

```
root@vm-1: /mnt
login as: karthi
karthi@20.106.149.170's password:
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1037-azure x86_64)

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

System information disabled due to load higher than 1.0

 * 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

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

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.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

karthi@vm-1:~$ sudo mkdir file
karthi@vm-1:~$ sudo su -
root@vm-1:~# ls -l
total 4
drwx----- 3 root root 4096 May 16 03:59 snap
root@vm-1:~# ls -al
total 24
```

```
root@vm-1: /mnt
root@vm-1:~# ls -l
total 4
drwx----- 3 root root 4096 May 16 03:59 snap
root@vm-1:~# ls -al
total 24
drwx----- 4 root root 4096 May 16 03:59 .
drwxr-xr-x 19 root root 4096 May 16 03:59 ..
-rw-r--r-- 1 root root 3106 Dec  5 2019 .bashrc
-rw-r--r-- 1 root root 161 Dec  5 2019 .profile
drwx----- 2 root root 4096 May 16 03:59 .ssh
drwx----- 3 root root 4096 May 16 03:59 snap
root@vm-1:~# cd /mnt
-bash: cd /mnt: No such file or directory
root@vm-1:~# cd /mnt
root@vm-1:/mnt# sudo mkdir /mnt/test
sudo bash -c 'echo "//intel001.file.core.windows.net/test /mnt/test cifs nofail,
credentials=/etc/smbcredentials/intel001.cred,dir_mode=0777,file_mode=0777,serve
rino,nosharesock,actimeo=30" >> /etc/fstab'
sudo mount -t cifs //intel001.file.core.windows.net/test /mnt/test -o credential
s=/etc/smbcredentials/intel001.cred,dir_mode=0777,file_mode=0777,serverino,nosha
resock,actimeo=30root@vm-1:/mnt# if [ ! -d "/etc/smbcredentials" ]; then
> sudo mkdir /etc/smbcredentials
> fi
root@vm-1:/mnt# if [ ! -f "/etc/smbcredentials/intel001.cred" ]; then
> sudo bash -c 'echo "username=intel001" >> /etc/smbcredentials/intel001.cre
d'
> sudo bash -c 'echo "password=GZpc5/S6Xfb5rsia8LzsDYhJ47+BhBpgJIi7kKSuZVQS+
vCdKDqUj6q/fdTzXgZZ4sgY+ZjiKY7J+AS+cz7Qw==" >> /etc/smbcredentials/intel001.cre
d'
> fi
root@vm-1:/mnt# sudo chmod 600 /etc/smbcredentials/intel001.cred
root@vm-1:/mnt#
root@vm-1:/mnt# sudo bash -c 'echo "//intel001.file.core.windows.net/test /mnt/t
est cifs nofail,credentials=/etc/smbcredentials/intel001.cred,dir_mode=0777,file
_mode=0777,serverino,nosharesock,actimeo=30" >> /etc/fstab'
root@vm-1:/mnt# sudo mount -t cifs //intel001.file.core.windows.net/test /mnt/te
st -o credentials=/etc/smbcredentials/intel001.cred,dir_mode=0777,file_mode=0777
,serverino,nosharesock,actimeo=30
root@vm-1:/mnt# ls -l
total 20
-r--r--r-- 1 root root 639 May 16 03:59 DATALOSS_WARNING_README.txt
drwx----- 2 root root 16384 May 16 03:59 lost+found
drwxrwxrwx 2 root root 0 May 16 04:02 test
root@vm-1:/mnt#
```

Connect - Microsoft Azure

vm-1 - Microsoft Azure

https://portal.azure.com/#view/Microsoft\_Azure\_FileStorage/FileShareMenuBlade/~/overview/storageAccountId/%2Fsubscr...

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

natrajankarthi@gmail.c...  
DEFAULT DIRECTORY (NATRAJA...

Home > Storage accounts > intel001 | File shares >

test  
SMB File share

Search

Overview

Diagnose and solve problems

Access Control (IAM)

Browse

Operations

Snapshots

Backup

Connect Upload Refresh Add directory Delete

Enable Backup for file share "test" to protect your data. [Learn more](#)

Essentials

Storage account : intel001

Resource group [\(move\)](#) : assingment

Location : East US

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

Subscription [\(move\)](#) : Free Trial

Subscription ID : 46d6a552-d3f4-47de-be1c-cfb6c29e7f26

Properties

Capabilities (2)

Tutorials

Size

Maximum capacity : 5 TiB

Used capacity : 0 B

Tier : Transaction optimized

Performance

Connect

test

Hide Script

```
sudo mkdir /mnt/test
if [ ! -d "/etc/smbcredentials" ]; then
sudo mkdir /etc/smbcredentials
fi
if [ ! -f "/etc/smbcredentials/intel001.cred" ]; then
sudo bash -c 'echo "username=intel001" >> /etc/smbcredentials/intel001.cred'
sudo bash -c 'echo
"password=GZpc5/S6XFb5rsia8LzsDYhJ47+BhBpgJli7kKSuZVQS+vCdKDqUj6q/fdTzx
gZZ4sgY+ZjiKY7J+AST+cz7Qw==" >> /etc/smbcredentials/intel001.cred'
fi
sudo chmod 600 /etc/smbcredentials/intel001.cred

sudo bash -c 'echo "//intel001.file.core.windows.net/test /mnt/test cifs
nofail,credentials=/etc/smbcredentials/intel001.cred,dir_mode=0777,file_mode=077
7,serverino,nosharesock,actimeo=30" >> /etc/fstab'
sudo mount -t cifs //intel001.file.core.windows.net/test /mnt/test -o
credentials=/etc/smbcredentials/intel001.cred,dir_mode=0777,file_mode=0777,serve
rino,nosharesock,actimeo=30
```

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In order to mount an Azure file share outside of the Azure region it is hosted in, such as on-premises or in a different Azure region, the OS must support the encryption functionality of SMB 3.0.

[Learn more about Azure File Storage with Linux](#)

https://portal.azure.com/#home

Type here to search

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ENG

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16-05-2023

```
drwx----- 2 root root 4096 May 16 03:59 .ssh
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drwxrwxrwx 2 root root 0 May 16 04:02 test
root@vm-1:/mnt# cd test
root@vm-1:/mnt/test# ls -l
total 6159
-rwxrwxrwx 1 root root 6305860 May 16 04:08 Cloud-Architect-Certification-Masters-Course.pdf
root@vm-1:/mnt/test#
```



vm-1 - Microsoft Azure

Connect - Microsoft Azure

https://portal.azure.com/#view/Microsoft\_Azure\_FileStorage/FileShareMenuBlade/~/overview/storageAccountId/%2Fsubscr...

Microsoft Azure

Upgrade

Search resources, services, and docs (G+)

Home > Storage accounts > intel001 | File shares >

test

SMB File share

Search

ConnectUploadRefreshAdd directoryDelete

Enable Backup for file share "test" to protect your data. [Learn more](#)

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Capabilities (2)

Tutorials

Size

Maximum capacity: 5 TiB

Used capacity: 0 B

Tier: Transaction optimized

Performance

Connect

test

Hide Script

```
$connectTestResult = Test-NetConnection -ComputerName
intel001.file.core.windows.net -Port 445
if ($connectTestResult.TcpTestSucceeded) {
    # Save the password so the drive will persist on reboot
    cmd.exe /C "cmdkey /add:"intel001.file.core.windows.net"
/user:"localhost\intel001"
/pass:"GZpc5/S6XFb5rsia8LzsDYhJ47+BhBpgJli7kKSuZVQS+vCdKDqUj6q/fdTzxcZZ4
sgY+ZjiKY7J+AST+cz7Qw==""
    # Mount the drive
    New-PSDrive -Name Z -PSProvider FileSystem -Root
"\\intel001.file.core.windows.net\test" -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, or use Azure
P2S VPN, Azure S2S VPN, or Express Route to tunnel SMB traffic over a different
port."
}

```

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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 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.

Note: The script will only work on Windows Server 2012 and above.

https://portal.azure.com/#home

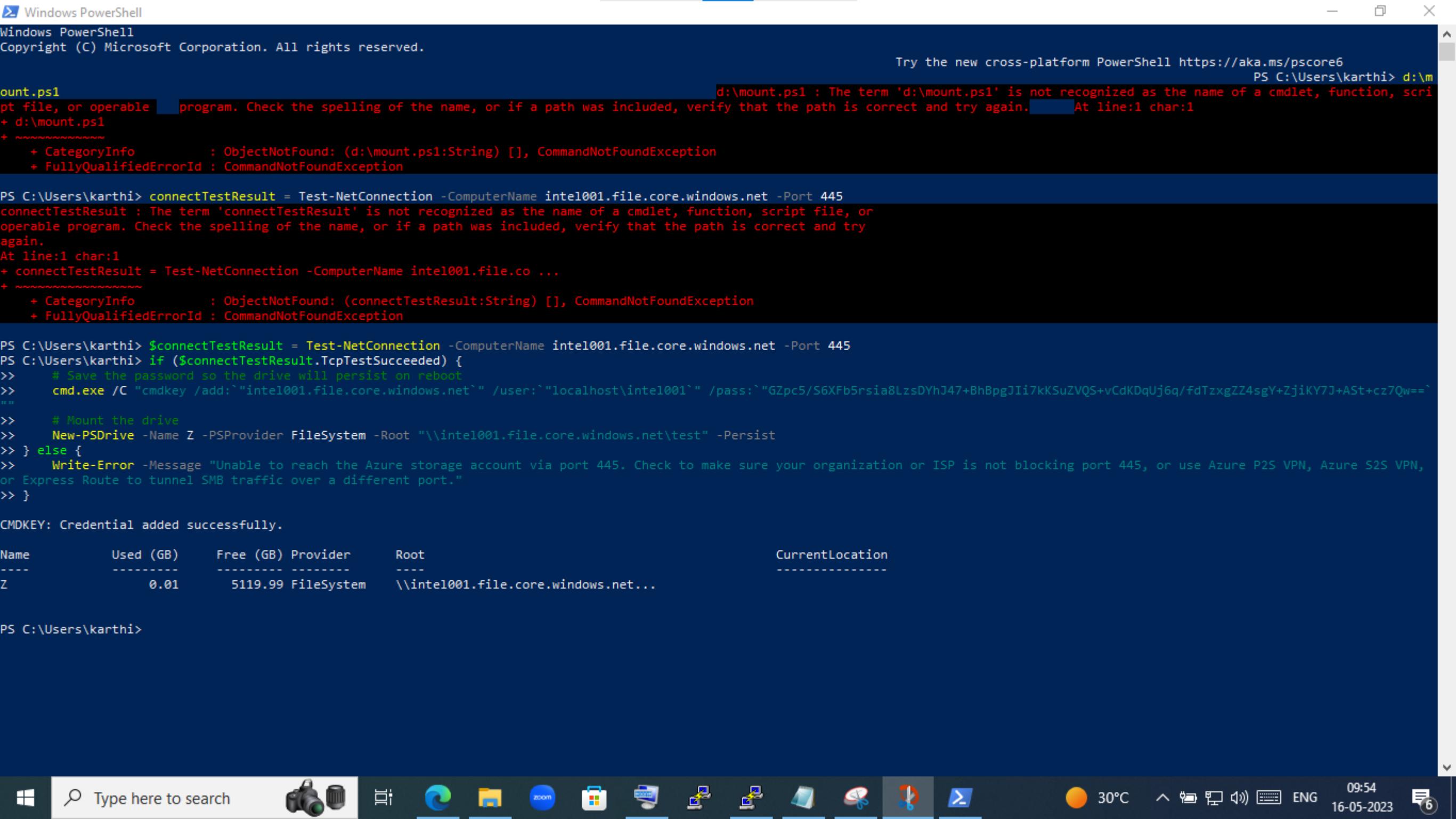
Type here to search

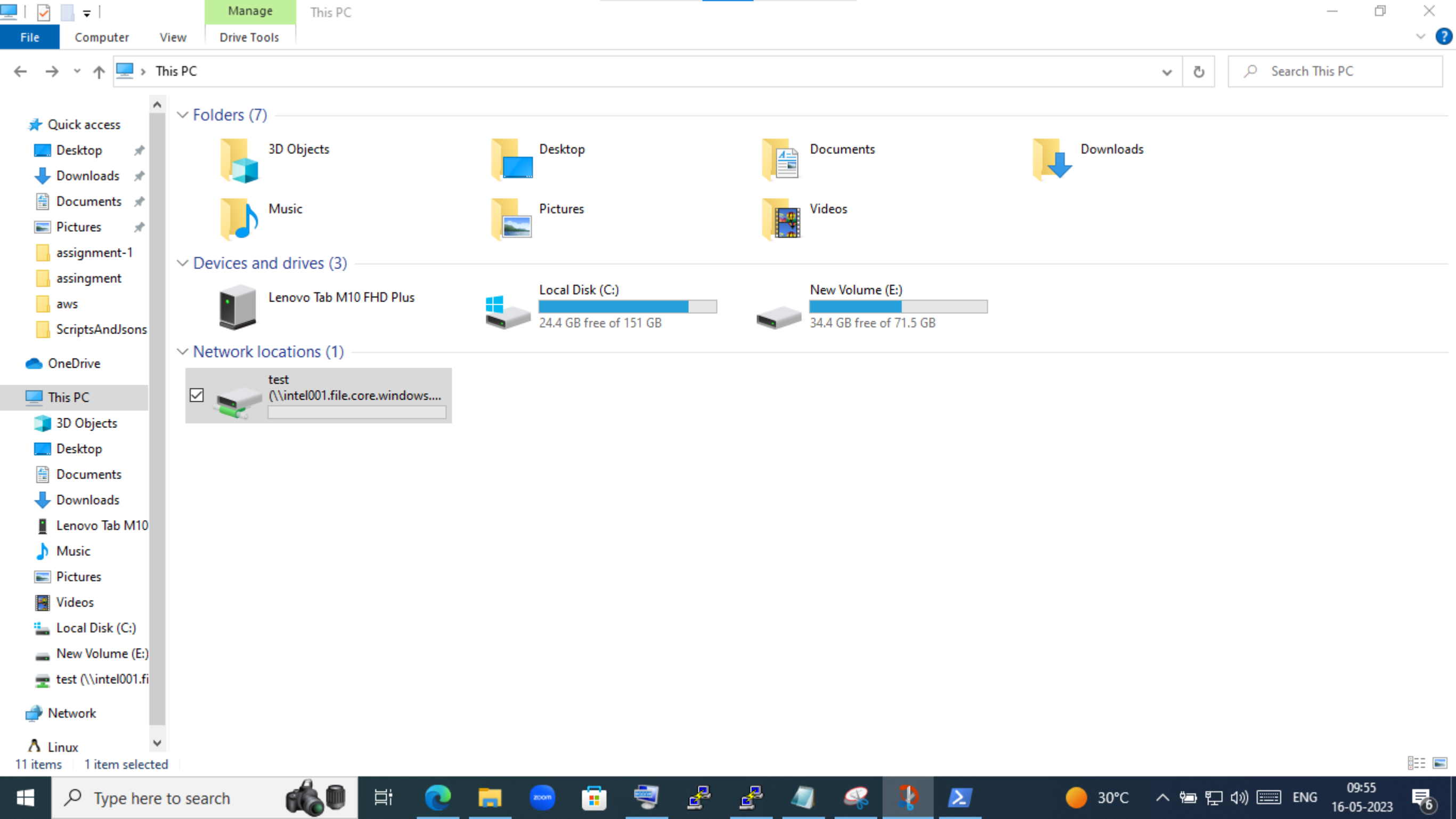
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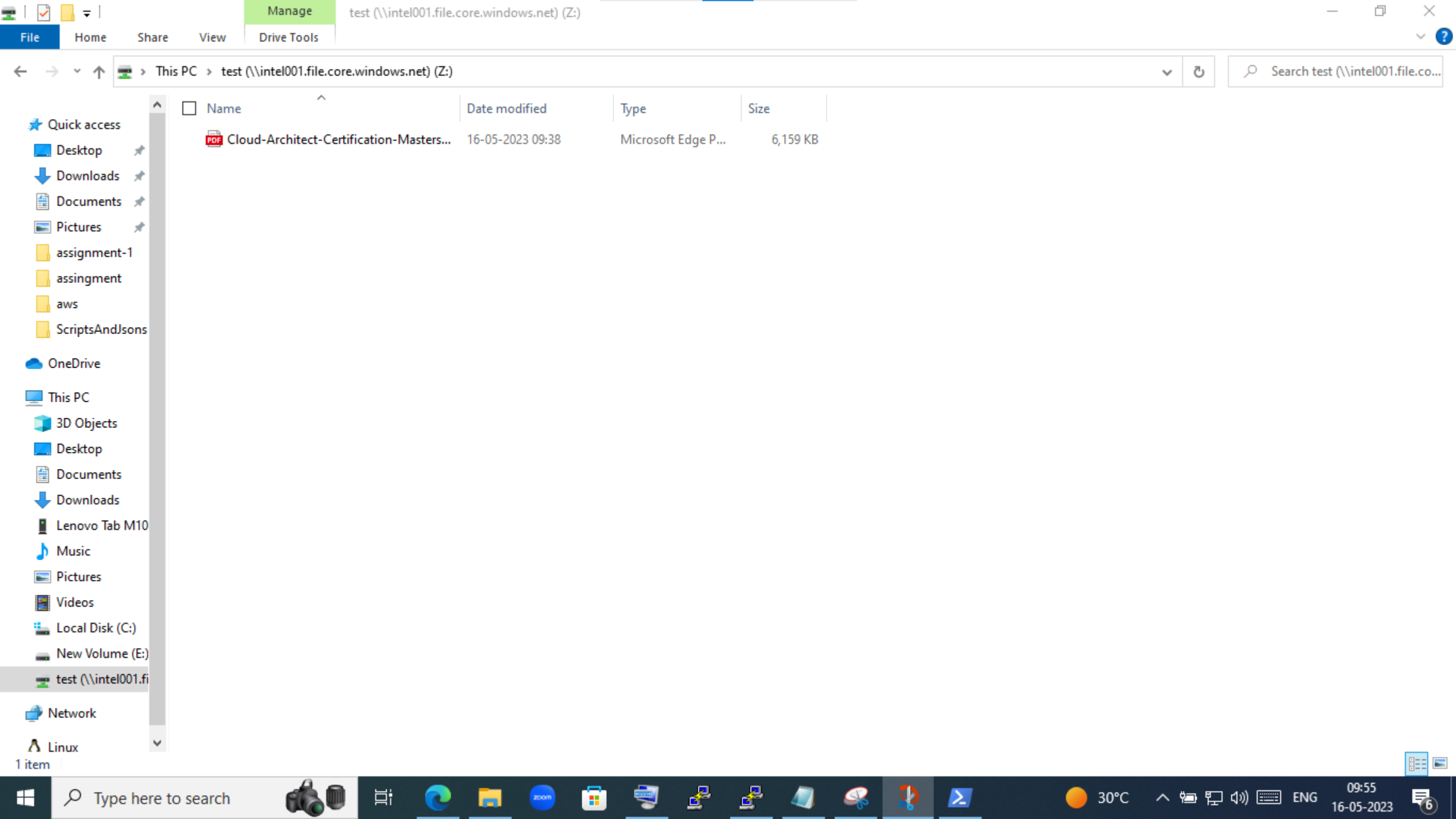
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16-05-2023







Name	Date modified	Type	Size
 Cloud-Architect-Certification-Masters...	16-05-2023 09:38	Microsoft Edge P...	6,159 KB