core.windows.net/keerthi /mnt/keerthi -o credentials=/etc/smbcredentials/bbbb.cred,dir_mode=0777,file_mode=0777,serverino,nosharesock,actimeo=30
keerthi@vml:~$ sudo bash -c 'echo "//bbb.file.core.windows.net/keerthi /mnt/keerthi cifs nofail,credentials=/etc/smbcredentials/bbbb.cred,dir_mode=0777,file_mode=0777,serverino,nosharesock,actimeo=30" >> /etc/fstab'
keerthi@vml:~$ sudo mount -t cifs //bbb.file.core.windows.net/keerthi /mnt/keerthi -o credentials=/etc/smbcredentials/bbbb.cred,dir_mode=0777,file_mode=0777,serverino,nosharesock,actimeo=30
keerthi@vml:~$ cd
keerthi@vml:~$ ls
keerthi@vml:~$ cd mnt
-bash: cd: mnt: No such file or directory
keerthi@vml:~$ ls
keerthi@vml:~$ cd mnt
-bash: cd: mnt: No such file or directory
keerthi@vml:~$ sudo su
root@vml:/home/keerthi# ls
root@vml:/home/keerthi# cd /
root@vml:/# ls
bin  dev  home  lib32  libx32  media  opt  root  sbin  srv  var
boot  etc  lib  lib64  lost+found  mnt  proc  run  snap  sys  usr
root@vml:/# cd mnt
root@vml:/mnt# ls
DATALOSS_WARNING_README.txt  lost+found
root@vml:/mnt# cd keerthi
root@vml:/mnt/keerthi# ls
'21A91A04G7(1).pdf' 'New Text Document.txt'  index.html
root@vml:/mnt/keerthi#
```

The bottom of the image shows a Windows taskbar with the time 11:53 and date 12-09-2023.

