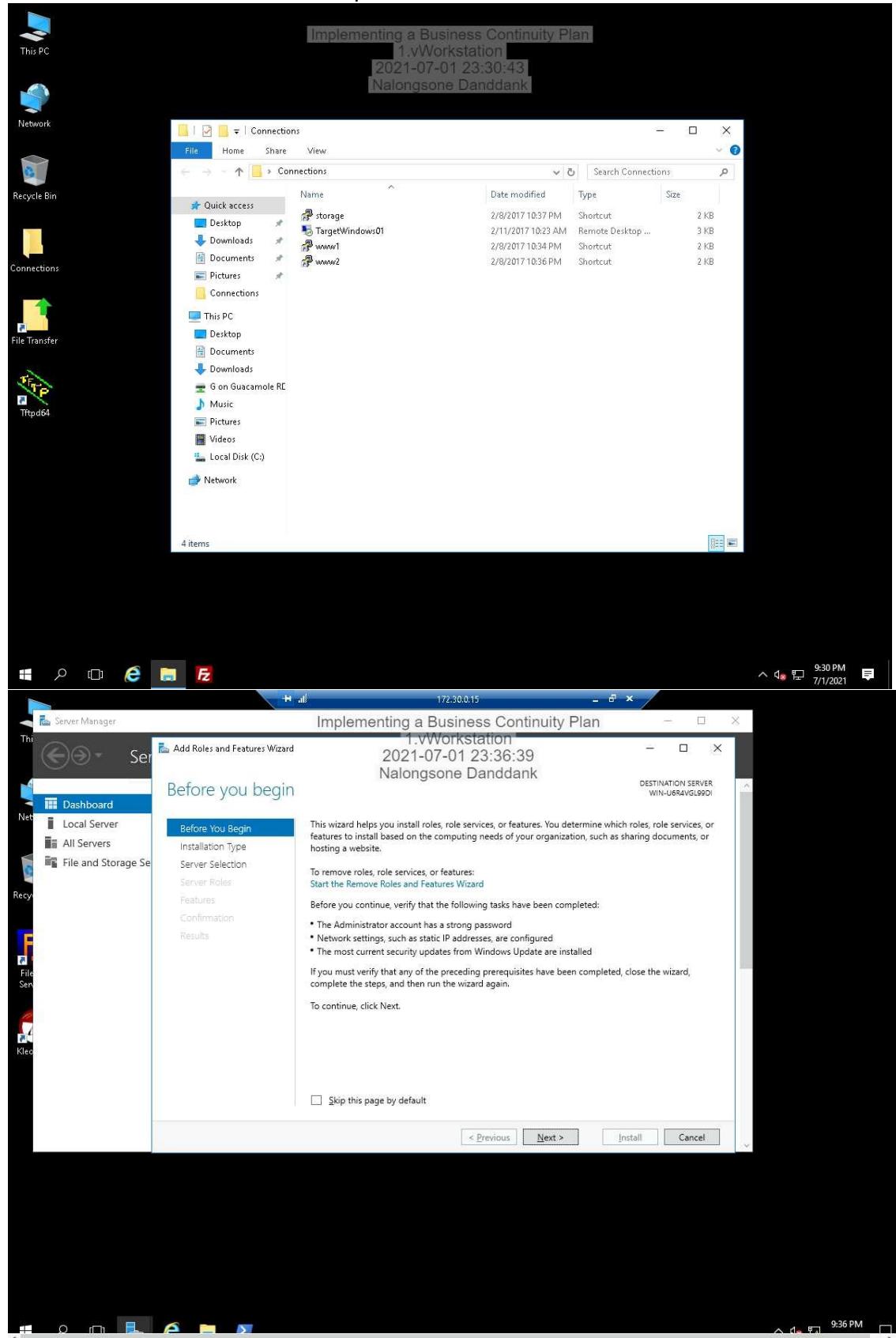


Implementing a Business Continuity Plan

Part 1: Install windows Server Backup.



The screenshot shows the Windows Server Manager Dashboard. The left sidebar lists "Dashboard", "Local Server", "All Servers", and "File and Storage Services". The main pane displays a welcome message about centralizing remote management and a list of new features:

- ✓ Add remote servers or create custom server groups
- ✓ Get current status of your servers and roles
- ✓ Perform tasks on multiple servers at one time
- ✓ Deploy roles and features remotely
- ✓ Connect this server to cloud services

Below this, the "ROLES AND SERVER GROUPS" section shows:

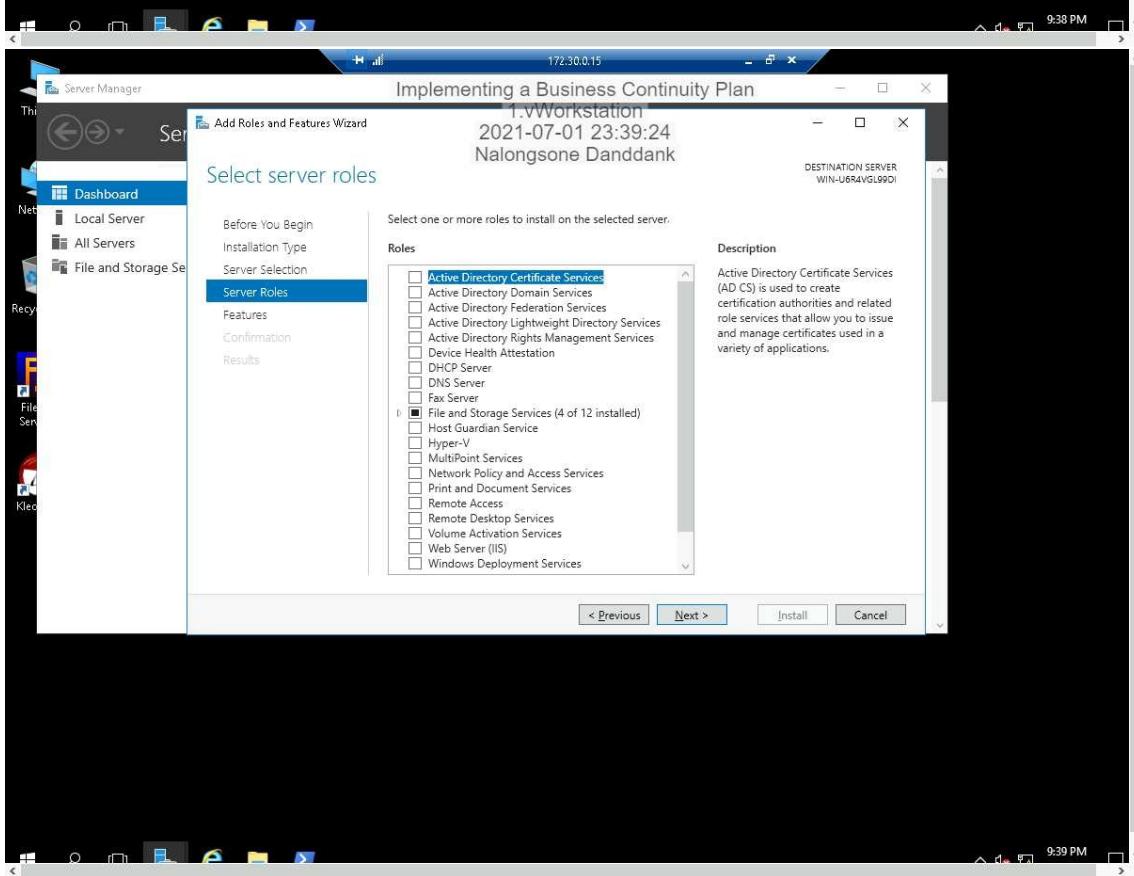
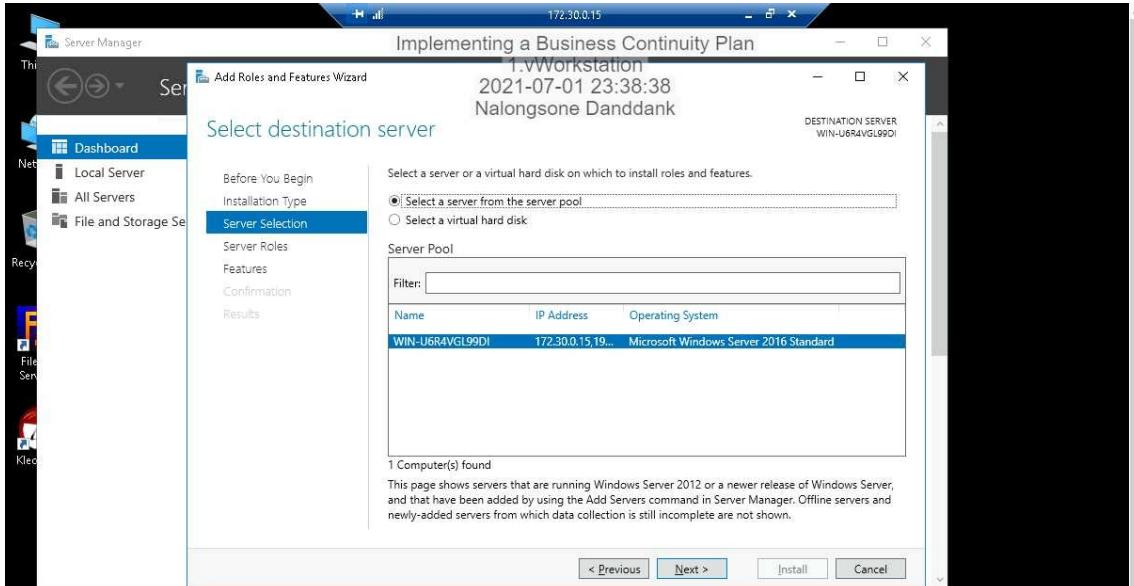
- File and Storage Services: 1 Manageability
- Local Server: 1 Manageability

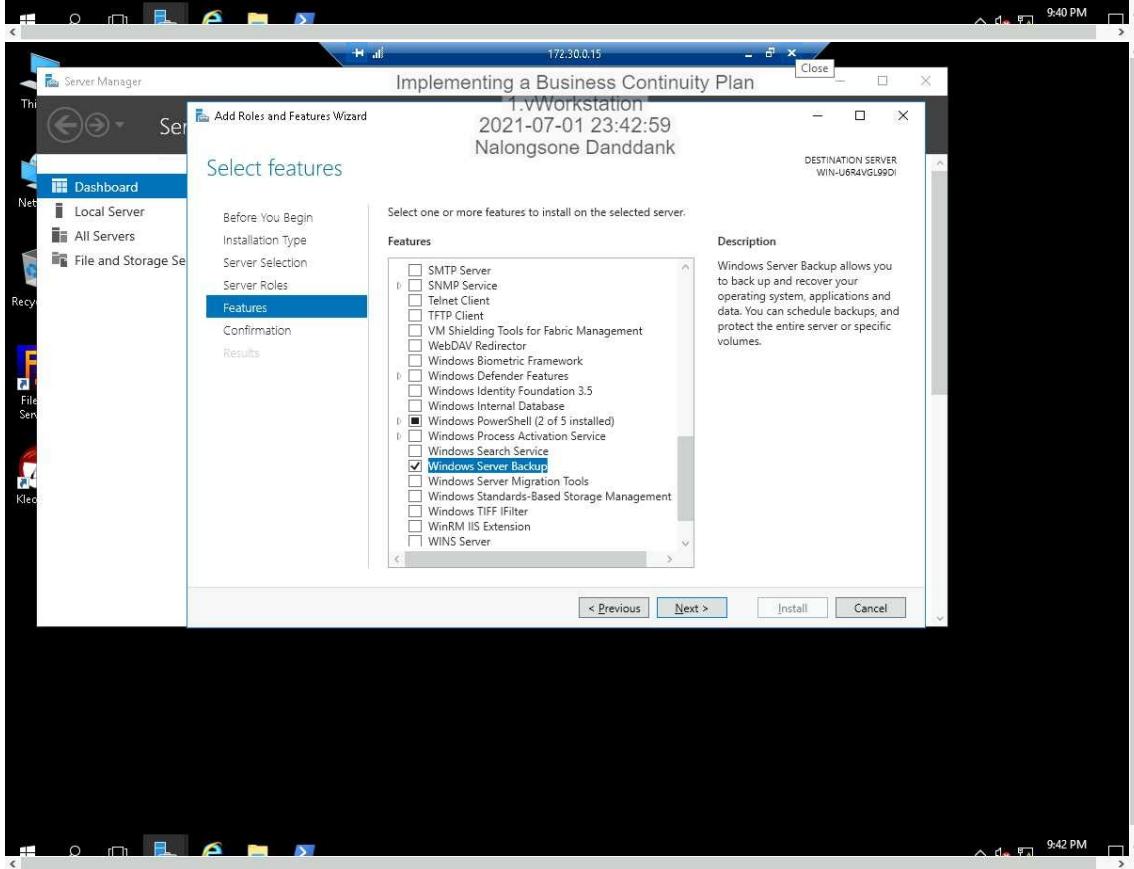
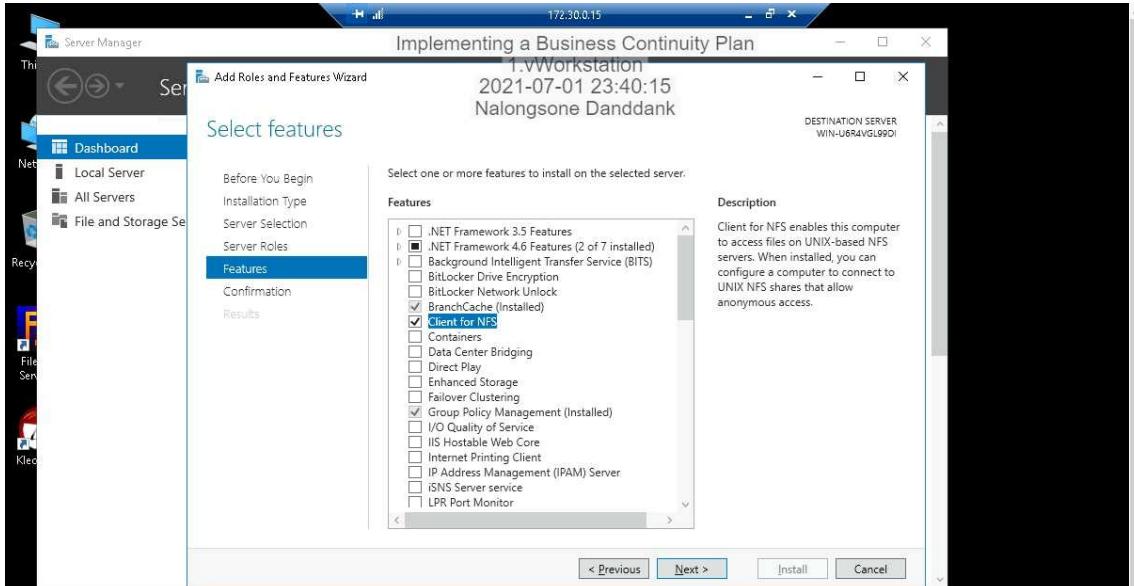
The status bar at the bottom indicates the IP address 172.30.0.15, the date and time 2021-07-01 23:36:39, and the user Nalongsone Danddank.

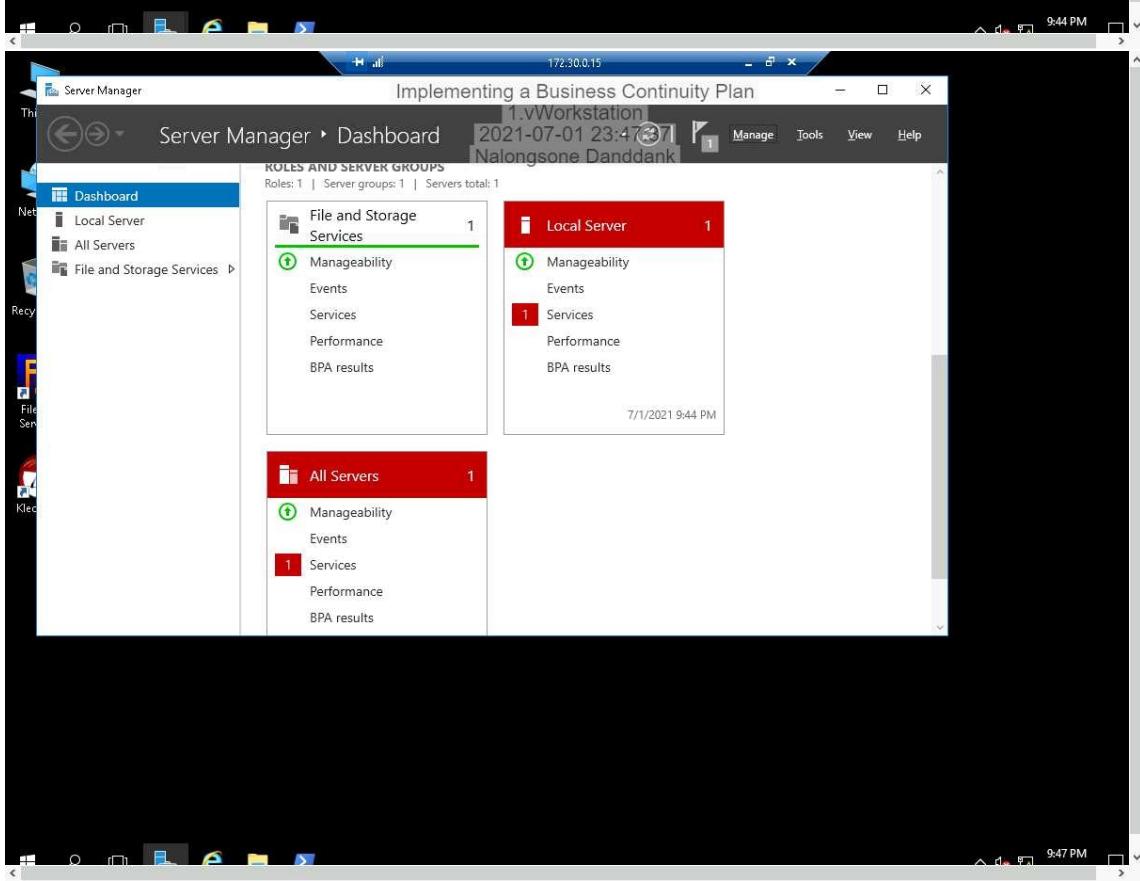
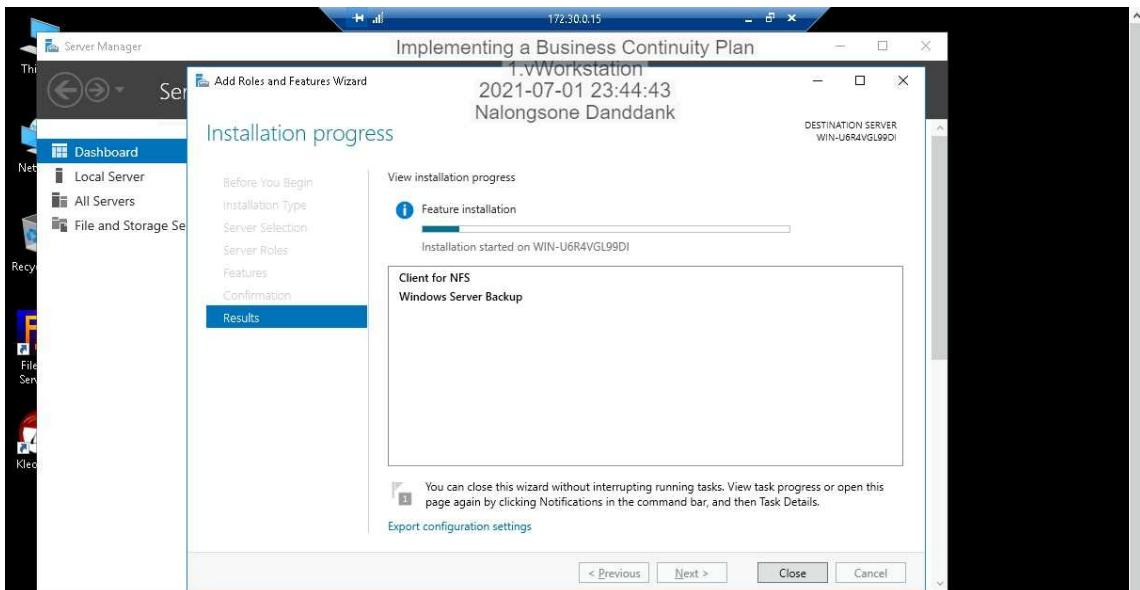
The screenshot shows the "Add Roles and Features Wizard" window titled "Select installation type". The left sidebar lists steps: "Before You Begin", "Installation Type" (selected), "Server Selection", "Features", "Confirmation", and "Results". The main pane describes the installation type options:

- Role-based or feature-based installation**
Configure a single server by adding roles, role services, and features.
- Remote Desktop Services installation**
Install required role services for Virtual Desktop Infrastructure (VDI) to create a virtual machine-based or session-based desktop deployment.

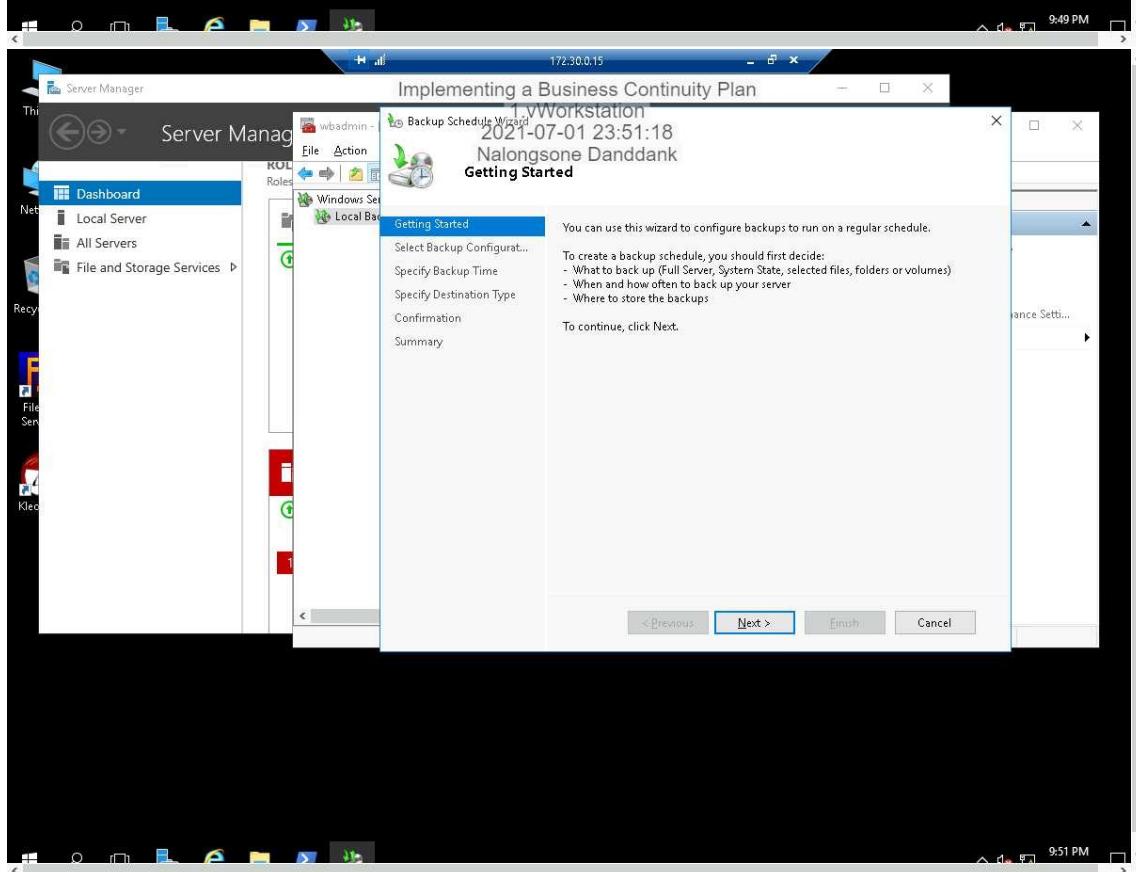
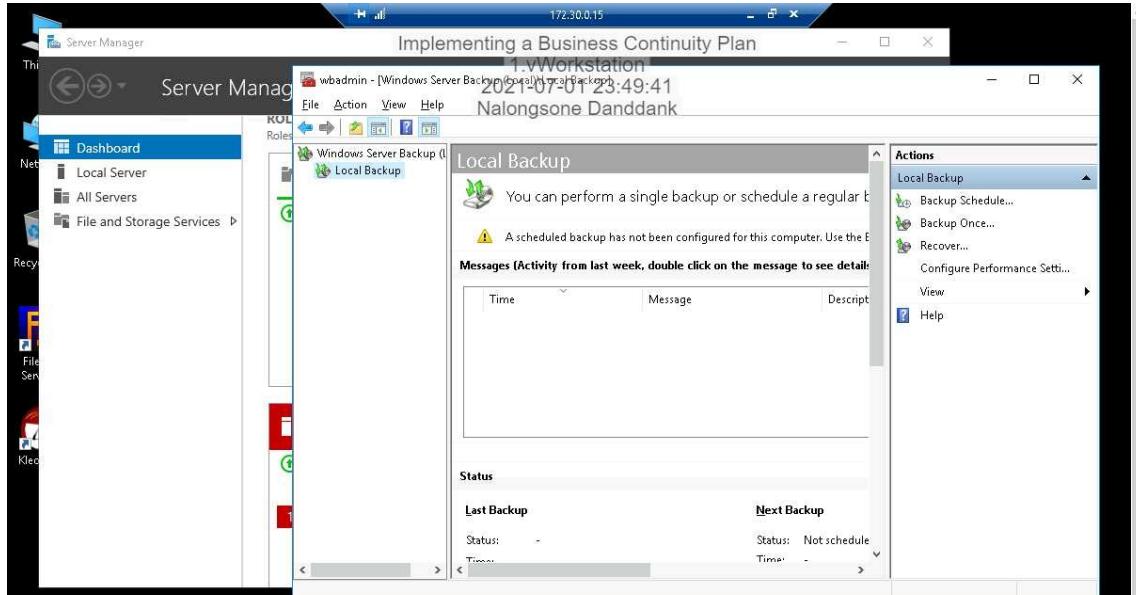
Buttons at the bottom include "< Previous", "Next >", "Install", and "Cancel". The status bar at the bottom indicates the IP address 172.30.0.15, the date and time 2021-07-01 23:37:53, and the user Nalongsone Danddank.

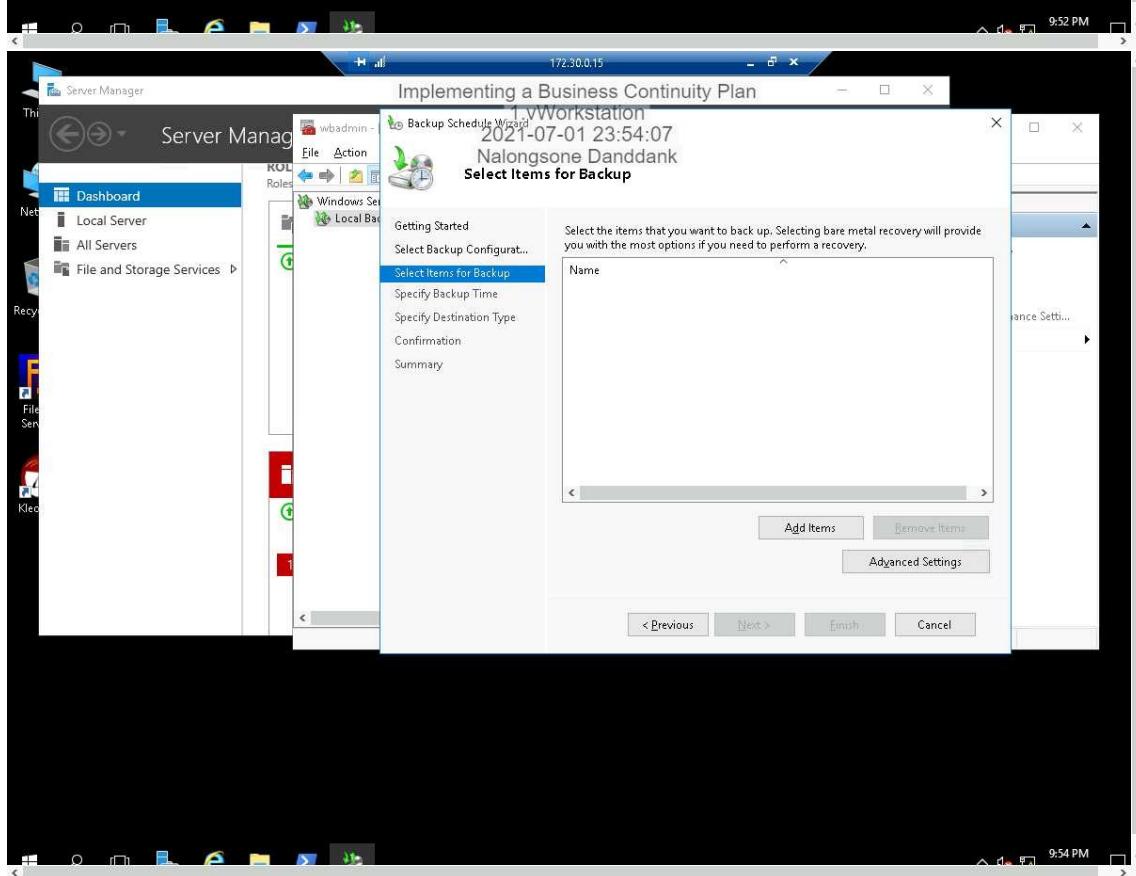
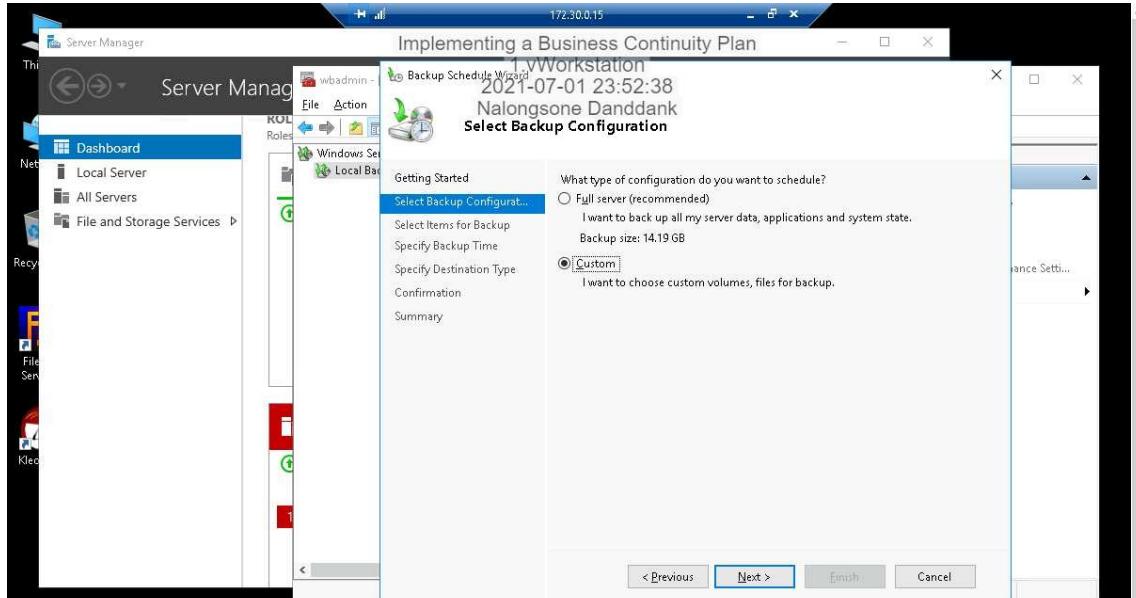


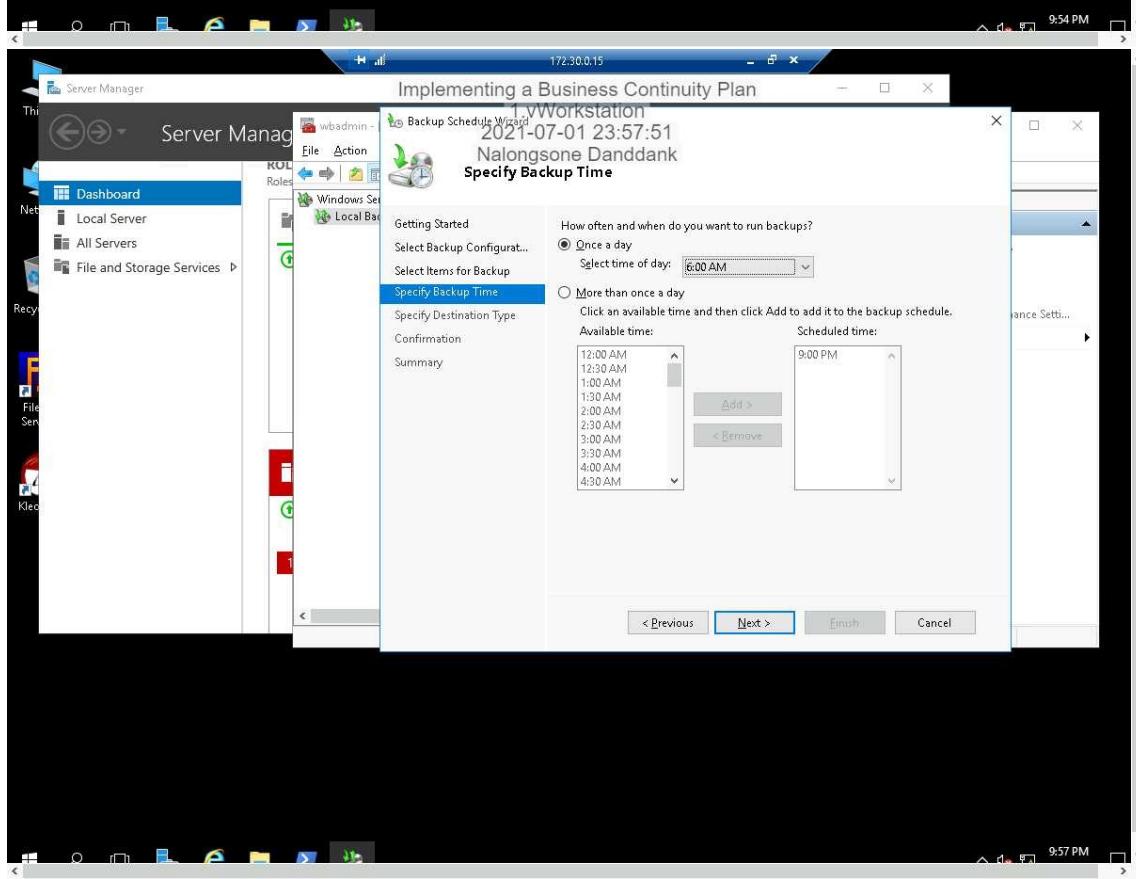
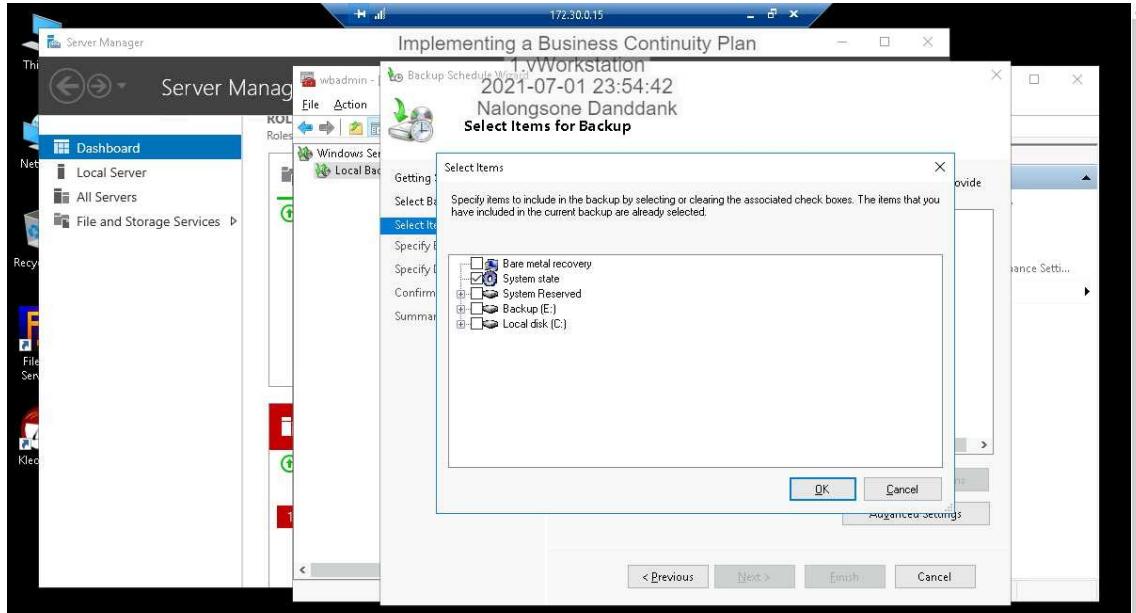


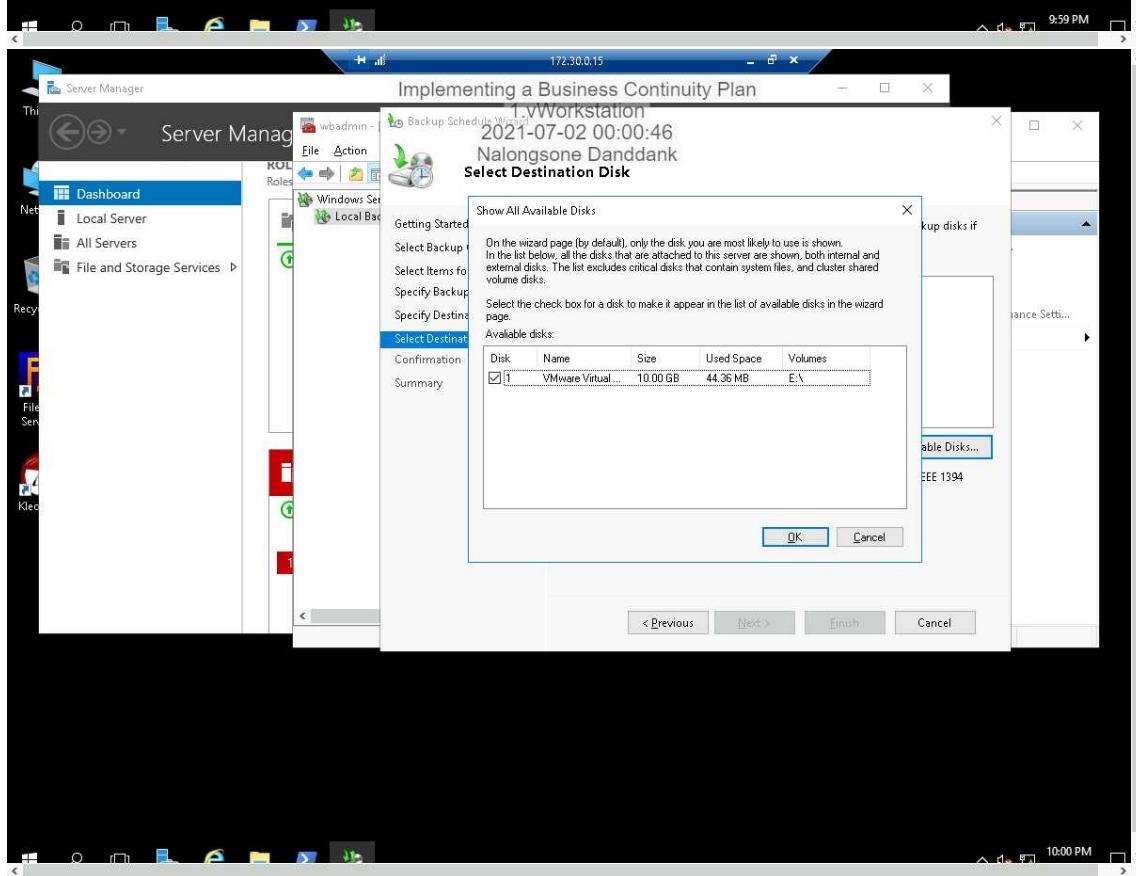
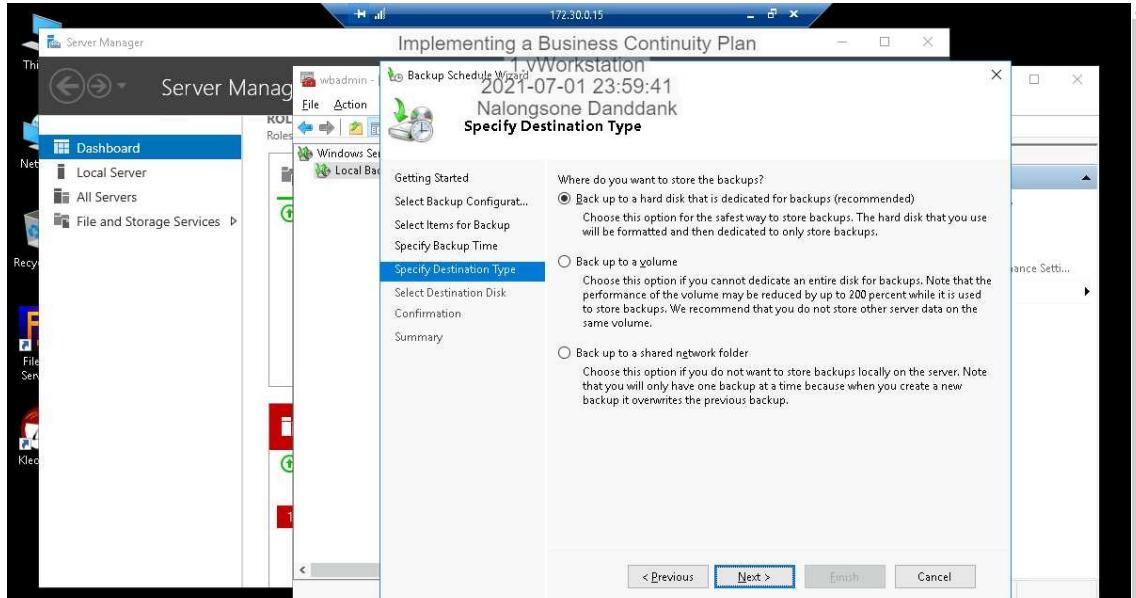


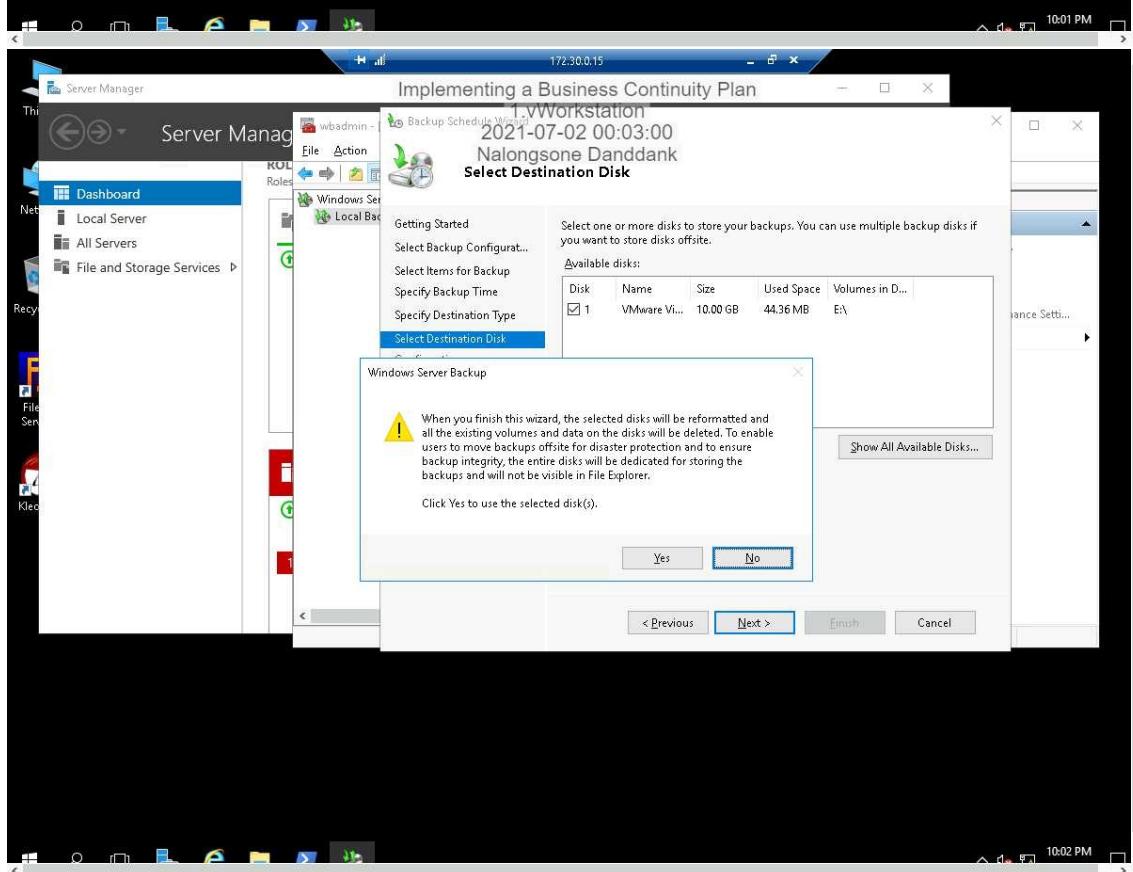
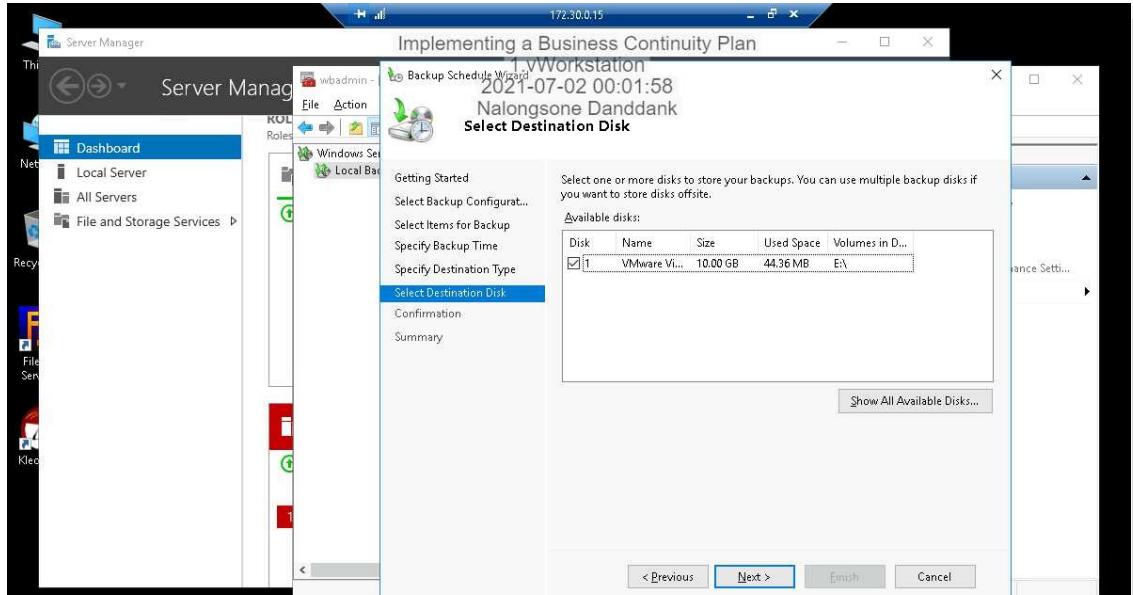
Part 2: Configure (System State) Backup.

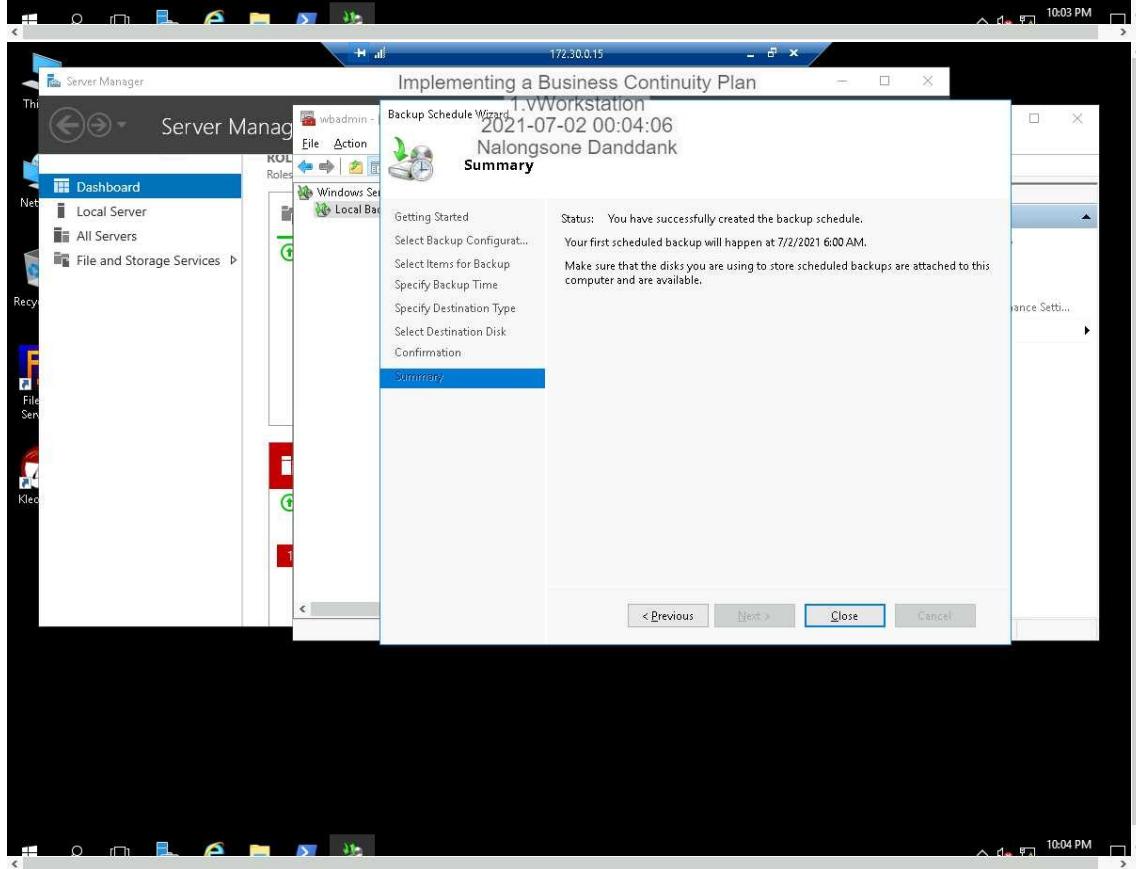
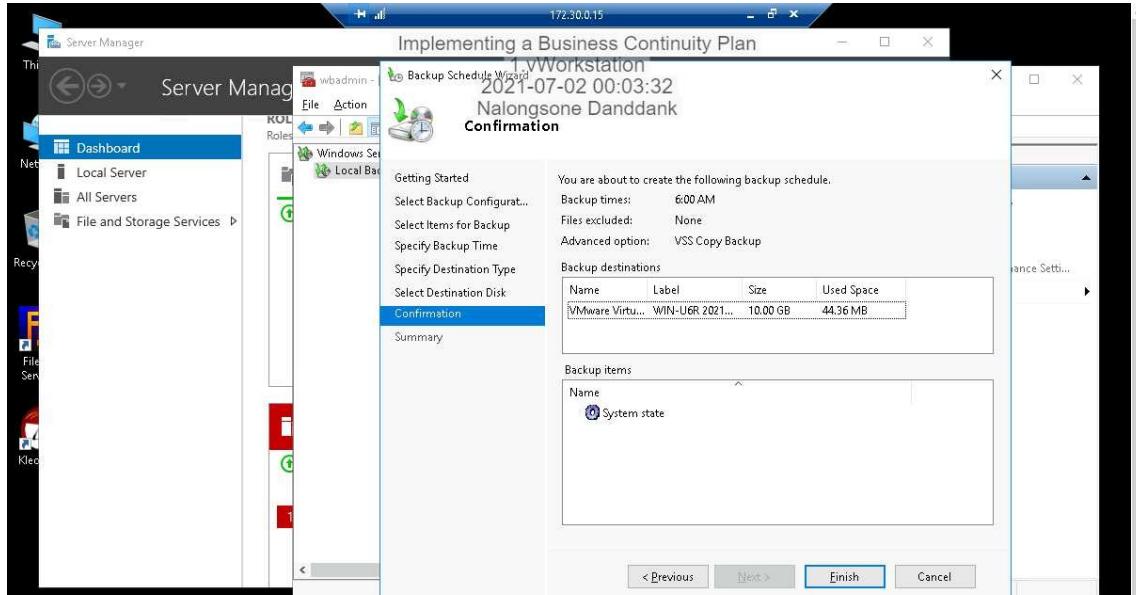


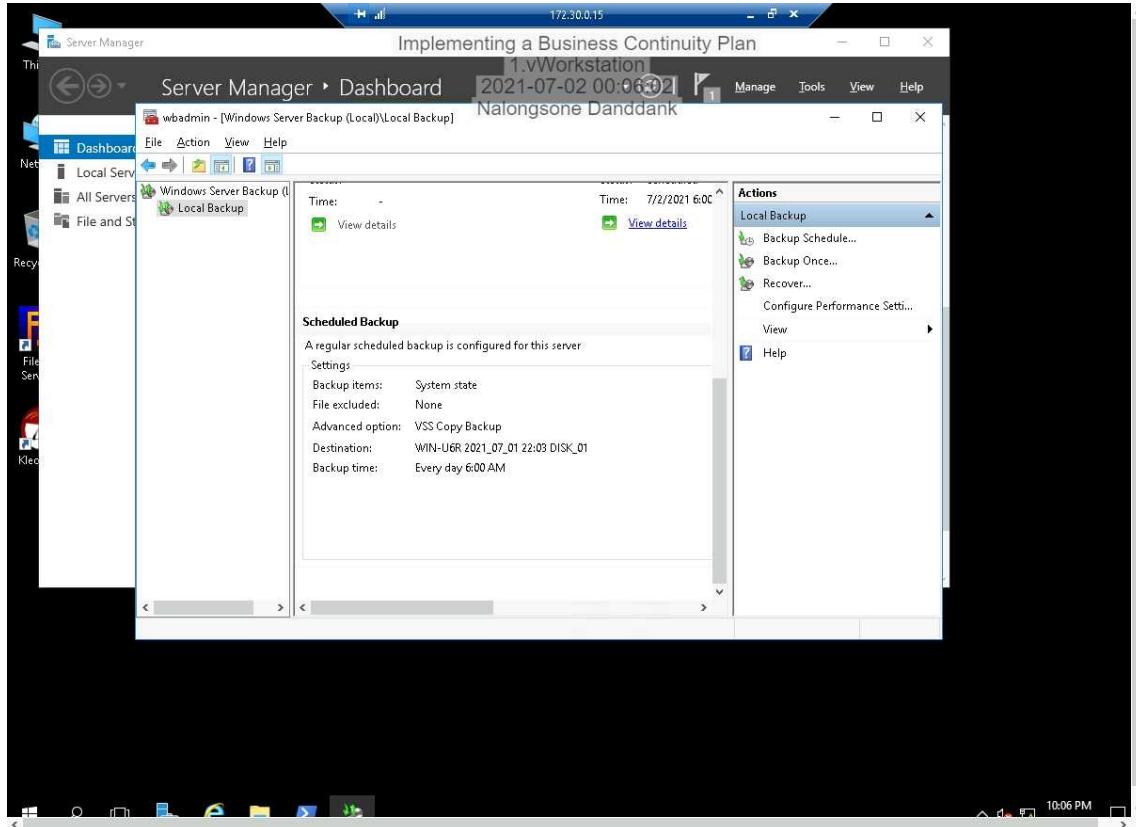












Part 3: Configure Website to use a Common NFS Share.

The screenshot shows the Internet Explorer Enhanced Security Configuration dialog. The title bar reads "res://iesetup.dll/SoftAdmin.htm Implementing a Business Continuity Plan 1.vWorkstation". The main content area displays a warning message:

Caution: Internet Explorer Enhanced Security Configuration is not enabled

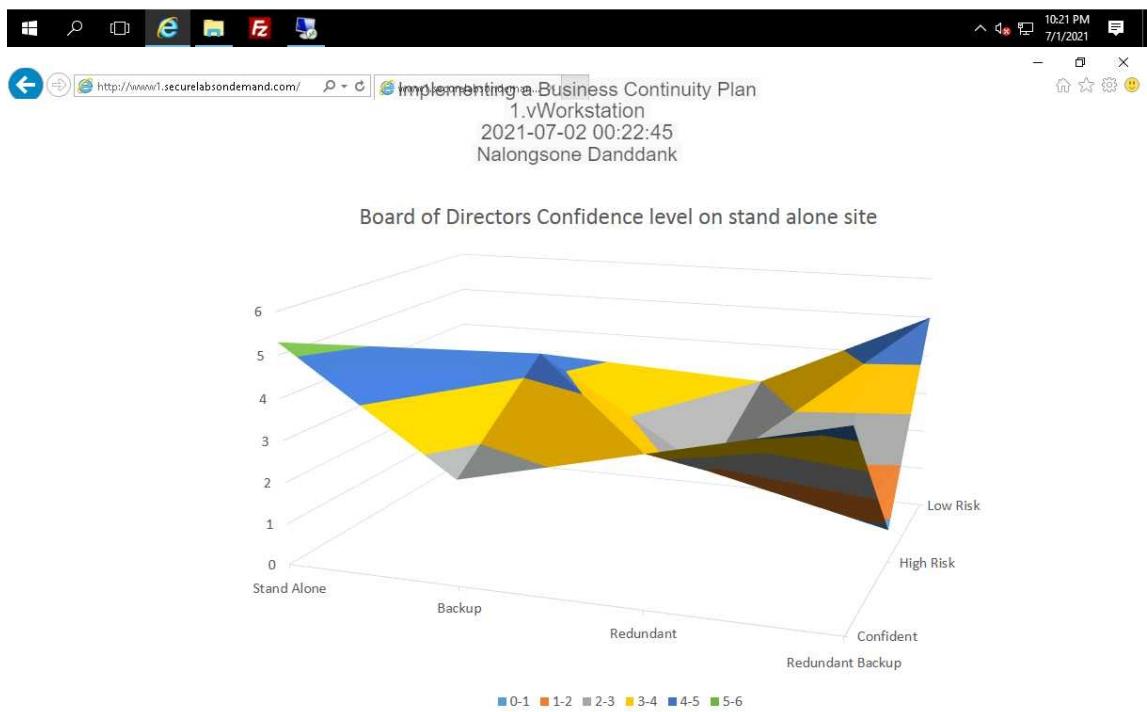
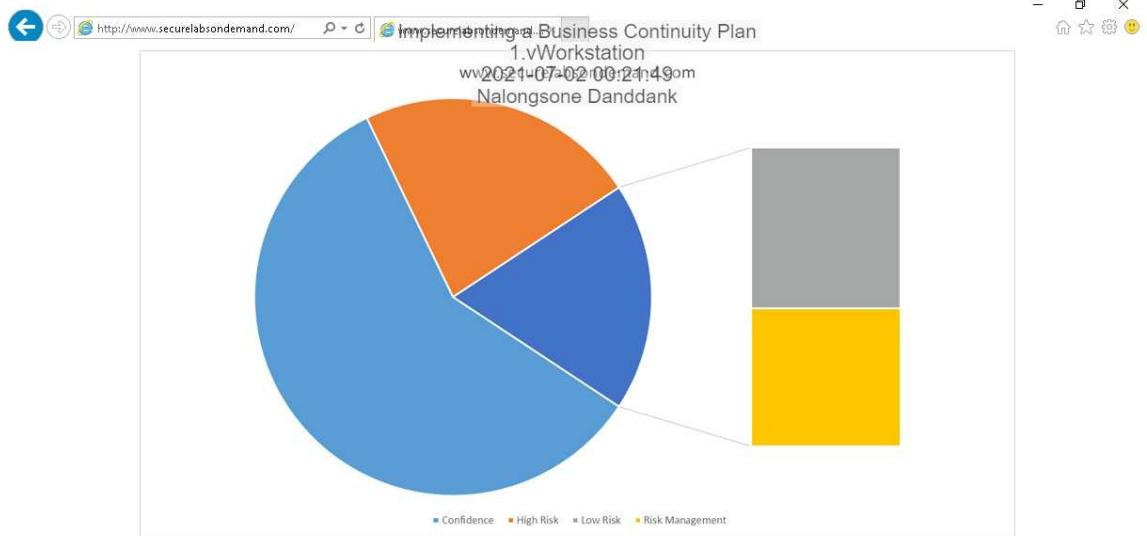
Internet Explorer Enhanced Security Configuration configures your server and Internet Explorer in a way that decreases the exposure of your server to potential attacks through Web content and application scripts. This is done by raising the default security levels on Internet Explorer security zones and changing the default settings.

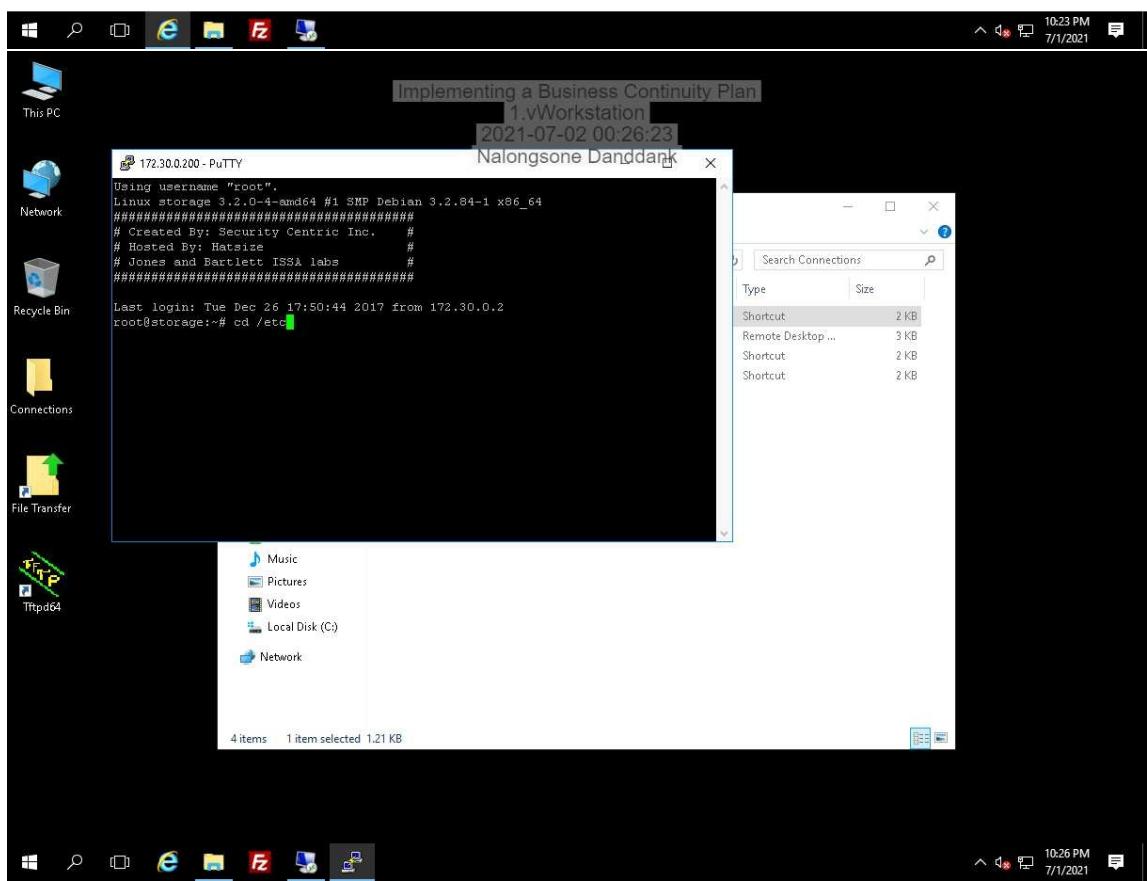
Keeping the Internet Explorer Enhanced Security Configuration enabled on your servers is recommended to help ensure that your servers are not inadvertently exposed to malware or other browser-based attacks. For more information, including the complete list of changes that are implemented by Internet Explorer Enhanced Security Configuration, see the [Internet Explorer Enhanced Security Configuration overview](#).

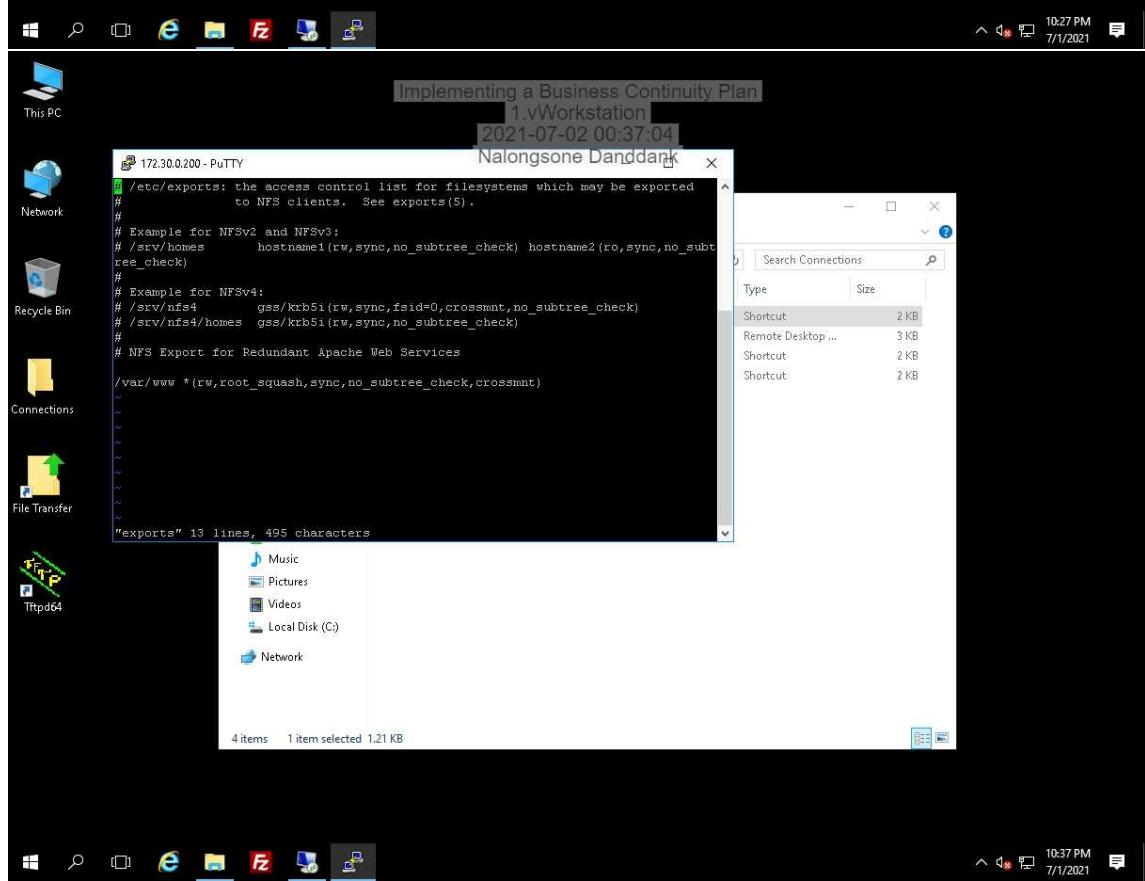
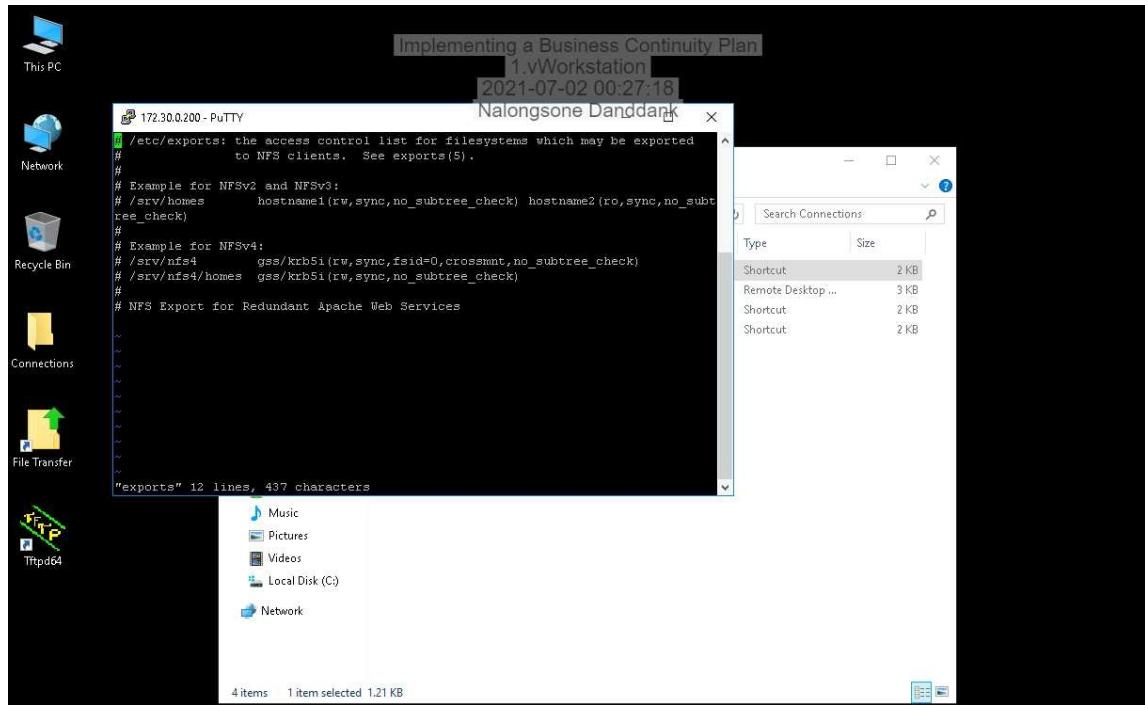
To turn on Internet Explorer Enhanced Security Configuration

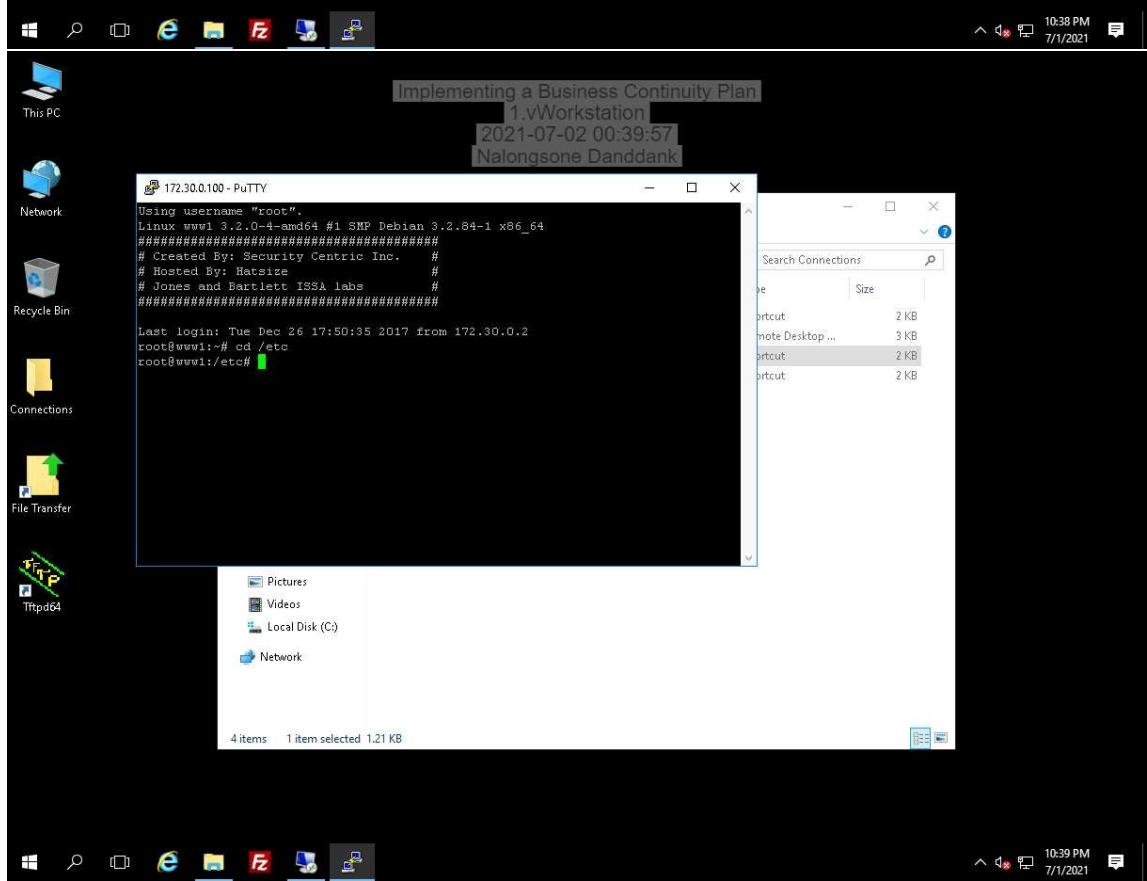
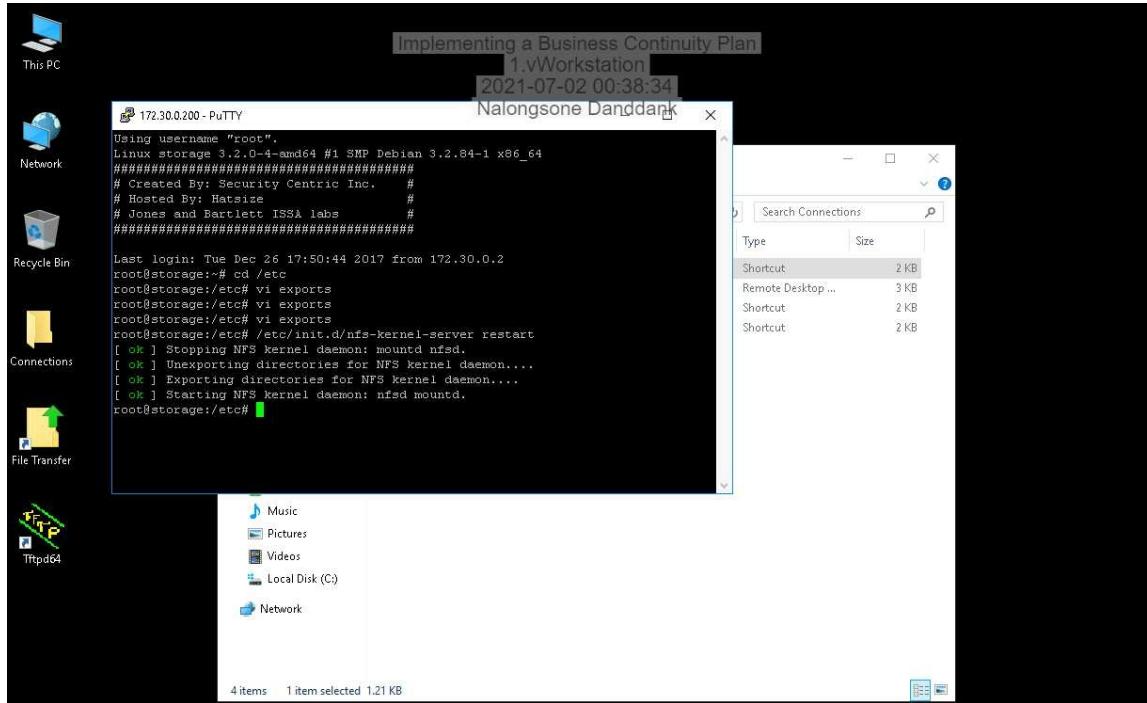
1. Close any Internet Explorer windows that you might have open.
2. Open Server Manager.
 - If your server is running Windows Server® 2008 R2, in the **Security Information** section of **Server Summary**, click **Configure IE ESC** to open the **Internet Explorer Enhanced Security Configuration** dialog.
 - If your server is running Windows Server® 2012, click **Configure this local server** to open the **Local Server** configuration page. Then, in the **Properties** area, next to **IE Enhanced Security Configuration**, click **Off** to open the **Internet Explorer Enhanced Security Configuration** dialog.
3. To use Internet Explorer Enhanced Configuration when members of the local Administrators group are logged on, under **Administrators** click **On**.
4. To use Internet Explorer Enhanced Configuration when all other users are logged on, under **Users** click **On (Recommended)**.
5. Click **OK** to apply your changes.

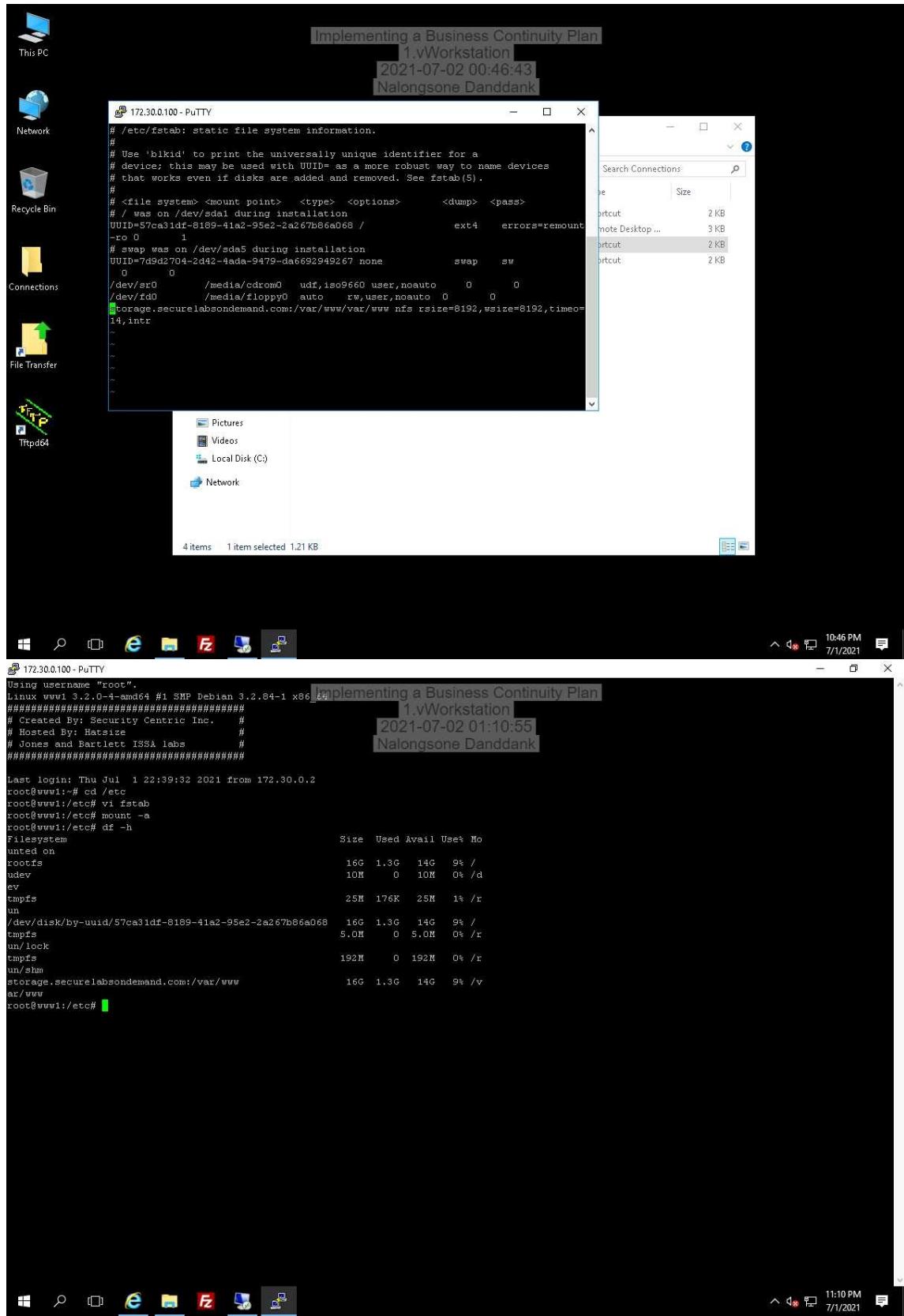
Note: Once the Internet Explorer Enhanced Configuration is turned on for both sets of users, Server Manager will display **On (Recommended)** next to Internet Explorer Enhanced Security Configuration.

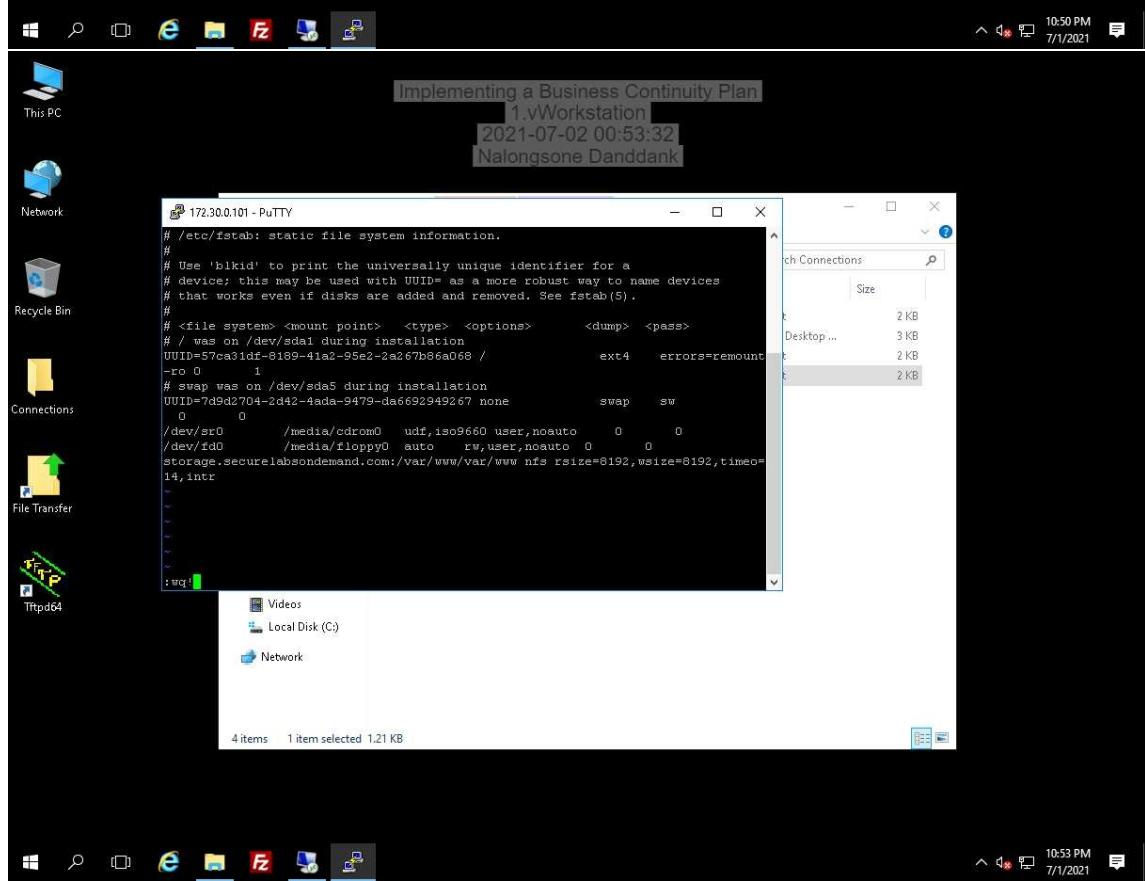
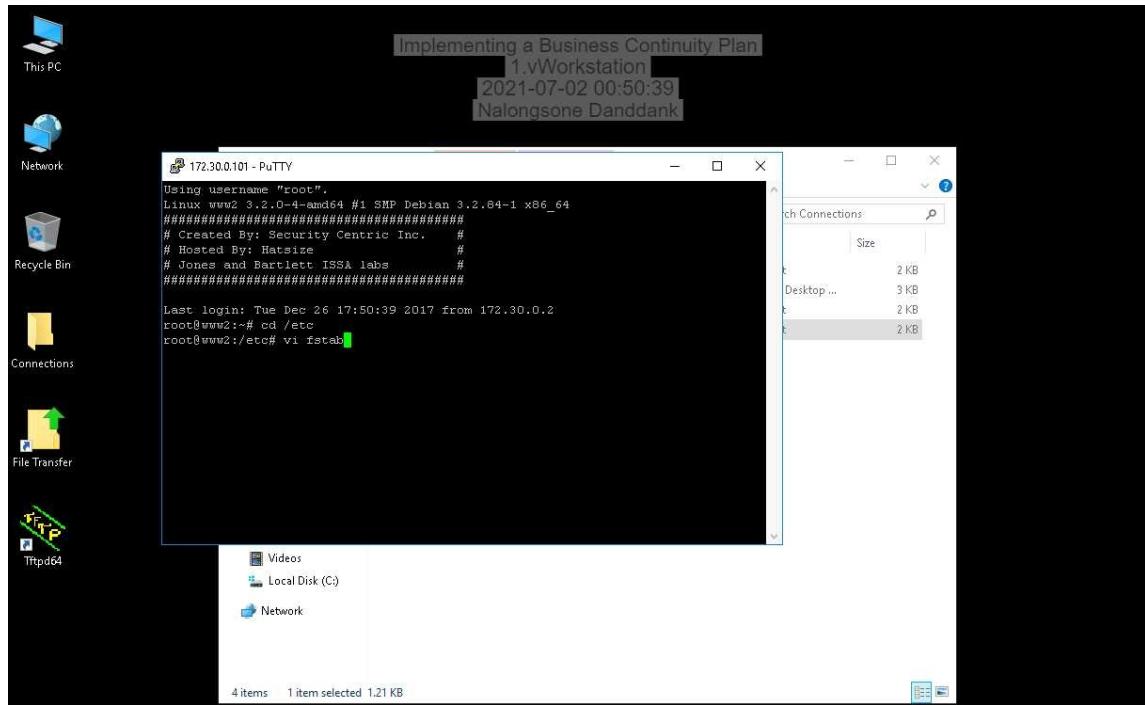










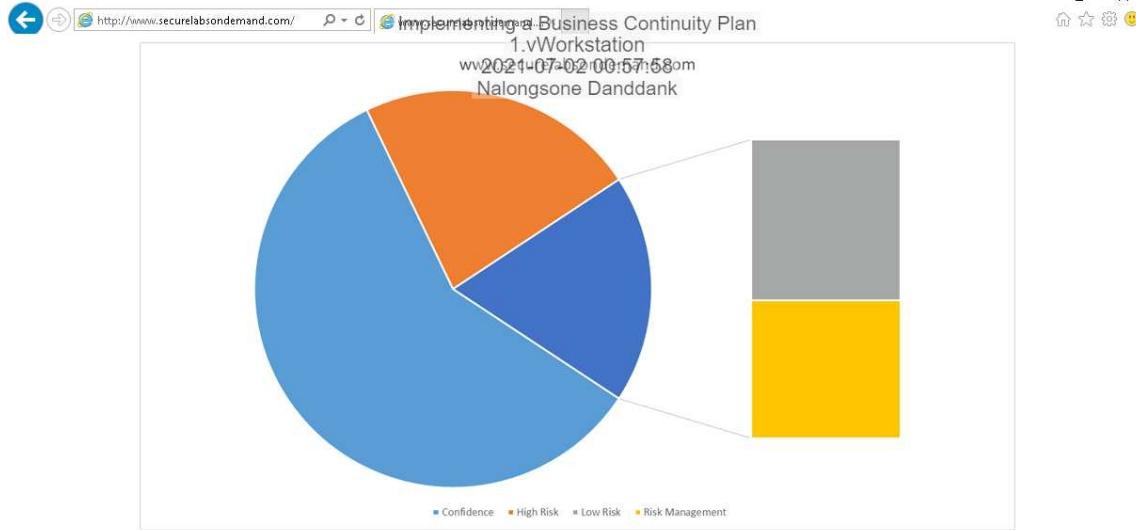


```

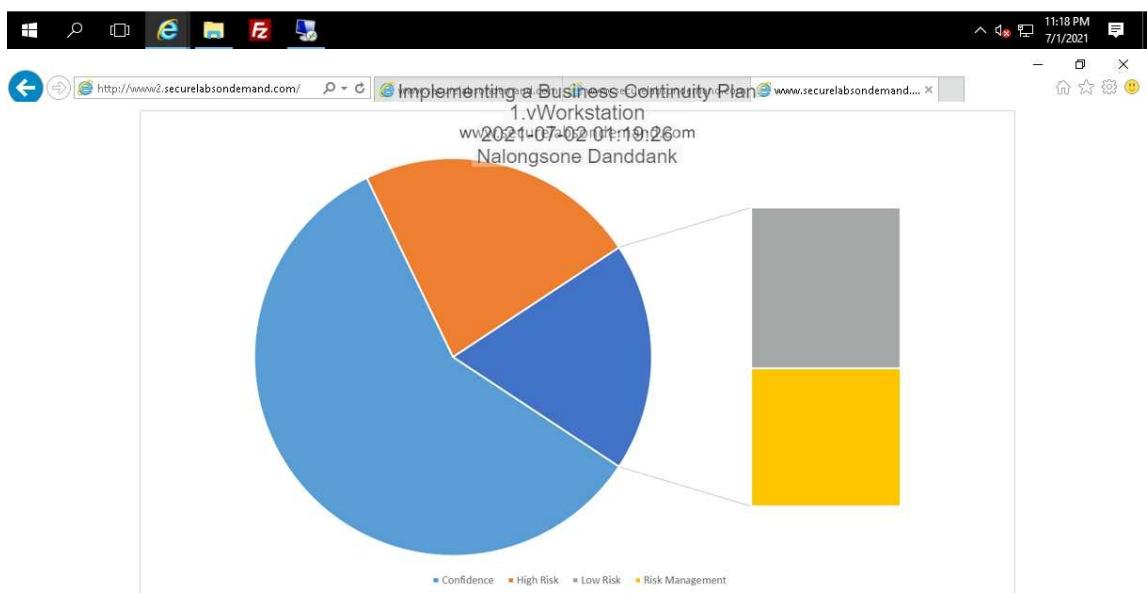
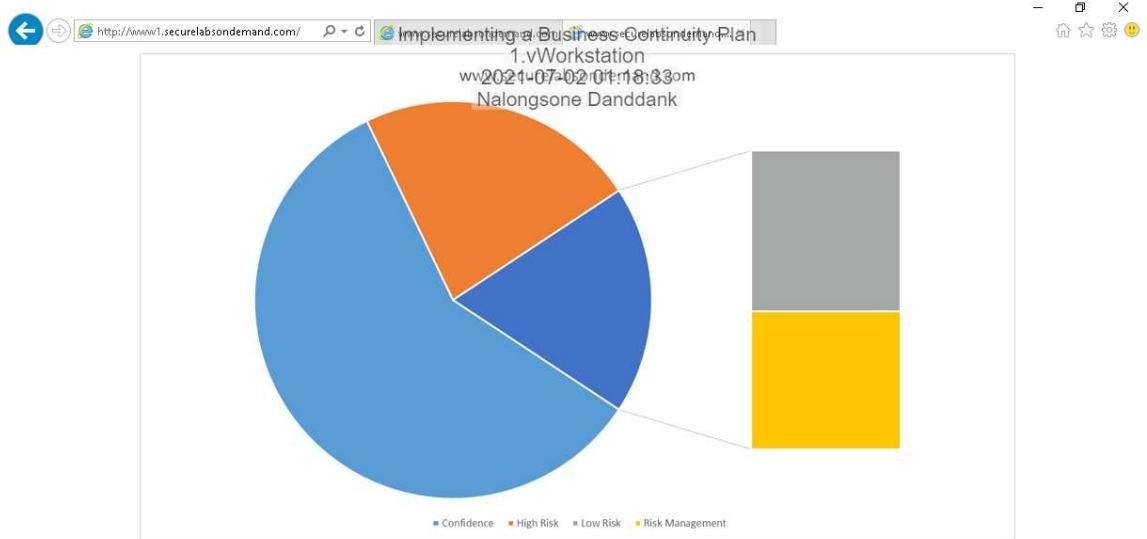
172.30.0.101 - PuTTY
Using username "root".
Linux www2 3.2.0-4- amd64 #1 SMP Debian 3.2.84-1 x86_64
#####
# Created By: Security Centric Inc. #
# Hosted By: Hatsiz #
# Jones and Bartlett ISSI labs #
#####
Last login: Thu Jul 1 22:49:57 2021 from 172.30.0.2
root@www2:~# cd /etc
root@www2:/etc# vi fstab
root@www2:/etc# mount -a
root@www2:/etc# df -h
Filesystem      Size   Used  Avail Use%  Mo
united on
rootfs          16G   1.3G   14G   9%  /
udev            10M     0    10M   0%  /d
ev
tmpfs           25M   176K   25M   1%  /r
un
/dev/disk/by-uuid/57ca31df-8189-41a2-95e2-2a267b86a068 16G   1.3G   14G   9%  /
tmpfs           5.0M     0    5.0M   0%  /r
tmpfs           192M     0   192M   0%  /r
un/shm
storage.securelabsondemand.com:/var/www
ar/www
root@www2:/etc#

```

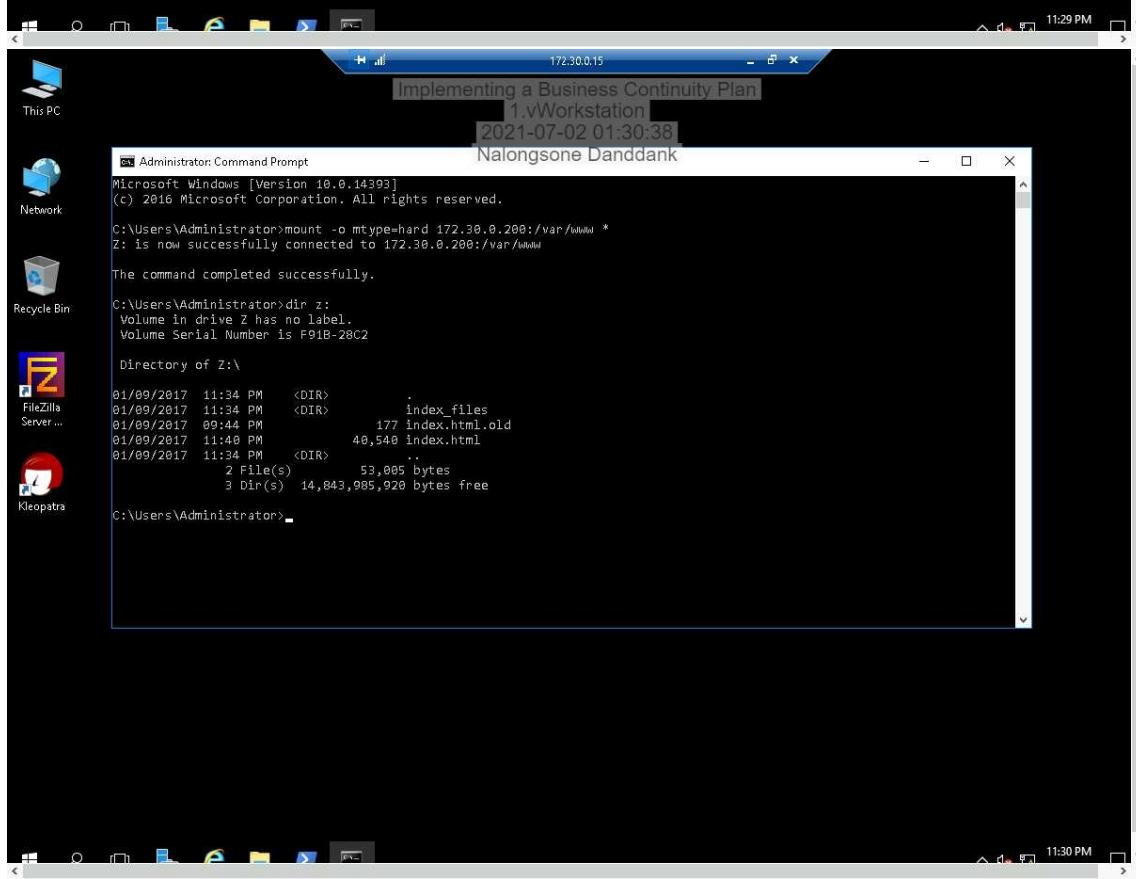
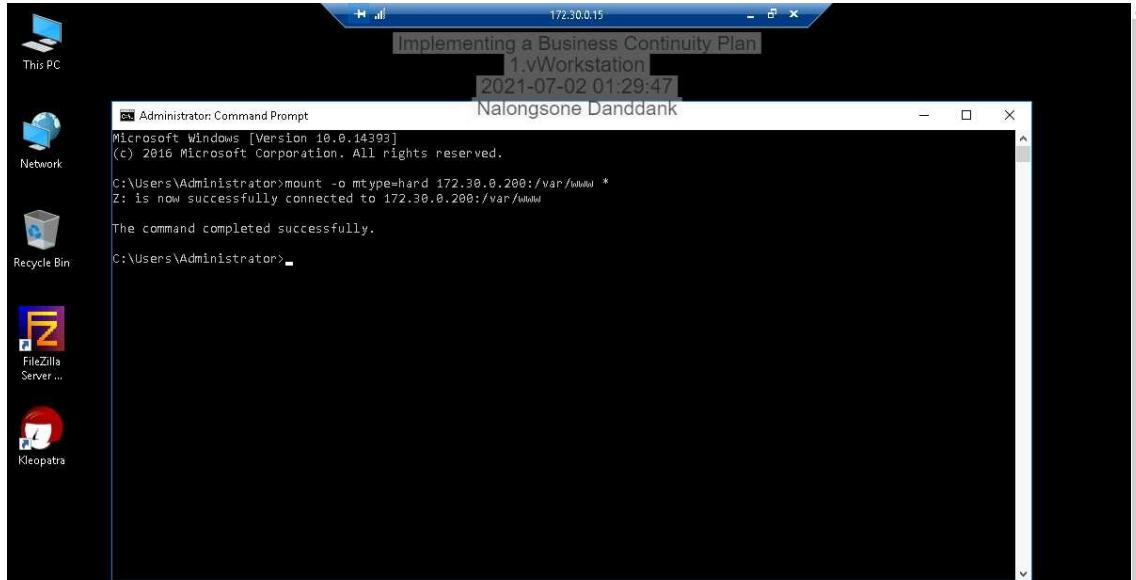
11:14 PM 7/1/2021



10:57 PM 7/1/2021

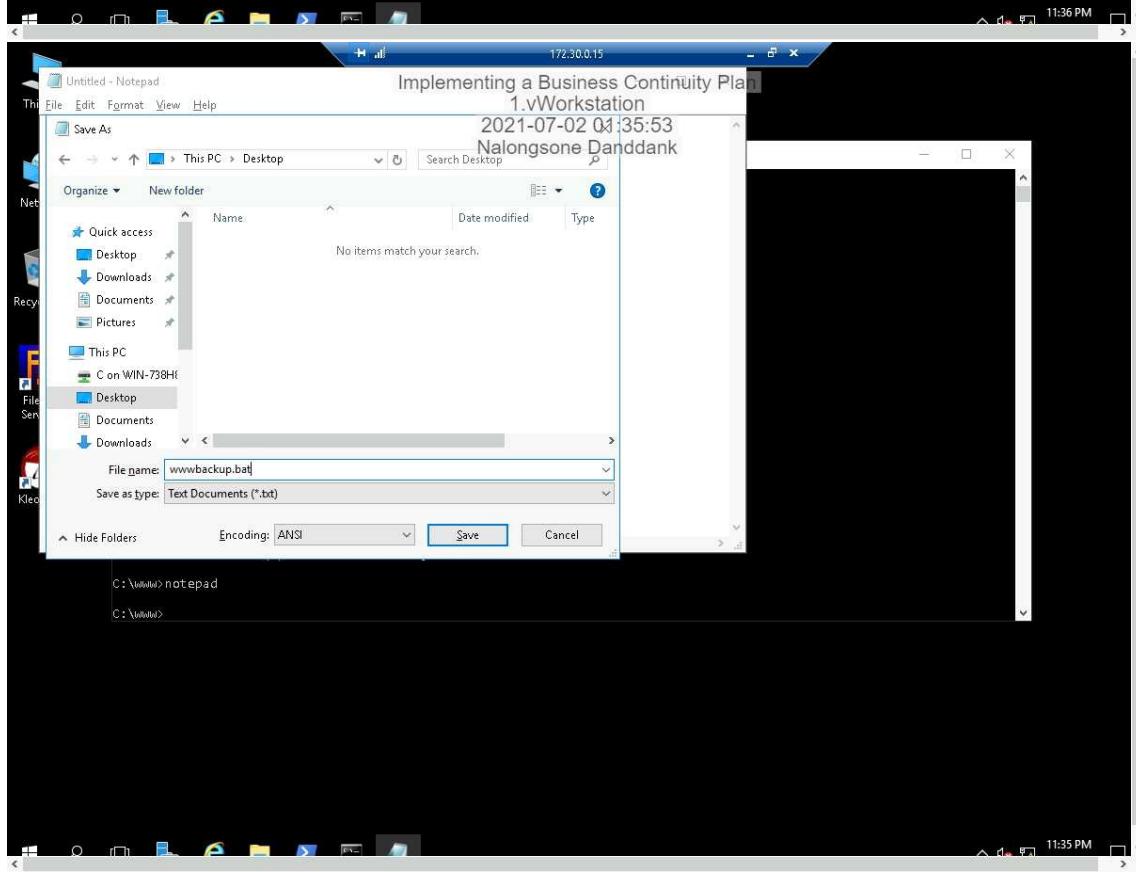
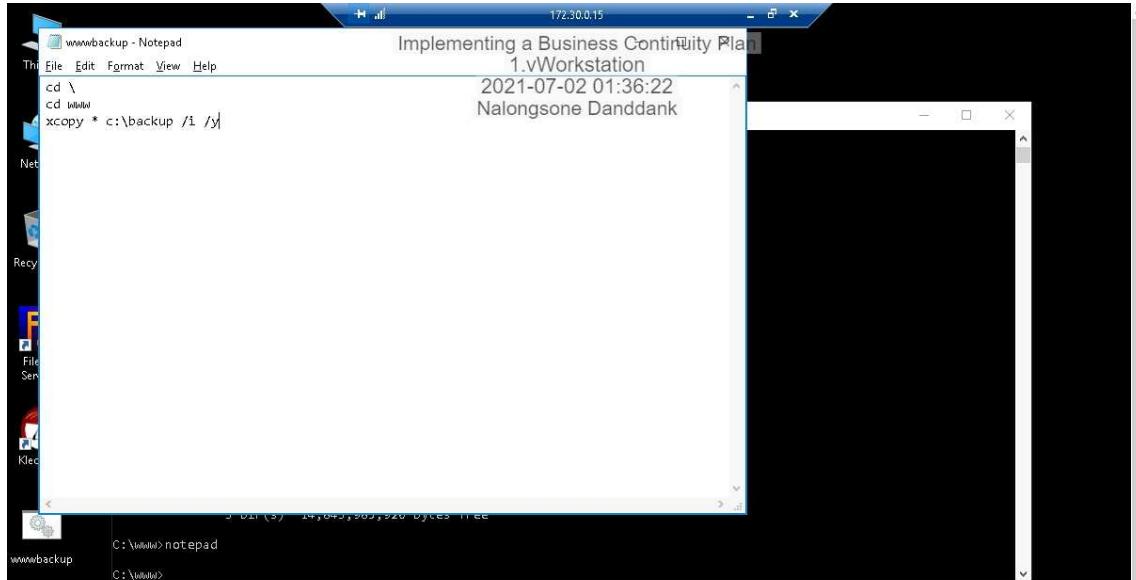


Part 4: Use Windows to Back Up the Common NFS Share.



Administrator: Command Prompt
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.
C:\Users\Administrator>mount -o mtype=hard 172.30.0.200:/var/www *
Z: is now successfully connected to 172.30.0.200:/var/www
The command completed successfully.
C:\Users\Administrator>dir z:
Volume in drive Z has no label.
Volume Serial Number is F91B-28C2
Directory of Z:\
01/09/2017 11:34 PM <DIR> .
01/09/2017 11:34 PM <DIR> index_files
01/09/2017 09:44 PM 177 index.html.old
01/09/2017 11:40 PM 40,540 index.html
01/09/2017 11:34 PM <DIR> ..
2 File(s) 53,005 bytes
3 Dir(s) 14,843,985,920 bytes free
C:\Users\Administrator>mklink /D c:\www z:
symbolic link created for c:\www <===> z:
C:\Users\Administrator>

Administrator: Command Prompt
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.
C:\Users\Administrator>dir z:
Volume in drive C has no label.
Volume Serial Number is 3007-E66E
Directory of C:\www
01/09/2017 11:34 PM <DIR> .
01/09/2017 11:34 PM <DIR> index_files
01/09/2017 09:44 PM 177 index.html.old
01/09/2017 11:40 PM 40,540 index.html
01/09/2017 11:34 PM <DIR> ..
2 File(s) 53,005 bytes
3 Dir(s) 14,843,985,920 bytes free
C:\www>



172.30.0.15 Implementing a Business Continuity Plan
1.vWorkstation 2021-07-02 01:40:49
Nalongsone Danddank

```
C:\> Administrator: Command Prompt  
C:\Users\Administrator>cd \  
C:\>> cd www  
C:\www> dir  
Volume in drive C has no label.  
Volume Serial Number is 3007-E66E  
Directory of C:\www  
01/09/2017 11:34 PM <DIR> .  
01/09/2017 11:34 PM <DIR> .. index files  
01/09/2017 09:44 PM 177 index.html.old  
01/09/2017 11:40 PM 40,540 index.html  
01/09/2017 11:34 PM <DIR> ..  
2 File(s) 53,005 bytes  
3 Dir(s) 14,843,985,920 bytes free  
  
C:\www> notepad  
  
C:\www> schtasks /create /tn "Web backup" /tr C:\users\Administrator\Desktop\wwwbackup.bat /sc daily  
WARNING: The task name "Web backup" already exists. Do you want to replace it (Y/N)? n  
INFO: Operation has been cancelled.  
  
C:\www> schtasks /create /tn "Web Backup" /tr C:\users\Administrator\Desktop\wwwbackup.bat /sc daily  
WARNING: The task name "Web Backup" already exists. Do you want to replace it (Y/N)? Y  
SUCCESS: The scheduled task "Web Backup" has successfully been created.  
C:\www>
```

172.30.0.15 Implementing a Business Continuity Plan
1.vWorkstation 2021-07-02 01:42:28
Nalongsone Danddank

```
C:\> Administrator: Command Prompt  
2 File(s) 53,005 bytes  
3 Dir(s) 14,843,985,920 bytes free  
  
C:\www> notepad  
  
C:\www> schtasks /create /tn "Web backup" /tr C:\users\Administrator\Desktop\wwwbackup.bat /sc daily  
WARNING: The task name "Web backup" already exists. Do you want to replace it (Y/N)? n  
INFO: Operation has been cancelled.  
  
C:\www> schtasks /create /tn "Web Backup" /tr C:\users\Administrator\Desktop\wwwbackup.bat /sc daily  
WARNING: The task name "Web Backup" already exists. Do you want to replace it (Y/N)? Y  
SUCCESS: The scheduled task "Web Backup" has successfully been created.  
  
C:\www> schtasks /run /tn "Web Backup"  
SUCCESS: Attempted to run the scheduled task "Web Backup".  
  
C:\www> dir c:\backup  
Volume in drive C has no label.  
Volume Serial Number is 3007-E66E  
Directory of c:\backup  
07/01/2021 11:41 PM <DIR> .  
07/01/2021 11:41 PM <DIR> ..  
01/09/2017 11:40 PM 40,540 index.html  
01/09/2017 09:44 PM 177 index.html.old  
2 File(s) 48,717 bytes  
2 Dir(s) 27,582,283,776 bytes free  
C:\www>
```

This PC

Network

Recycle Bin

FileZilla Server ...

Kleopatra

wwwbackup

Administrator: Command Prompt

Implementing a Business Continuity Plan
1.vWorkstation
2021-07-02 01:44:00
Nalongsone Danddank

```
C:\www>dir c:\backup
Volume in drive C has no label.
Volume Serial Number is 3007-E66E

Directory of c:\backup

07/01/2021  11:41 PM    <DIR>          .
07/01/2021  11:41 PM    <DIR>          ..
01/09/2017  11:40 PM           40,540 index.html
01/09/2017  09:44 PM           177 index.html.old
               2 File(s)      40,717 bytes
               2 Dir(s)  27,582,283,776 bytes free

C:\www>dir
Volume in drive C has no label.
Volume Serial Number is 3007-E66E

Directory of C:\www

01/09/2017  11:34 PM    <DIR>          .
01/09/2017  11:34 PM    <DIR>          index_files
01/09/2017  09:44 PM           177 index.html.old
01/09/2017  11:40 PM           40,540 index.html
01/09/2017  11:34 PM    <DIR>          ..
               2 File(s)      53,005 bytes
               3 Dir(s)  14,843,985,920 bytes free

C:\www>
```

End.