Container Mounting & File Share

Home > Virtual networks >

Create virtual network   ...

Basics   Security   IP addresses   Tags   Review + create

Add IPv4 address space | ∨

∧ 10.0.0.0/16   🗑 Delete address space

10.0.0.0	/16 ∨

10.0.0.0 - 10.0.255.255   65,536 addresses

+ Add a subnet

Subnets	IP address range	Size	NAT gateway
subnet-1	10.0.1.0 - 10.0.1.255	/24 (256 addresses)	-

Previous   Next   Review + create   ⤢ Give feedback

Home > Virtual machines >

Create a virtual machine   ...

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * ⓘ	Azure for Students ∨
Resource group * ⓘ	RS-1 ∨
	Create new

Instance details

Virtual machine name * ⓘ	storage-vm ✓
Region * ⓘ	(US) East US 2 ∨
Availability options ⓘ	No infrastructure redundancy required ∨
Security type ⓘ	Trusted launch virtual machines ∨
	Configure security features
Image * ⓘ	🔴 Ubuntu Server 20.04 LTS - x64 Gen2 ∨
	See all images	Configure VM generation

< Previous   Next : Disks >   Review + create   ⤢ Give feedback

Home >

vnet-1-1720949461111 | Overview 📌 ⋯
Deployment

🔍 Search   X «

🔲 Overview	
🗐 Inputs	
☰ Outputs	
📄 Template	

🗑 Delete   ⊘ Cancel   ⬆ Redeploy   ⬇ Download   🔄 Refresh

✅ **Your deployment is complete**

↔ Deployment name : vnet-1-1720949461111   Start time   : 7/14/2024, 3:01:15 PM
   Subscription   : Azure for Students   Correlation ID : 961c0ce6-ffb7-41c9-86bc-7e21a7577b...
   Resource group   : RS-1

› 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 >

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Azure experts are service provider partners

Home >

CreateVm-canonical.0001-com-ubuntu-server-focal-2-20240714150206 | Overview 📌 ⋯   ✕
Deployment

🔍 Search   X «

🔲 Overview	
🗐 Inputs	
☰ Outputs	
📄 Template	

🗑 Delete   ⊘ Cancel   ⬆ Redeploy   ⬇ Download   🔄 Refresh

✅ **Your deployment is complete**

   Deployment name : CreateVm-canonical.0001-com-ubuntu-server-...   Start time: 7/14/2024, 3:04:52 PM
   Subscription   : Azure for Students   Correlation ID: 23470a86-1626-4e43-ae84-635...
   Resource group   : RS-1

⌄ Deployment details

⌃ Next steps

   Setup auto-shutdown Recommended
   Monitor VM health, performance and network dependencies Recommended
   Run a script inside the virtual machine Recommended

   [Go to resource]   [Create another VM]

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 >

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Home > Storage accounts >

Create a storage account

Basics   Advanced   Networking   Data protection   Encryption   Tags   Review + create

Azure Storage is a Microsoft-managed service providing cloud storage that is highly available, secure, durable, scalable, and redundant. Azure Storage includes Azure Blobs (objects), Azure Data Lake Storage Gen2, Azure Files, Azure Queues, and Azure Tables. The cost of your storage account depends on the usage and the options you choose below. Learn more about Azure storage accounts

Project details

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.

Subscription *   Azure for Students

   Resource group *   RS-1
                                  Create new

Instance details

Storage account name * ⓘ   temppstorage

Previous   Next   Review + create   🗩 Give feedback

Home >

☁ temppstorage_1720949785215 | Overview
Deployment

🔍 Search   X   «   🗑 Delete   ⊘ Cancel   ⬆ Redeploy   ⬇ Download   ↻ Refresh

  Overview

  Inputs

  Outputs

  Template

✅ Your deployment is complete

Deployment name: temppstorage_1720949785215   Start time: 7/14/2024, 3:06:44 PM
Subscription: Azure for Students   Correlation ID: 1e3ae93a-489d-4e77-a399-80333e375117
Resource group: RS-1

⌄ Deployment details

⌃ Next steps

Go to resource

Give feedback

🗩 Tell us about your experience with deployment

Deployment succeeded   ✕
Deployment 'temppstorage_1720949785215' to
resource group 'RS-1' 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 >

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Home > temppstorage

temppstorage | Containers
Storage account

Search

+ Container   🔒 Change access level   ↩ Restore containers ⌄   🔄 Refresh   🗑 Delete   Give

Search containers by prefix

Name	Last modified	A
☐ $logs	7/14/2024, 3:07:16 PM	P

Navigation menu:
- 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

New container

Name *

mydemocontainer   ✓

Anonymous access level ⓘ

Container (anonymous read access for containers and blobs) ⌄

⚠ All container and blob data can be read by anonymous request. Clients can enumerate blobs within the container by anonymous request, but cannot enumerate containers within the storage account.

⌄ Advanced

Create   Give feedback

Home > temppstorage | Containers >

mydemocontainer
Container

⌕ Search

- Overview
- Diagnose and solve problems
- Access Control (IAM)
- Settings

↑ Upload | ⇄ Change access level | ↻ Refresh | 🗑 Delete | ⇄ Change t...

Authentication method: Access key (Switch to Microsoft Entra user account)
Location: mydemocontainer

Search blobs by prefix (case-sensitive)

➕ Add filter

Name	Modified	Access tier	Ar...
No results			

Upload blob

1 file(s) selected: leonard-cotte-unsplash.jpg
Drag and drop files here or Browse for files

☐ Overwrite if files already exist

⌄ Advanced

[Upload]   ⟲ Give feedback

Home > CreateVm-canonical.0001-com-ubuntu-server-focal-2-20240714150206 | Overview > storage-vm

storage-vm | Connect
Virtual machine

⌕ Search

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Connect
  - Connect
  - Bastion
- Networking
  - Network settings
  - Load balancing
  - Application security groups
  - Network manager
- Settings

↻ Refresh | 🔧 Troubleshoot ⌄ | ⚙ More Options ⌄ | 💬 Feedback

Connecting using
Public IP address | 20.57.63.4   ⌄

Admin username
Subham

Port (change)
22   Check access ⓘ

Just-in-time policy
Unsupported by plan ⓘ

Recommended   **Most common**

SSH using Azure CLI   Local machine Azure portal

SSH using Azure CLI

Quickly connect in browser. Supports Microsoft Entra
ID authentication. Private key not required.

Public IP address (20.57.63.4)

Native SSH

No additional s...
connection. Bes...

Public IP addres...

Native SSH
Connect from your local machine (Windows)

✓ Prerequisites configured ⌃

  ✓ **Port 22 access**
  Port 22 on this virtual machine is accessible from the local machine IP
  (171.48.109.24). Learn more ↗

  ⓘ Change the port for connecting to this virtual machine on the
  Connect page of the virtual machine.

  ✓ **Public IP address: 20.57.63.4**
  A public IP address is required to connect via this connection method.

  [Configured]

2 **Open a local shell (on Windows)**
   Open Terminal (Windows 11), PowerShell (Windows 10 or less), or a shell of your
   choice. Or switch the local machine OS above to view more instructions.

3 **Copy and execute SSH command**
   Provide a path to your SSH private key file on your local machine.

   ~/.ssh/id_rsa.pem

   Can't find your private key? Reset your SSH private key
   SSH to VM with specified private key.

   ssh -i ~/.ssh/id_rsa.pem Subham@20.57.63.4   📋
                                                       Copied

[Close]   Troubleshooting   ⟲ Give feedback

File   Edit   View   Tools   Tab   Window   Help

ssh://Subham@20.57.63.4:22

To add the current session, click on the left arrow button.

Session Manager

1 20.57.63.4:22

All Sessions

```
[C:\Users\SUBHAM\downloads]$ clear
[C:\Users\SUBHAM\downloads]$ ssh -i -p  Subham@20.57.63.4


Connecting to 20.57.63.4:22...
Connection established.
To escape to local shell, press 'Ctrl+Alt+]'.

Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1067-azure x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/pro

 System information as of Sun Jul 14 09:39:08 UTC 2024

  System load:  0.12              Processes:             120
  Usage of /:   5.2% of 28.89GB   Users logged in:       0
  Memory usage: 9%                IPv4 address for eth0: 10.0.1.4
  Swap usage:   0%

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
   just raised the bar for easy, resilient and secure K8s cluster deployment.

   https://ubuntu.com/engage/secure-kubernetes-at-the-edge

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
```

Name	All Sessi...
Type	Folder
Sub items	0
Host	
Port	22
Protocol	SSH
User Name	
Description	

ssh://Subham@20.57.63.4:22   SSH2   xterm   111x32   32,29   1 session   CAP NUM

File   Edit   View   Tools   Tab   Window   Help

ssh://Subham@20.57.63.4:22

To add the current session, click on the left arrow button.

Session Manager

1 20.57.63.4:22

All Sessions

```
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

/usr/bin/xauth:  file /home/Subham/.Xauthority does not exist
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

Subham@storage-vm:~$ sudo su
root@storage-vm:/home/Subham# cd
root@storage-vm:~# sudo wget https://packages.microsoft.com/config/ubuntu/20.04/packages-microsoft-prod.deb
--2024-07-14 09:40:36--  https://packages.microsoft.com/config/ubuntu/20.04/packages-microsoft-prod.deb
Resolving packages.microsoft.com (packages.microsoft.com)... 13.107.246.41, 2620:1ec:bdf::41
Connecting to packages.microsoft.com (packages.microsoft.com)|13.107.246.41|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 3690 (3.6K) [application/octet-stream]
Saving to: 'packages-microsoft-prod.deb'

packages-microsoft-prod.deb 100%[========================================>]   3.60K  --.-KB/s    in 0s

2024-07-14 09:40:36 (926 MB/s) - 'packages-microsoft-prod.deb' saved [3690/3690]

root@storage-vm:~# sudo dpkg -i packages-microsoft-prod.deb
Selecting previously unselected package packages-microsoft-prod.
(Reading database ... 58961 files and directories currently installed.)
Preparing to unpack packages-microsoft-prod.deb ...
Unpacking packages-microsoft-prod (1.0-ubuntu20.04.1) ...
Setting up packages-microsoft-prod (1.0-ubuntu20.04.1) ...
root@storage-vm:~# sudo apt-get update
```

Name	All Sessi...
Type	Folder
Sub items	0
Host	
Port	22
Protocol	SSH
User Name	
Description	

ssh://Subham@20.57.63.4:22   SSH2   xterm   111x32   32,20   1 session   CAP NUM

File   Edit   View   Tools   Tab   Window   Help

ssh://Subham@20.57.63.4:22

To add the current session, click on the left arrow button.

Session Manager   1 20.57.63.4:22

All Sessions

```
Get:17 http://azure.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [1209 kB]
Get:18 http://azure.archive.ubuntu.com/ubuntu focal-updates/universe Translation-en [291 kB]
Get:19 http://azure.archive.ubuntu.com/ubuntu focal-updates/universe amd64 c-n-f Metadata [27.5 kB]
Get:20 http://azure.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 Packages [27.1 kB]
Get:21 http://azure.archive.ubuntu.com/ubuntu focal-updates/multiverse Translation-en [7936 B]
Get:22 http://azure.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 c-n-f Metadata [616 B]
Get:23 http://azure.archive.ubuntu.com/ubuntu focal-backports/main amd64 Packages [45.7 kB]
Get:24 http://azure.archive.ubuntu.com/ubuntu focal-backports/main Translation-en [16.3 kB]
Get:25 http://azure.archive.ubuntu.com/ubuntu focal-backports/main amd64 c-n-f Metadata [1420 B]
Get:26 http://azure.archive.ubuntu.com/ubuntu focal-backports/restricted amd64 c-n-f Metadata [116 B]
Get:27 http://azure.archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [25.0 kB]
Get:28 http://azure.archive.ubuntu.com/ubuntu focal-backports/universe Translation-en [16.3 kB]
Get:29 http://azure.archive.ubuntu.com/ubuntu focal-backports/universe amd64 c-n-f Metadata [880 B]
Get:30 http://azure.archive.ubuntu.com/ubuntu focal-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:31 http://azure.archive.ubuntu.com/ubuntu focal-security/main amd64 Packages [3038 kB]
Get:32 http://azure.archive.ubuntu.com/ubuntu focal-security/main Translation-en [454 kB]
Get:33 http://azure.archive.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [14.0 kB]
Get:34 http://azure.archive.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [2937 kB]
Get:35 http://azure.archive.ubuntu.com/ubuntu focal-security/restricted Translation-en [411 kB]
Get:36 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 Packages [990 kB]
Get:37 http://azure.archive.ubuntu.com/ubuntu focal-security/universe Translation-en [210 kB]
Get:38 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [20.9 kB]
Get:39 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [24.8 kB]
Get:40 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse Translation-en [5968 B]
Get:41 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [540 B]
Get:42 https://packages.microsoft.com/ubuntu/20.04/prod focal/main armhf Packages [21.4 kB]
Get:43 https://packages.microsoft.com/ubuntu/20.04/prod focal/main arm64 Packages [61.9 kB]
Get:44 https://packages.microsoft.com/ubuntu/20.04/prod focal/main amd64 Packages [300 kB]
Get:45 https://packages.microsoft.com/ubuntu/20.04/prod focal/main all Packages [2714 B]
Fetched 32.3 MB in 6s (5113 kB/s)
Reading package lists... Done
root@storage-vm:~#
```

Name	All Sessi...
Type	Folder
Sub items	0
Host	
Port	22
Protocol	SSH
User Name	
Description	

ssh://Subham@20.57.63.4:22   SSH2   xterm   111x32   32,20   1 session   CAP   NUM

```
Get:33 http://azure.archive.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [14.0 kB]
Get:34 http://azure.archive.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [2937 kB]
Get:35 http://azure.archive.ubuntu.com/ubuntu focal-security/restricted Translation-en [411 kB]
Get:36 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 Packages [990 kB]
Get:37 http://azure.archive.ubuntu.com/ubuntu focal-security/universe Translation-en [210 kB]
Get:38 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [20.9 kB]
Get:39 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [24.8 kB]
Get:40 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse Translation-en [5968 B]
Get:41 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [540 B]
Get:42 https://packages.microsoft.com/ubuntu/20.04/prod focal/main armhf Packages [21.4 kB]
Get:43 https://packages.microsoft.com/ubuntu/20.04/prod focal/main arm64 Packages [61.9 kB]
Get:44 https://packages.microsoft.com/ubuntu/20.04/prod focal/main amd64 Packages [300 kB]
Get:45 https://packages.microsoft.com/ubuntu/20.04/prod focal/main all Packages [2714 B]
Fetched 32.3 MB in 6s (5113 kB/s)
Reading package lists... Done
root@storage-vm:~# sudo apt-get install blobfuse
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  blobfuse
0 upgraded, 1 newly installed, 0 to remove and 7 not upgraded.
Need to get 10.1 MB of archives.
After this operation, 35.6 MB of additional disk space will be used.
Get:1 https://packages.microsoft.com/ubuntu/20.04/prod focal/main amd64 blobfuse amd64 1.4.5 [10.1 MB]
Fetched 10.1 MB in 0s (55.2 MB/s)
Selecting previously unselected package blobfuse.
(Reading database ... 58969 files and directories currently installed.)
Preparing to unpack .../blobfuse_1.4.5_amd64.deb ...
Unpacking blobfuse (1.4.5) ...
Setting up blobfuse (1.4.5) ...
root@storage-vm:~#
```

Name	All Sessi...
Type	Folder
Sub items	0
Host	
Port	22
Protocol	SSH
User Name	
Description	

ssh://Subham@20.57.63.4:22   SSH2   xterm   111x32   32,20   1 session   CAP   NUM

File   Edit   View   Tools   Tab   Window   Help

ssh://Subham@20.57.63.4:22

To add the current session, click on the left arrow button.

Session Manager

All Sessions

1 20.57.63.4:22

```
Reading package lists... Done
root@storage-vm:~# sudo apt-get install blobfuse
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  blobfuse
0 upgraded, 1 newly installed, 0 to remove and 7 not upgraded.
Need to get 10.1 MB of archives.
After this operation, 35.6 MB of additional disk space will be used.
Get:1 https://packages.microsoft.com/ubuntu/20.04/prod focal/main amd64 blobfuse amd64 1.4.5 [10.1 MB]
Fetched 10.1 MB in 0s (55.2 MB/s)
Selecting previously unselected package blobfuse.
(Reading database ... 58969 files and directories currently installed.)
Preparing to unpack .../blobfuse_1.4.5_amd64.deb ...
Unpacking blobfuse (1.4.5) ...
Setting up blobfuse (1.4.5) ...
root@storage-vm:~# df -h
Filesystem      Size  Used Avail Use% Mounted on
/dev/root        29G  1.8G   28G   7% /
devtmpfs        1.7G     0  1.7G   0% /dev
tmpfs           1.7G     0  1.7G   0% /dev/shm
tmpfs           336M  996K  335M   1% /run
tmpfs           5.0M     0  5.0M   0% /run/lock
tmpfs           1.7G     0  1.7G   0% /sys/fs/cgroup
/dev/loop0       64M   64M     0 100% /snap/core20/2318
/dev/loop1       92M   92M     0 100% /snap/lxd/24061
/dev/loop2       39M   39M     0 100% /snap/snapd/21759
/dev/sda15      105M  6.1M   99M   6% /boot/efi
/dev/sdb1       6.8G   28K  6.5G   1% /mnt
tmpfs           336M     0  336M   0% /run/user/1000
root@storage-vm:~#
```

Name	All Sessi...
Type	Folder
Sub items	0
Host	
Port	22
Protocol	SSH
User Name	
Description	

ssh://Subham@20.57.63.4:22

SSH2   xterm   111x32   32,20   1 session   CAP   NUM

```
Fetched 10.1 MB in 0s (55.2 MB/s)
Selecting previously unselected package blobfuse.
(Reading database ... 58969 files and directories currently installed.)
Preparing to unpack .../blobfuse_1.4.5_amd64.deb ...
Unpacking blobfuse (1.4.5) ...
Setting up blobfuse (1.4.5) ...
root@storage-vm:~# df -h
Filesystem        Size  Used Avail Use% Mounted on
/dev/root          29G  1.8G   28G   7% /
devtmpfs          1.7G     0  1.7G   0% /dev
tmpfs             1.7G     0  1.7G   0% /dev/shm
tmpfs             336M  996K  335M   1% /run
tmpfs             5.0M     0  5.0M   0% /run/lock
tmpfs             1.7G     0  1.7G   0% /sys/fs/cgroup
/dev/loop0         64M   64M     0 100% /snap/core20/2318
/dev/loop1         92M   92M     0 100% /snap/lxd/24061
/dev/loop2         39M   39M     0 100% /snap/snapd/21759
/dev/sda15        105M  6.1M   99M   6% /boot/efi
/dev/sdb1         6.8G   28K  6.5G   1% /mnt
tmpfs             336M     0  336M   0% /run/user/1000
root@storage-vm:~# sudo mkdir /mnt/ramdisk
root@storage-vm:~# sudo mount -t tmpfs -o size=16g tmpfs /mnt/ramdisk
root@storage-vm:~# sudo mkdir /mnt/ramdisk/blobfusetmp
root@storage-vm:~# vi /blobmount.cfg
root@storage-vm:~# ls
packages-microsoft-prod.deb   snap
root@storage-vm:~# cat /blobmount.cfg
accountName temppstorage
accountKey HexoN4q3ZKCweOVj/51tWa6VGDwYnd4iF+JaZYZdYvFUmGDMLHNi6FzGaTb2QiYTVQk50iC3S2j8+AStXBgt5A==
containerName mydemocontainer
authType Key
root@storage-vm:~#
```

```
packages-microsoft-prod.deb   snap
root@storage-vm:~# cat /blobmount.cfg
accountName temppstorage
accountKey HexoN4q3ZKCweOVj/51tWa6VGDwYnd4iF+JaZYZdYvFUmGDMLHNi6FzGaTb2QiYTVQk50iC3S2j8+AStXBgt5A==
containerName mydemocontainer
authType Key
root@storage-vm:~# sudo chmod 600 /blobmount.cfg
root@storage-vm:~# mkdir ~/mydemocontainer
root@storage-vm:~# ls
mydemocontainer   packages-microsoft-prod.deb   snap
root@storage-vm:~# blobfuse ~/mydemocontainer --tmp-path=/mnt/resource/blobfusetmp  --config-file=/blobmount.cf
g -o attr_timeout=240 -o entry_timeout=240 -o negative_timeout=120
root@storage-vm:~# df -h
Filesystem        Size  Used Avail Use% Mounted on
/dev/root          29G  1.8G   28G   7% /
devtmpfs          1.7G     0  1.7G   0% /dev
tmpfs             1.7G     0  1.7G   0% /dev/shm
tmpfs             336M  992K  335M   1% /run
tmpfs             5.0M     0  5.0M   0% /run/lock
tmpfs             1.7G     0  1.7G   0% /sys/fs/cgroup
/dev/loop0         64M   64M     0 100% /snap/core20/2318
/dev/loop1         92M   92M     0 100% /snap/lxd/24061
/dev/loop2         39M   39M     0 100% /snap/snapd/21759
/dev/sda15        105M  6.1M   99M   6% /boot/efi
/dev/sdb1         6.8G   44K  6.5G   1% /mnt
tmpfs             336M     0  336M   0% /run/user/1000
tmpfs              16G     0   16G   0% /mnt/ramdisk
blobfuse          6.8G   44K  6.5G   1% /root/mydemocontainer
root@storage-vm:~# cd ~/mydemocontainer
root@storage-vm:~/mydemocontainer# ls
leonard-cotte-unsplash.jpg
root@storage-vm:~/mydemocontainer#
```

Microsoft Azure   Search resources, services, and docs (G+/)
   subhambh14@gmail.com
   DEFAULT DIRECTORY (SUBHAMB...

Home > temppstorage

temppstorage | File shares
Storage account

×

Search

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

   Access keys

+ File share   ⟳ Refresh   Give feedback

File share settings

Identity-based access: Not configured   Default share-level permissions: Disabled   Soft delete: 7 days   Maximum capacity: 100 TiB

Security: Maximum compatibility

Search file shares by prefix (case-sensitive)   ⬤ Show deleted shares

Name	Modified	Tier	Quota

You don't have any file shares yet. Click '+ File share' to get started.

Microsoft Azure   Search resources, services, and docs (G+/)
   subhambh14@gmail.com
   DEFAULT DIRECTORY (SUBHAMB...

Home > temppstorage | File shares >

New file share

×

Basics   Backup   Review + create

Name *
mydemofileshare

Access tier *
Transaction optimized

Performance

Maximum IO/s ⓘ   20000

Maximum capacity   100 TiB

ⓘ To use the SMB protocol with this share, check if you can communicate over port 445. These scripts for Windows clients and Linux clients can help. Learn how to circumvent port 445 issues.

Review + create   < Previous   Next : Backup >   Give feedback

File   Edit   View   Tools   Debug   Add-ons   Help

Script

```
PS C:\WINDOWS\System32> $connectTestResult = Test-NetConnection -ComputerName temppstorage.file.core.windows.net -Port 445
if ($connectTestResult.TcpTestSucceeded) {
    # Save the password so the drive will persist on reboot
    cmd.exe /C "cmdkey /add:`"temppstorage.file.core.windows.net`" /user:`"localhost\temppstorage`" /pass:`"HexoN4q3ZKCweOVj/51tWa6VGDwYnd4iF+JaZYZdYvFU
    # Mount the drive
    New-PSDrive -Name A -PSProvider FileSystem -Root "\\temppstorage.file.core.windows.net\mydemofileshare" -Persist
} else {
    Write-Error -Message "Unable to reach the Azure storage account via port 445. Check to make sure your organization or ISP is not blocking port 445, (
}

CMDKEY: Credential added successfully.

Name        Used (GB)   Free (GB) Provider      Root                            CurrentLocation
----        ---------   --------- --------      ----                            ---------------
A                0.00   102400.00 FileSystem    \\temppstorage.file.core.windows...


PS C:\WINDOWS\System32>
```

Completed   Ln 19 Col 25   100%
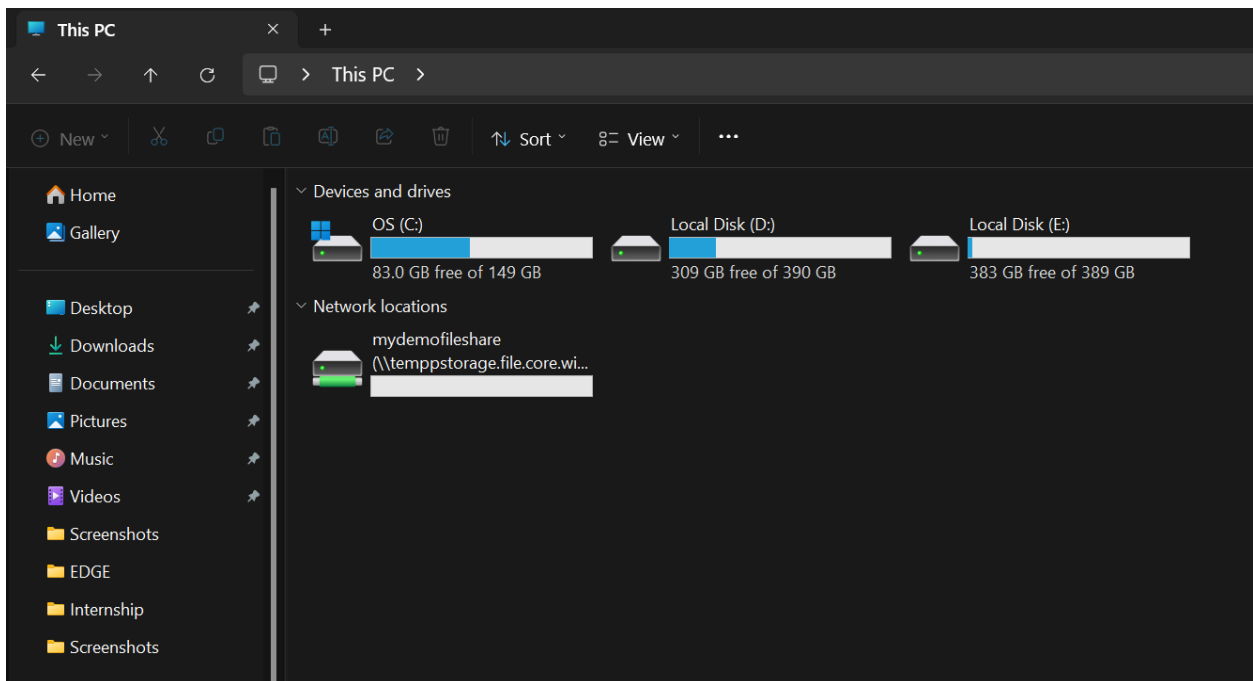
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Devices and drives

OS (C:)
83.0 GB free of 149 GB

Local Disk (D:)
309 GB free of 390 GB

Local Disk (E:)
383 GB free of 389 GB

Network locations

mydemofileshare
(\\temppstorage.file.core.wi...

File   Edit   View   Tools   Tab   Window   Help

ssh://Subham@20.57.63.4:22

To add the current session, click on the left arrow button.

Session Manager

All Sessions

1 20.57.63.4:22

```
> fi
root@storage-vm:~# if [ ! -f "/etc/smbcredentials/temppstorage.cred" ]; then
>     sudo bash -c 'echo "username=temppstorage" >> /etc/smbcredentials/temppstorage.cred'
>     sudo bash -c 'echo "password=HexoN4q3ZKCweOVj/51tWa6VGDwYnd4iF+JaZYZdYvFUmGDMLHNi6FzGaTb2QiYTVQk50iC3S2j8
+AStXBgt5A==" >> /etc/smbcredentials/temppstorage.cred'
> fi
root@storage-vm:~# sudo chmod 600 /etc/smbcredentials/temppstorage.cred
root@storage-vm:~#
root@storage-vm:~# sudo bash -c 'echo "//temppstorage.file.core.windows.net/mydemofileshar
e cifs nofail,credentials=/etc/smbcredentials/temppstorage.cred,dir_mode=0777,file_mode=0777,serverino,noshares
ock,actimeo=30" >> /etc/fstab'
root@storage-vm:~# sudo mount -t cifs //temppstorage.file.core.windows.net/mydemofileshare /mnt/mydemofileshare
 -o credentials=/etc/smbcredentials/temppstorage.cred,dir_mode=0777,file_mode=0777,serverino,nosharesock,actime
o=30
root@storage-vm:~# df -h
Filesystem                                      Size  Used Avail Use% Mounted on
/dev/root                                        29G  1.8G   28G   7% /
devtmpfs                                        1.7G     0  1.7G   0% /dev
tmpfs                                           1.7G     0  1.7G   0% /dev/shm
tmpfs                                           336M  992K  335M   1% /run
tmpfs                                           5.0M     0  5.0M   0% /run/lock
tmpfs                                           1.7G     0  1.7G   0% /sys/fs/cgroup
/dev/loop0                                       64M   64M     0 100% /snap/core20/2318
/dev/loop1                                       92M   92M     0 100% /snap/lxd/24061
/dev/loop2                                       39M   39M     0 100% /snap/snapd/21759
/dev/sda15                                      105M  6.1M   99M   6% /boot/efi
/dev/sdb1                                       6.8G   48K  6.5G   1% /mnt
tmpfs                                           336M     0  336M   0% /run/user/1000
tmpfs                                            16G     0   16G   0% /mnt/ramdisk
blobfuse                                        6.8G   48K  6.5G   1% /root/mydemocontainer
//temppstorage.file.core.windows.net/mydemofileshare  100T  1.5M  100T   1% /mnt/mydemofileshare
root@storage-vm:~#
```

Name   All Sessi...
Type   Folder
Sub items   0
Host
Port   22
Protocol   SSH
User Name
Description

ssh://Subham@20.57.63.4:22   SSH2   xterm   111x32   32,20   1 session   CAP   NUM

File Edit View Tools Tab Window Help

ssh://Subham@20.57.63.4:22

Session Manager

1 20.57.63.4:22

All Sessions

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> fi
root@storage-vm:~# sudo chmod 600 /etc/smbcredentials/temppstorage.cred
root@storage-vm:~#
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root@storage-vm:~# df -h
Filesystem                                       Size  Used Avail Use% Mounted on
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/dev/loop0                                        64M   64M     0 100% /snap/core20/2318
/dev/loop1                                        92M   92M     0 100% /snap/lxd/24061
/dev/loop2                                        39M   39M     0 100% /snap/snapd/21759
/dev/sda15                                       105M  6.1M   99M   6% /boot/efi
/dev/sdb1                                         6.8G   48K  6.5G   1% /mnt
tmpfs                                            336M     0  336M   0% /run/user/1000
tmpfs                                             16G     0   16G   0% /mnt/ramdisk
blobfuse                                         6.8G   48K  6.5G   1% /root/mydemocontainer
//temppstorage.file.core.windows.net/mydemofileshare  100T  1.5M  100T   1% /mnt/mydemofileshare
root@storage-vm:~# cd /mnt/mydemofileshare
root@storage-vm:/mnt/mydemofileshare# touch abc{1..10}.txt
root@storage-vm:/mnt/mydemofileshare# ls
abc1.txt    abc2.txt   abc4.txt   abc6.txt   abc8.txt   artur-voznenko-unsplash.jpg
abc10.txt   abc3.txt   abc5.txt   abc7.txt   abc9.txt
root@storage-vm:/mnt/mydemofileshare#
```

ssh://Subham@20.57.63.4:22   SSH2   xterm   111x32   32,39   1 session   CAP NUM

---

mydemofileshare (\\tem

This PC > mydemofileshare (\\temppstorage.file.core.windows.net) (A:)

Search mydemofileshare (\\temppstorage.fil

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This PC
mydemofileshare (\\temp
OS (C:)
Local Disk (D:)
Local Disk (E:)
Network

Name	Date modified	Type	Size
abc1.txt	14-07-2024 15:40	Text Document	0 KB
abc2.txt	14-07-2024 15:40	Text Document	0 KB
abc3.txt	14-07-2024 15:40	Text Document	0 KB
abc4.txt	14-07-2024 15:40	Text Document	0 KB
abc5.txt	14-07-2024 15:40	Text Document	0 KB
abc6.txt	14-07-2024 15:40	Text Document	0 KB
abc7.txt	14-07-2024 15:40	Text Document	0 KB
abc8.txt	14-07-2024 15:40	Text Document	0 KB
abc9.txt	14-07-2024 15:40	Text Document	0 KB
abc10.txt	14-07-2024 15:40	Text Document	0 KB
artur-voznenko-unsplash.jpg	14-07-2024 15:32	JPG File	1,498 KB

11 items