**Screenshot of IT infrastructure upgrade project at Anzac Airport**

1. **Server Configuration.**
2. Domain controller anz-dc-01.

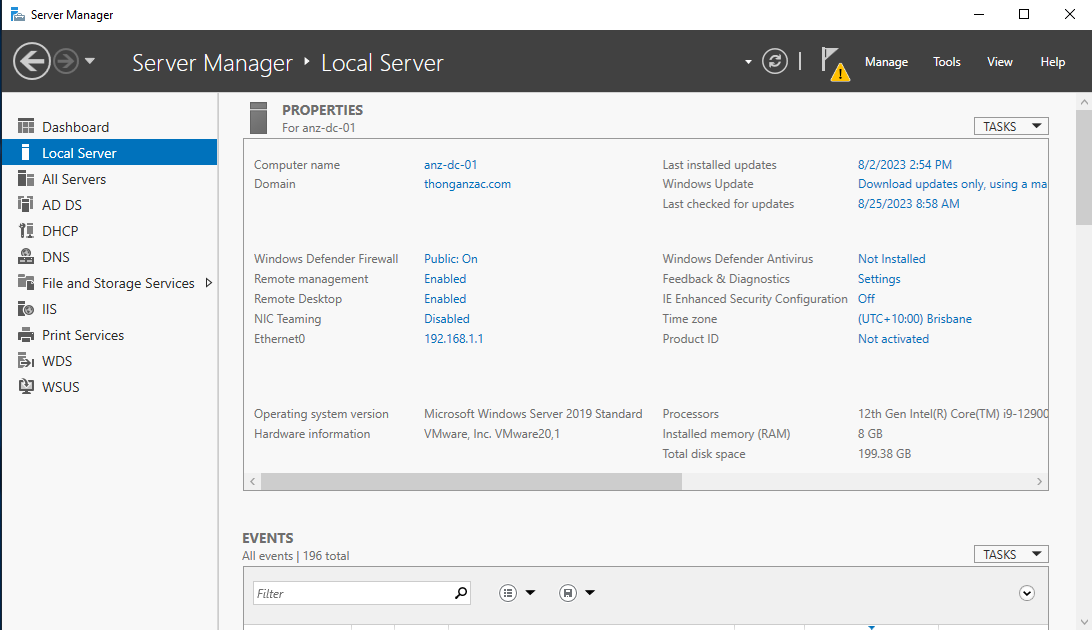


Figure 1 Primary DC01

1. Join all the servers including non-Windows servers to domain.

* Join domain from anz-dc-02.

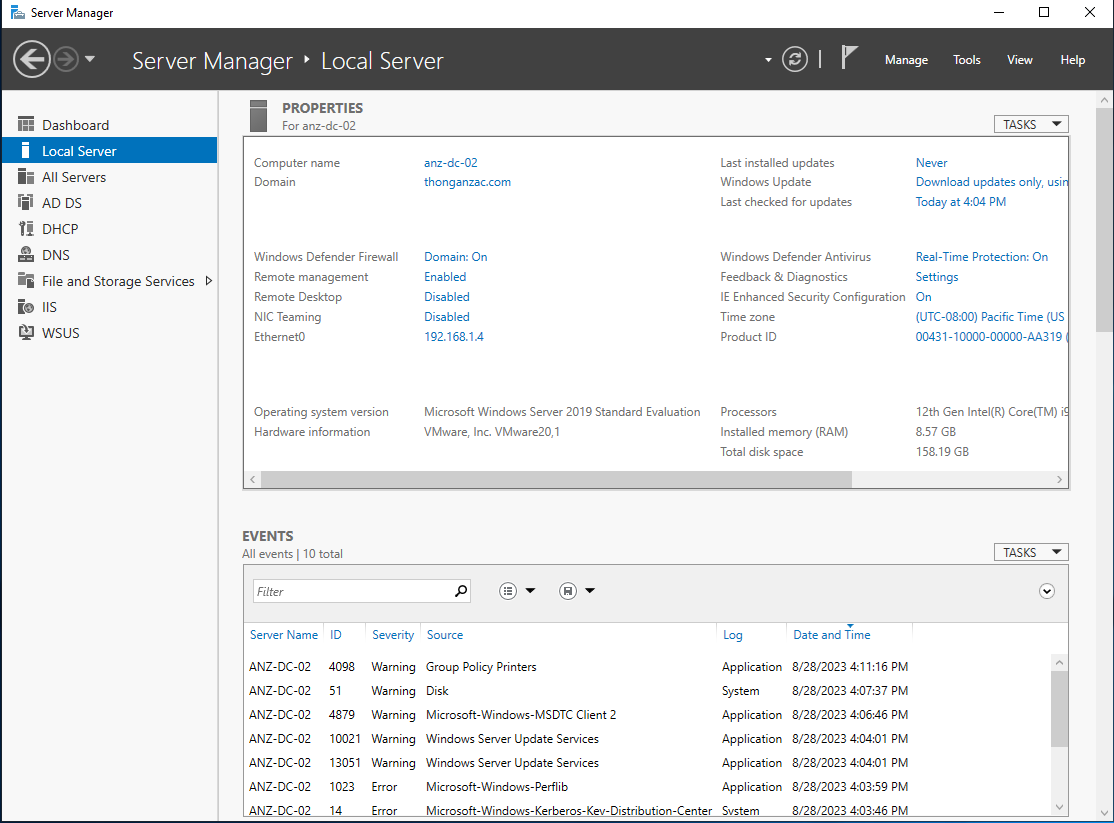


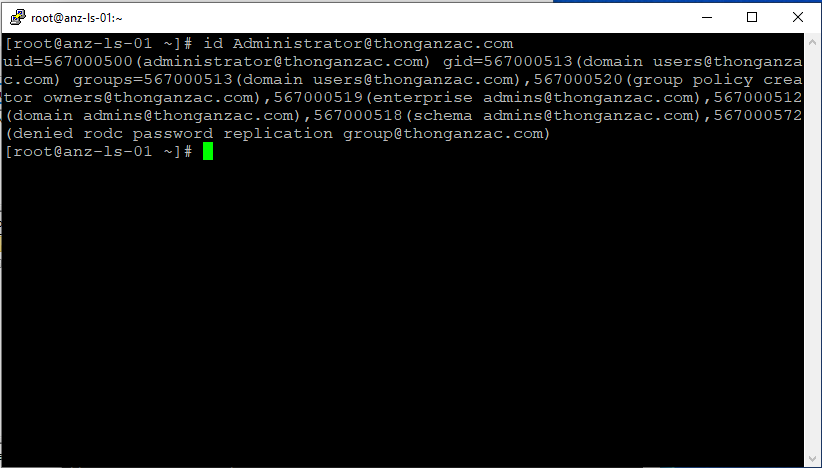
Figure 2 Secondary DC02

* Join domain from Fedora Linux

A screen shot of a computer

Description automatically generated

Figure 3 Join domain non-Windows (Fedora)



1. Join Workstation to the domain.

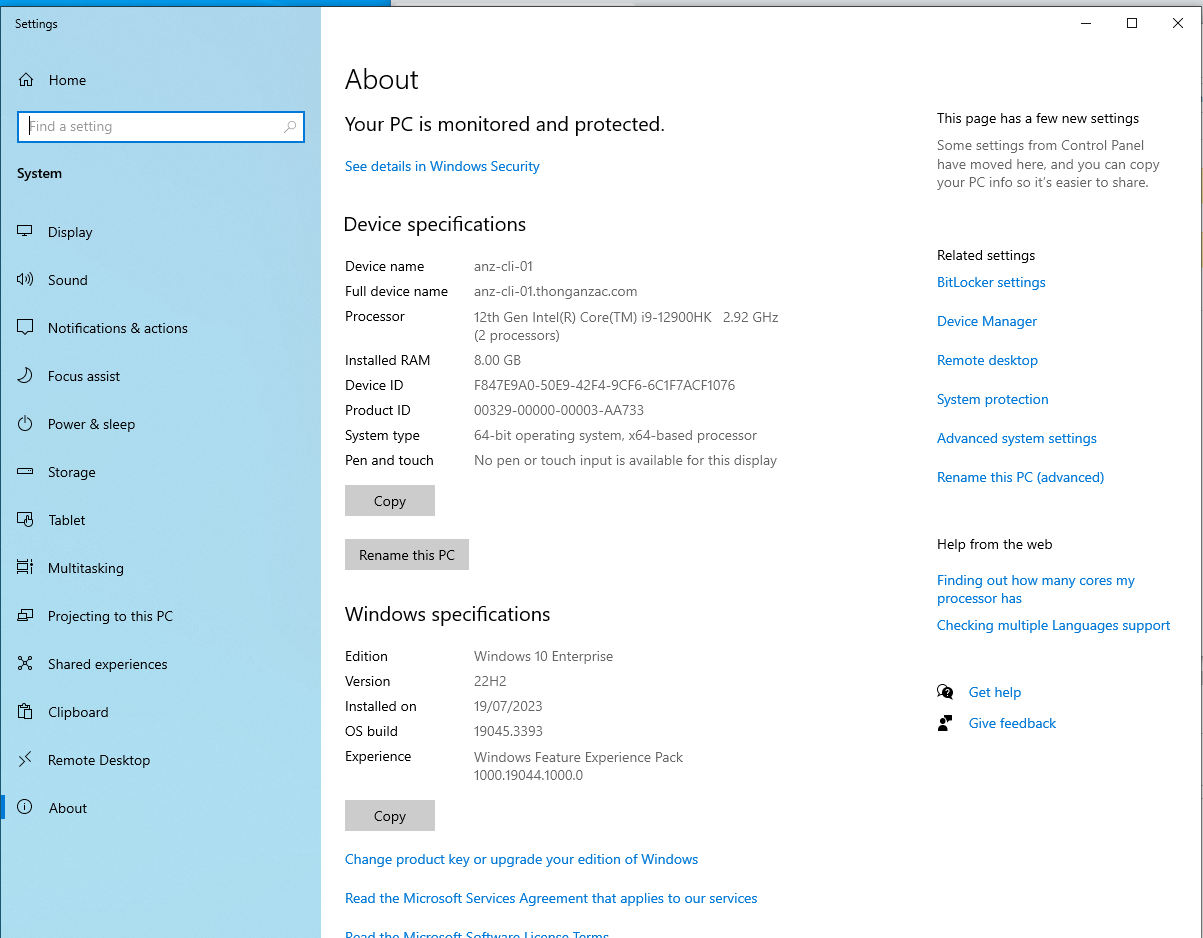


Figure 4 Join domain Windows Client

1. Create Active Directory OUs, Users.

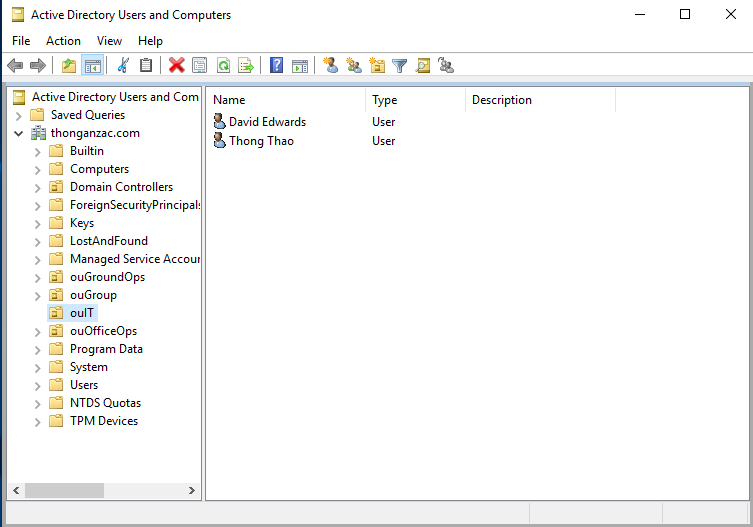


Figure 5 Organizations and Users

1. DHCP.

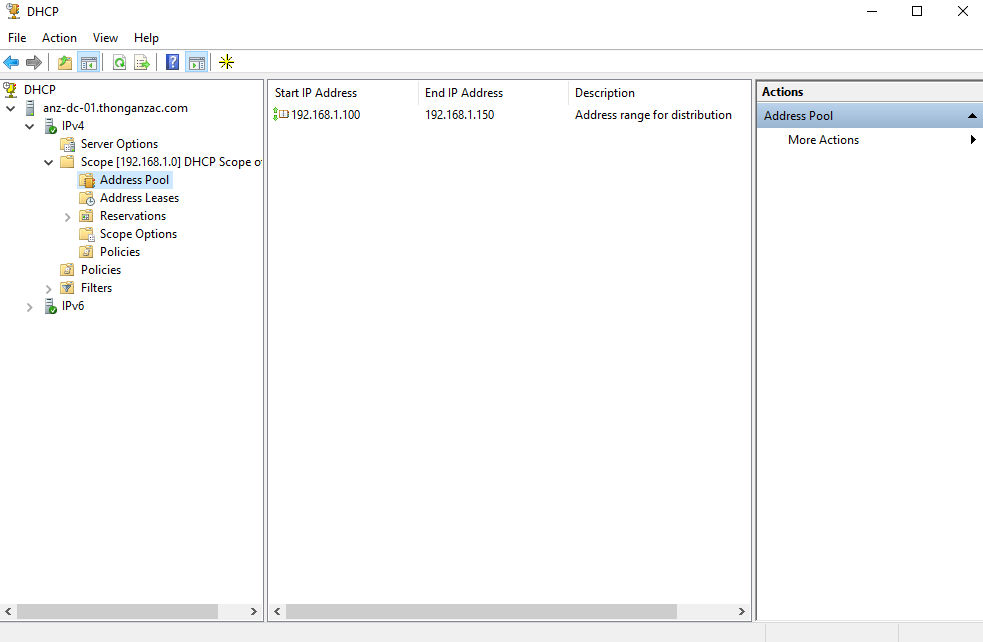


Figure 6 DCHP Server

1. DNS.

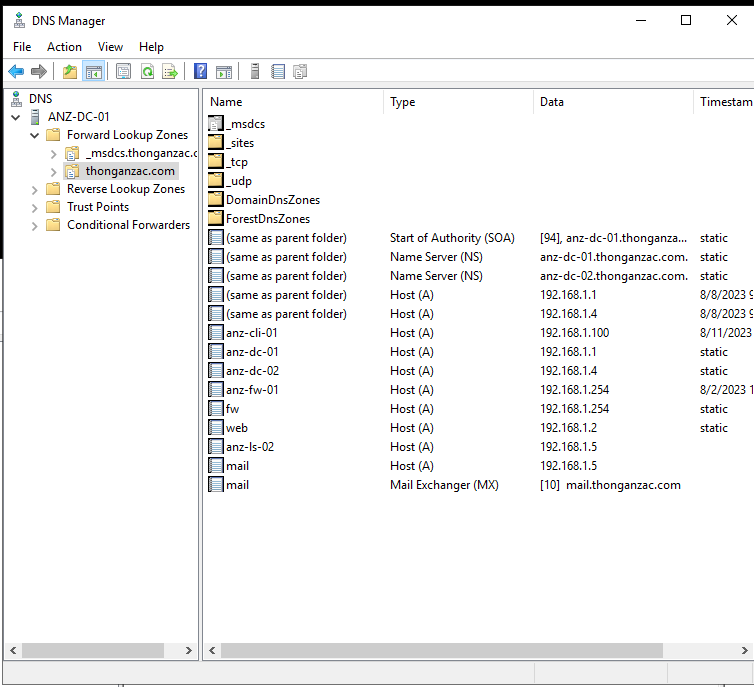


Figure 7 DNS Server

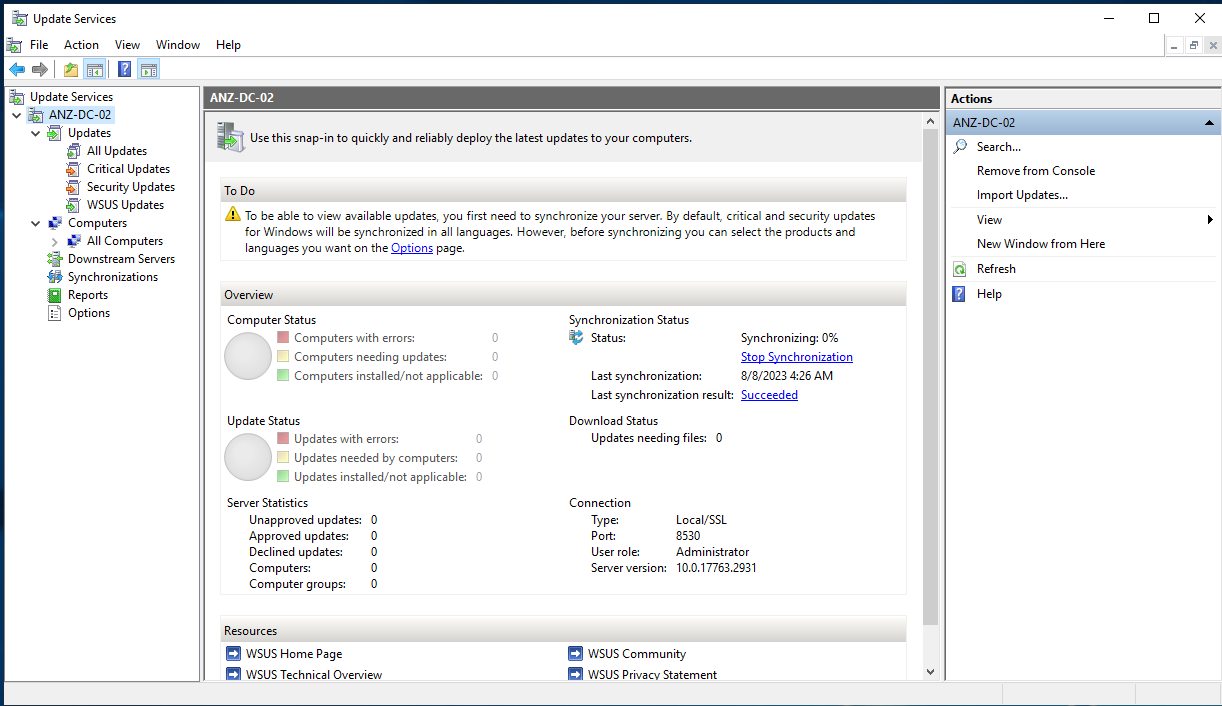
1. Windows Server Update Services.

Figure 8 Windows Server Update Services in DC02

1. Backup and restore.

* Back up.

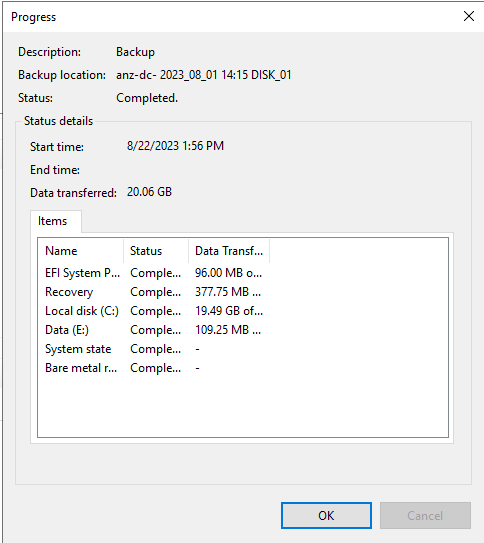


Figure 9 Backup Full Volum in DC01

* Restore

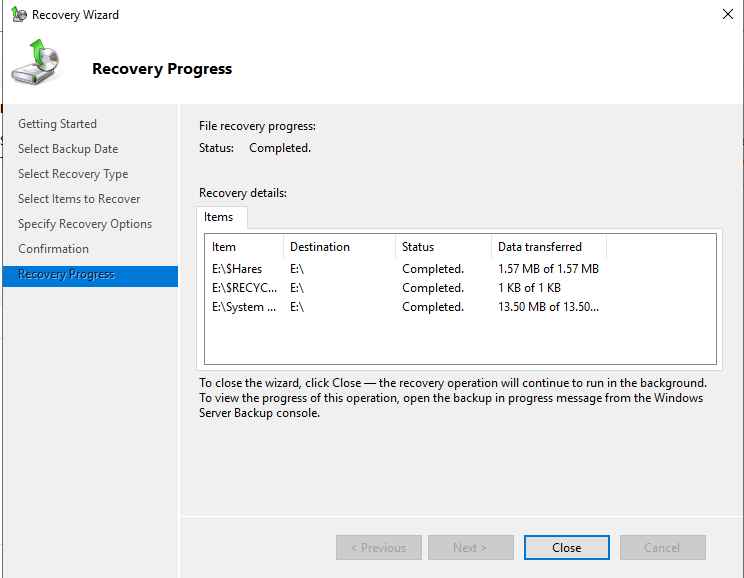


Figure 10 Recovery Completed

1. Folder Structure.

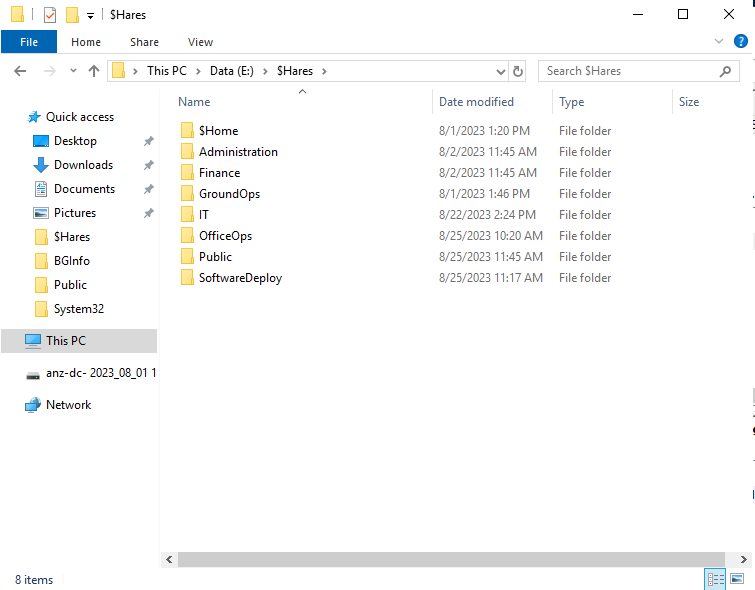


Figure 11 Folders for sharing to each department

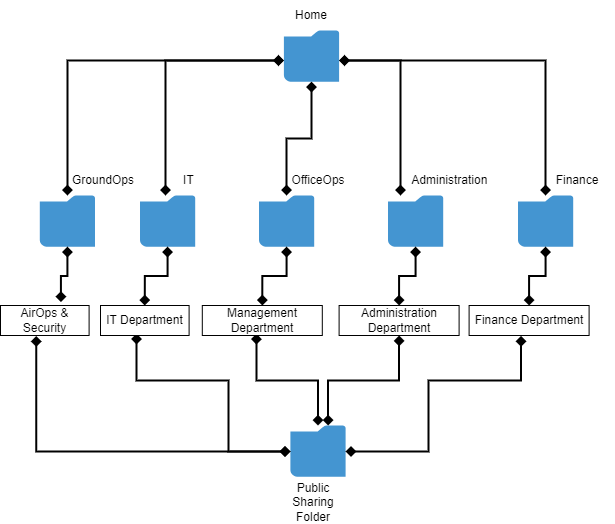


Figure 12 Folder Structure

1. Windows Firewall to disable ping and Linux Firewall.

* Firewall Disabled ping packet

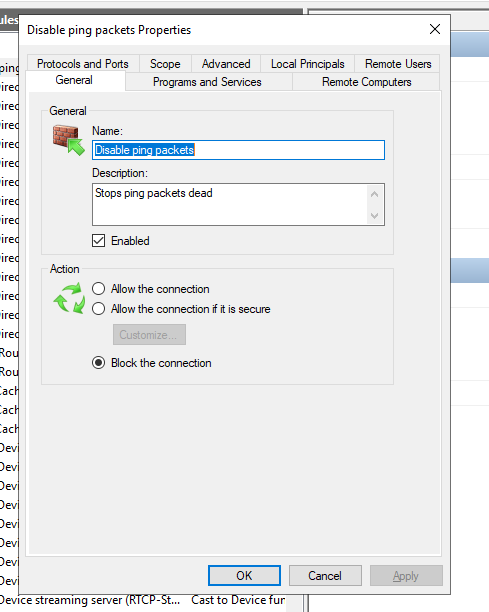


Figure 13 Firewall disabled ping packet

* Linux Firewall

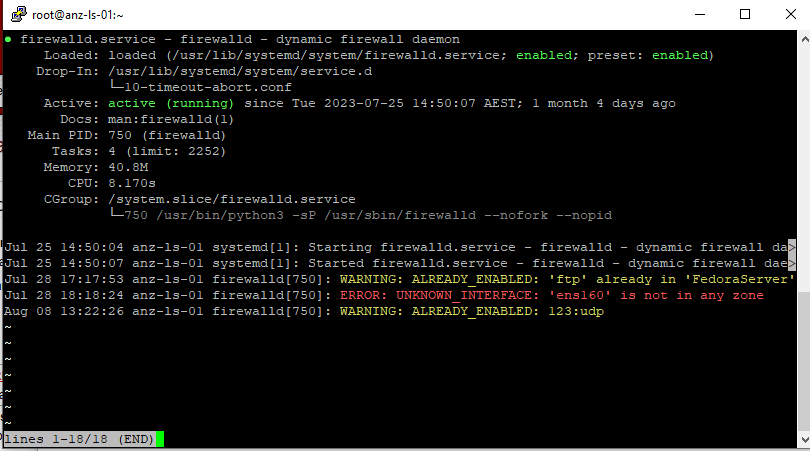


Figure 14 Firewall Status in Fedora Linux

1. File/Folder Sharing between different server platforms.

* Windows Server

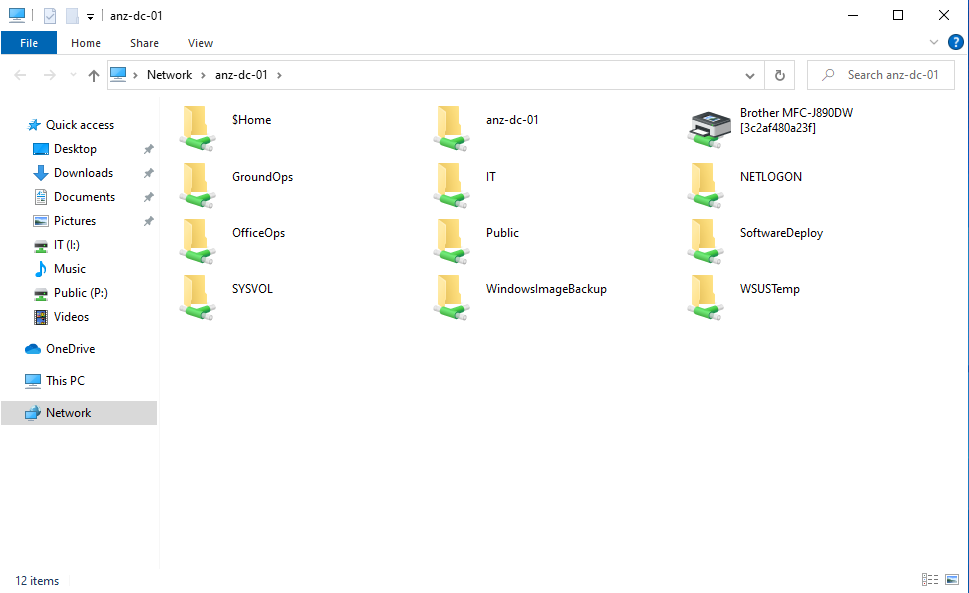


Figure 15 Folder sharing in Windows Server

* Linux Server

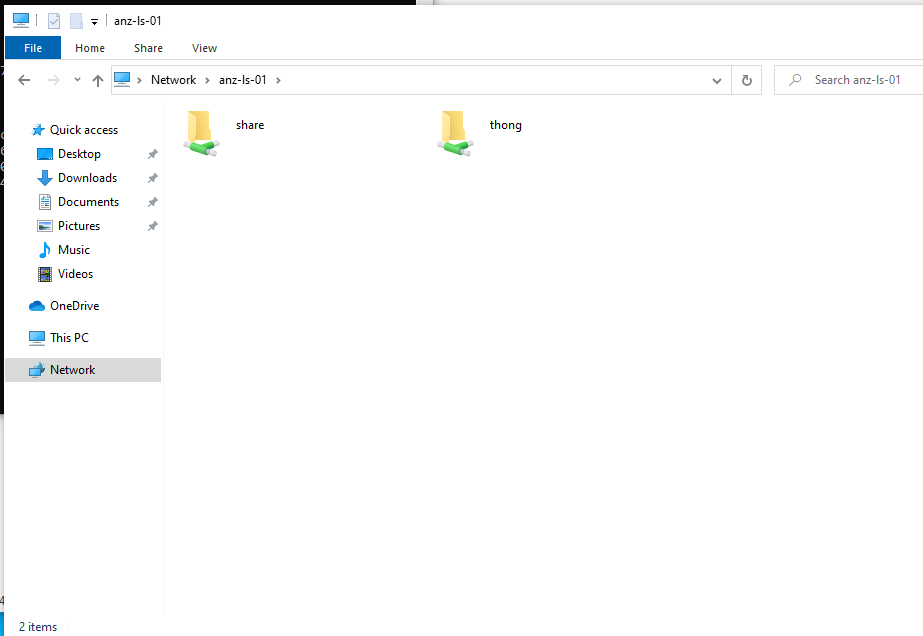


Figure 16 Folder Sharing in Fedora Linux

1. Printer and deploy by using group policy.

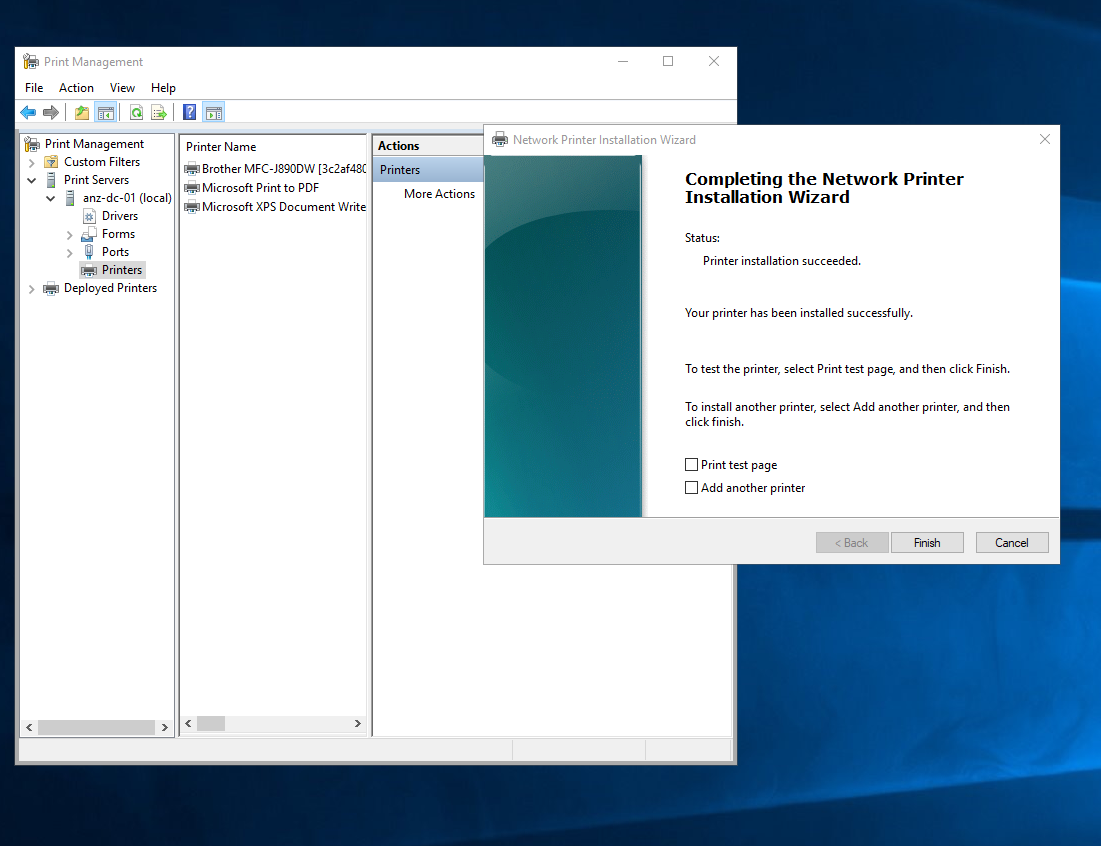


Figure 17 Completing Printer Server

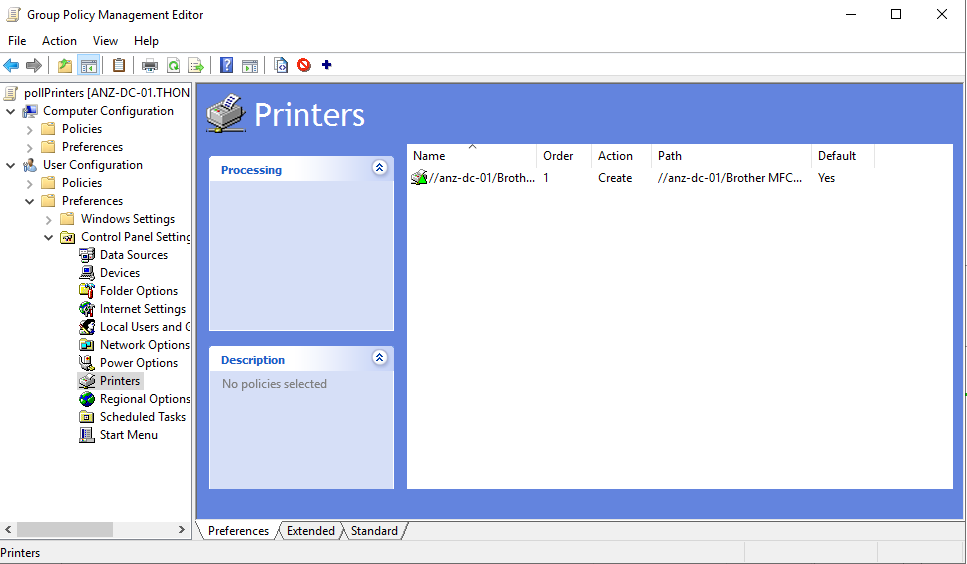


Figure 18 Printer policy

1. Proxy Server.

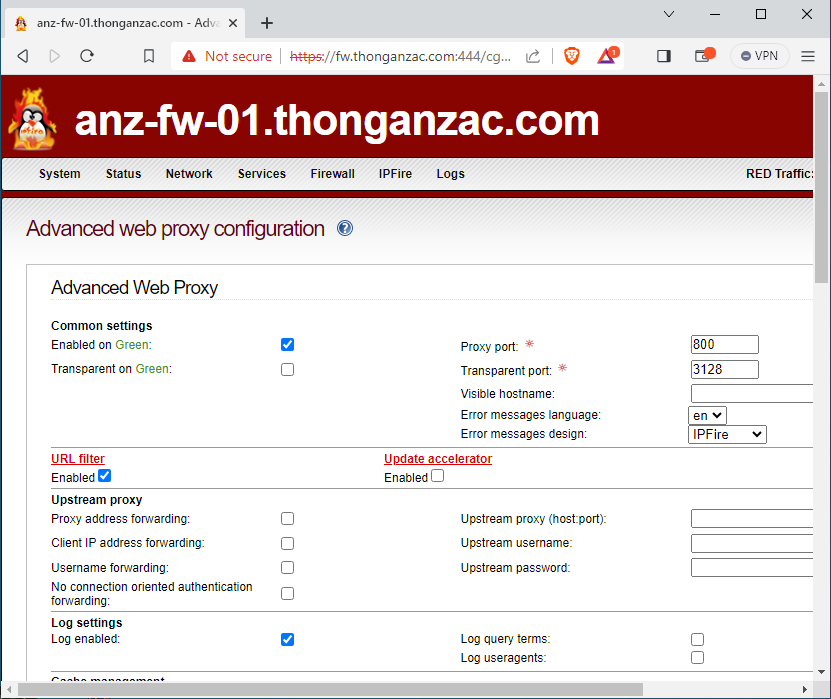


Figure 19 Proxy Server in IPFire Firewall

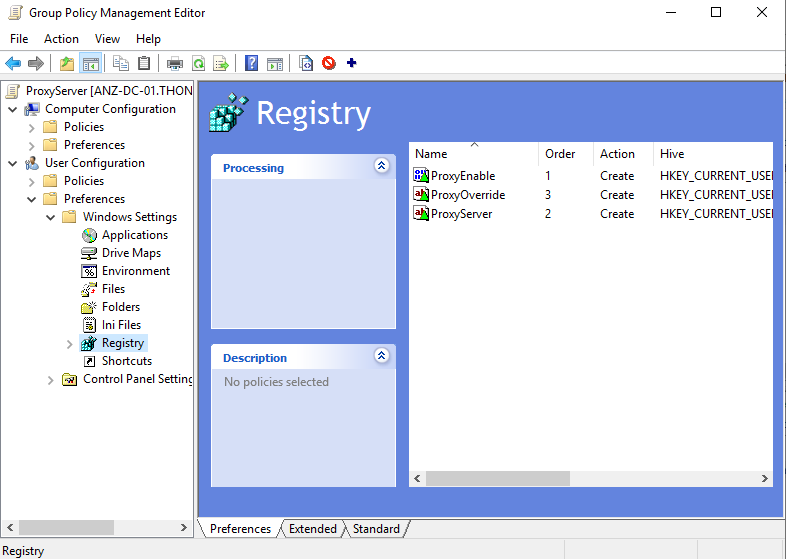


Figure 20 Proxy Server in Group policy

1. NTP Server.

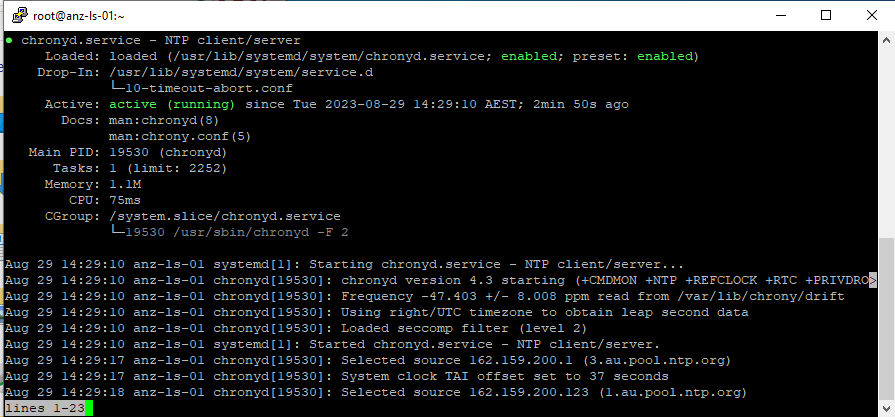


Figure 21 NTP Server in Fedora Linux

A screenshot of a computer

Description automatically generated

Figure 22 NTP sources

1. WEB.

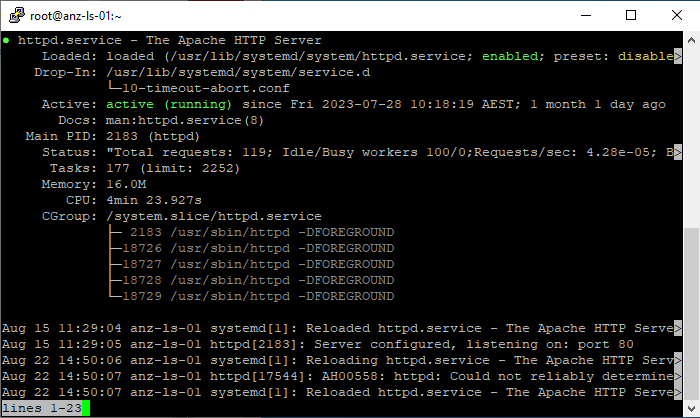


Figure 23 Webserver is running

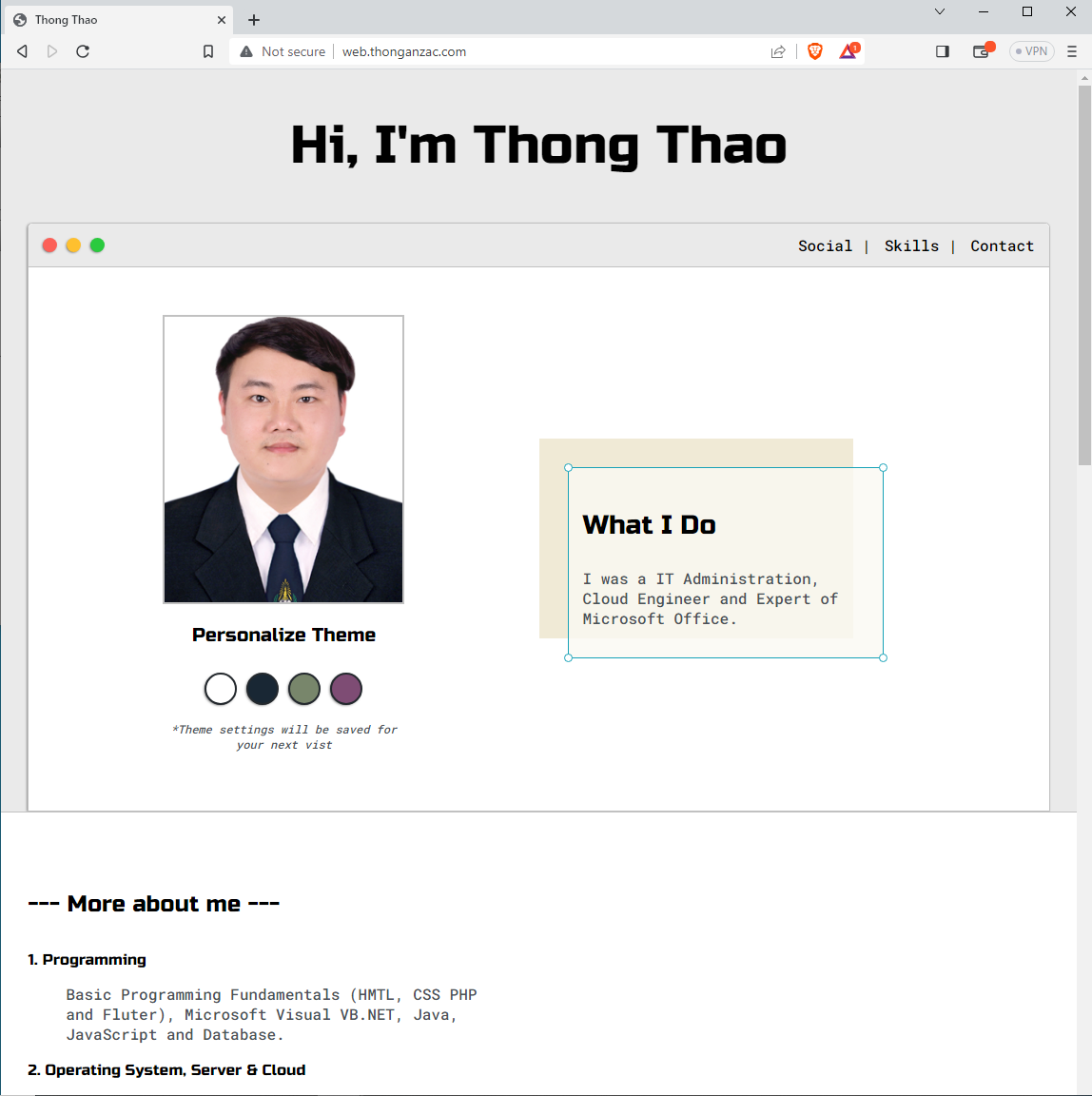


Figure 24 Access Webserver from Client in Browser

1. Mail.

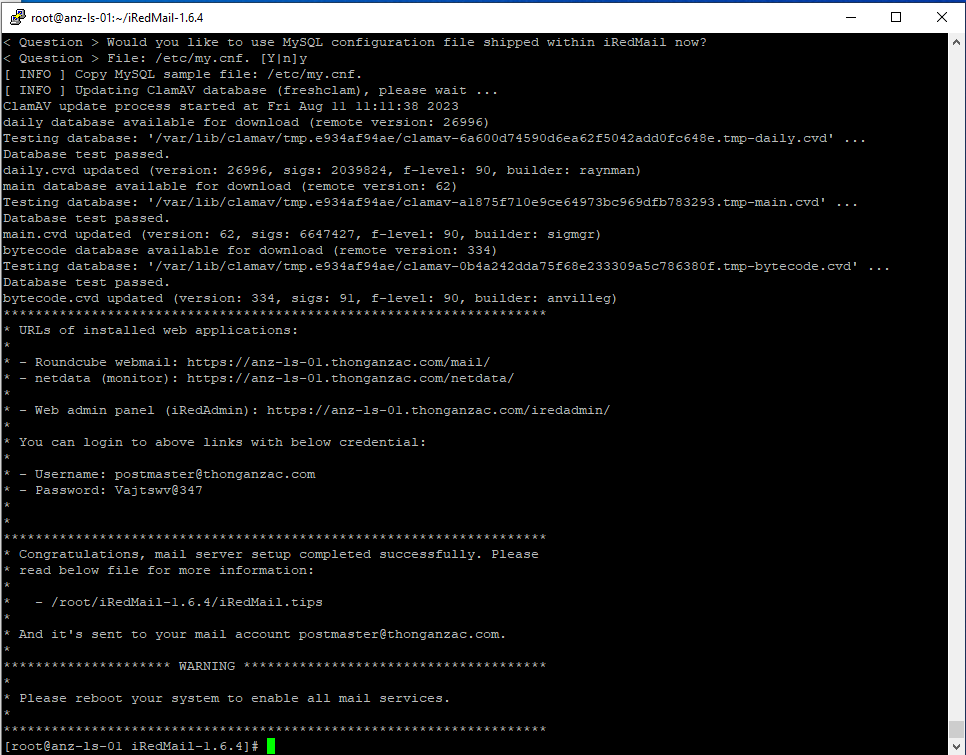


Figure 25 Completed install iRedMail in Rocky Linux

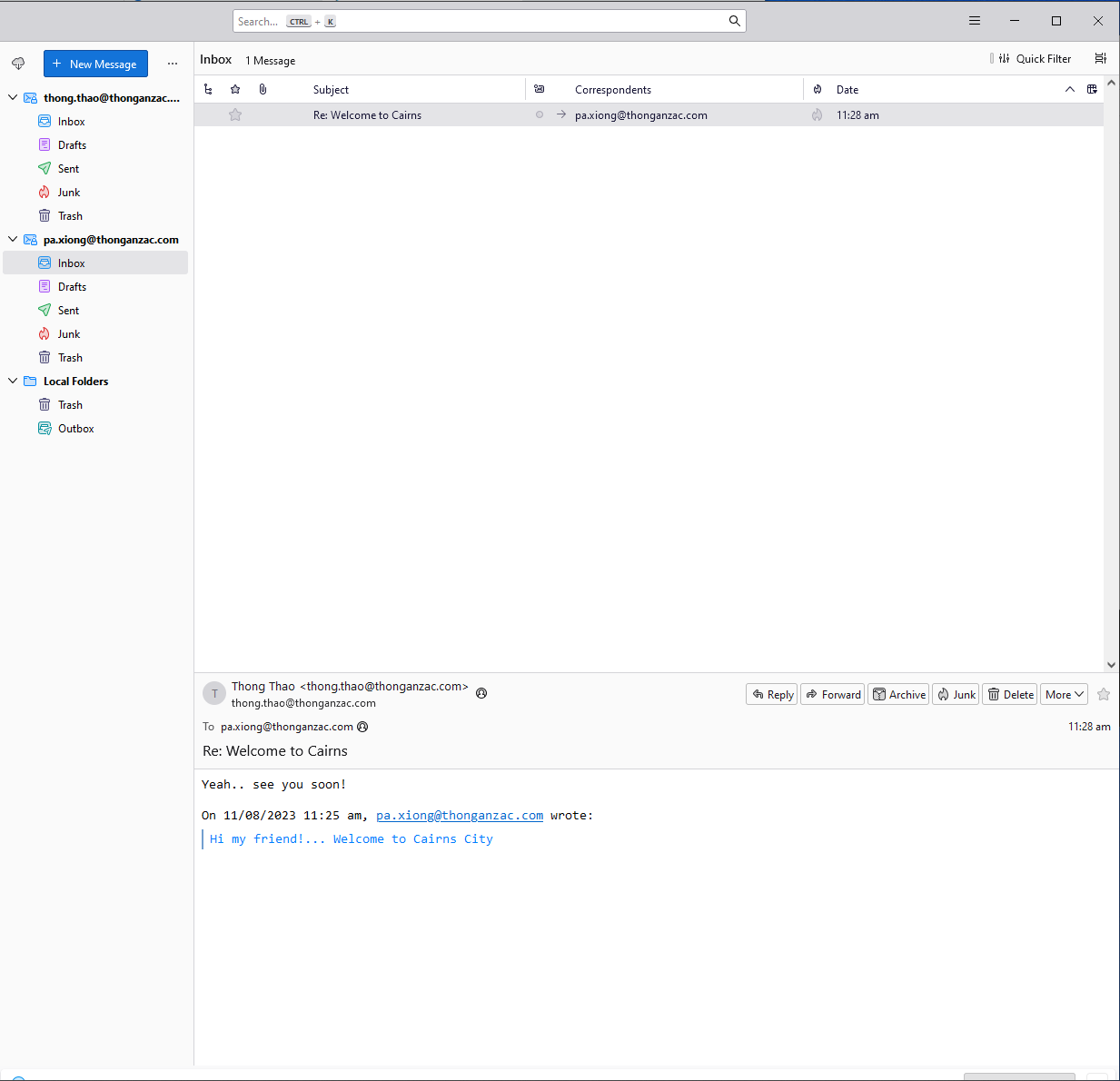


Figure 26 Testing Send email from Pa Xiong to Thong Thao

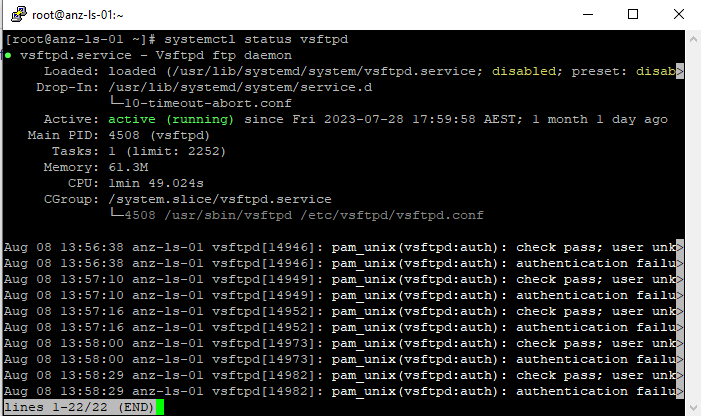
1. FTP Server. 

Figure 27 FTP server in Fedora Linux

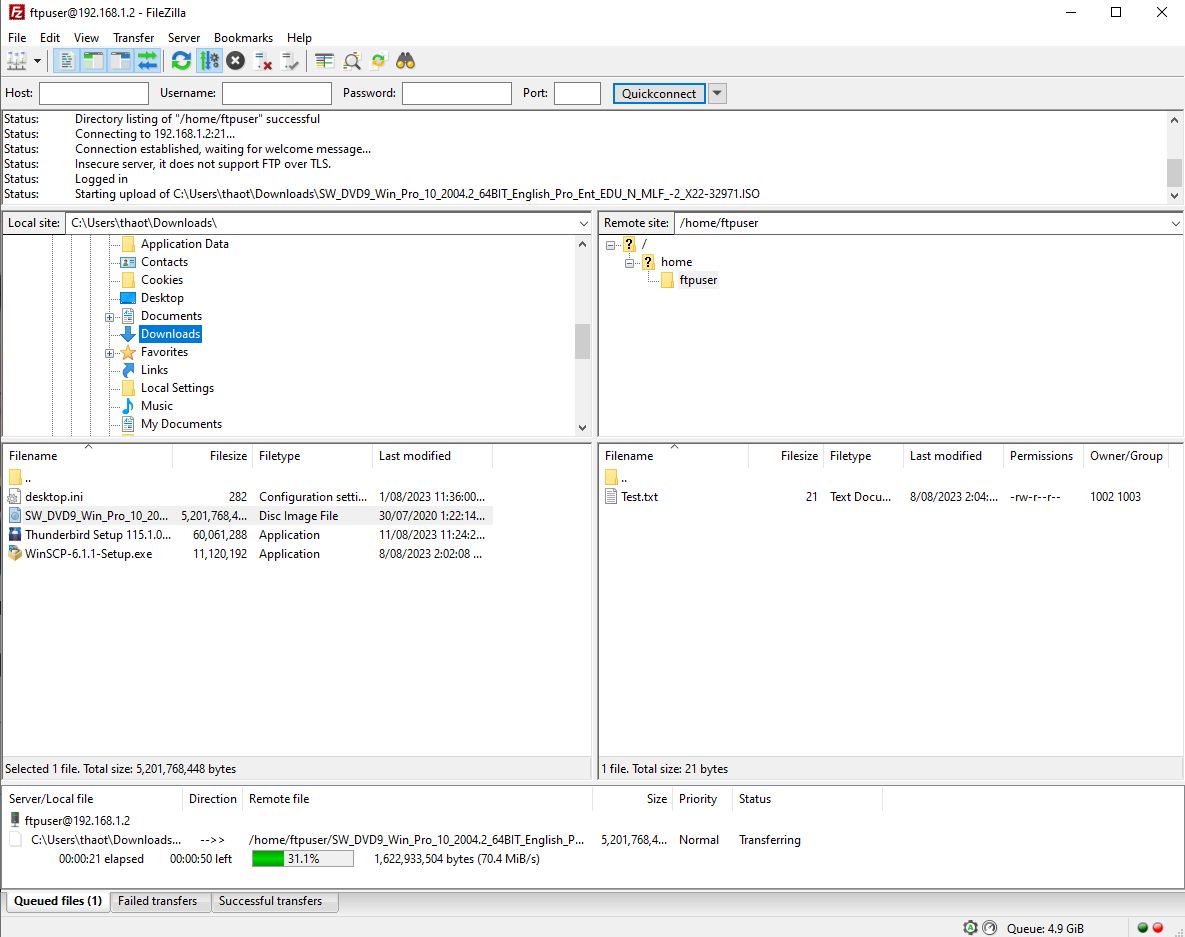


Figure 28 Transfer Files to FTP Server

1. Diagnostic Software.

* Windows Server

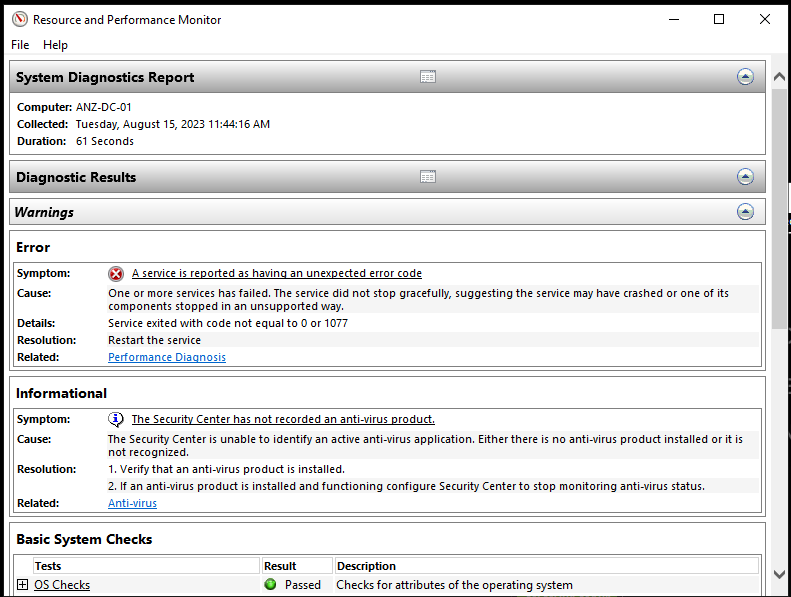


Figure 29 Running performance monitor in Windows Server

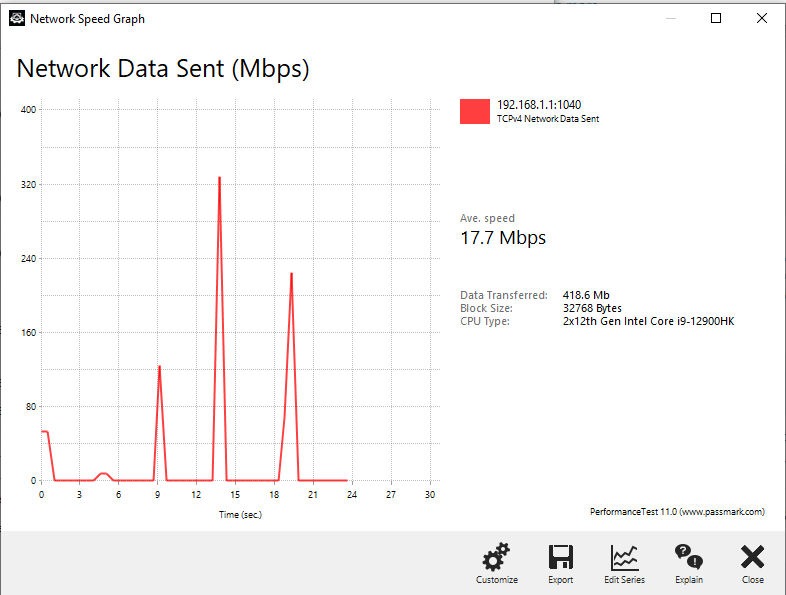


Figure 30 Network Data Sent between Server and Client

* Linux Server

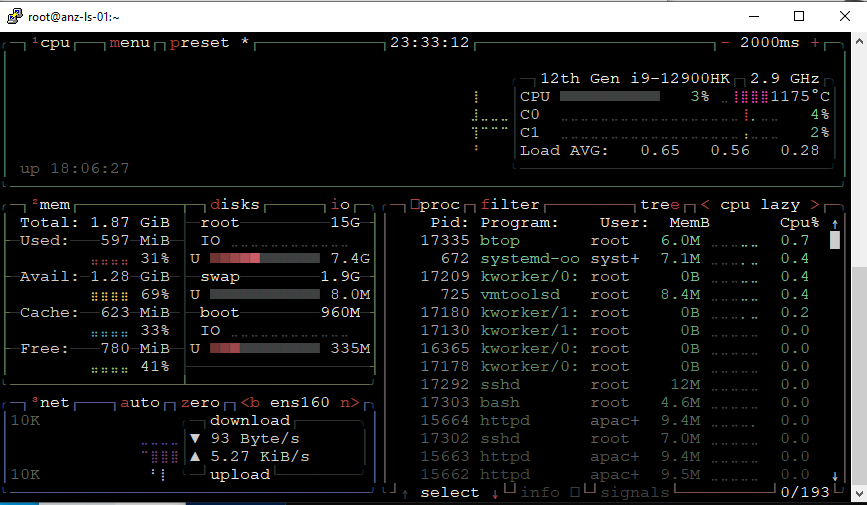


Figure 31 Linux Monitor

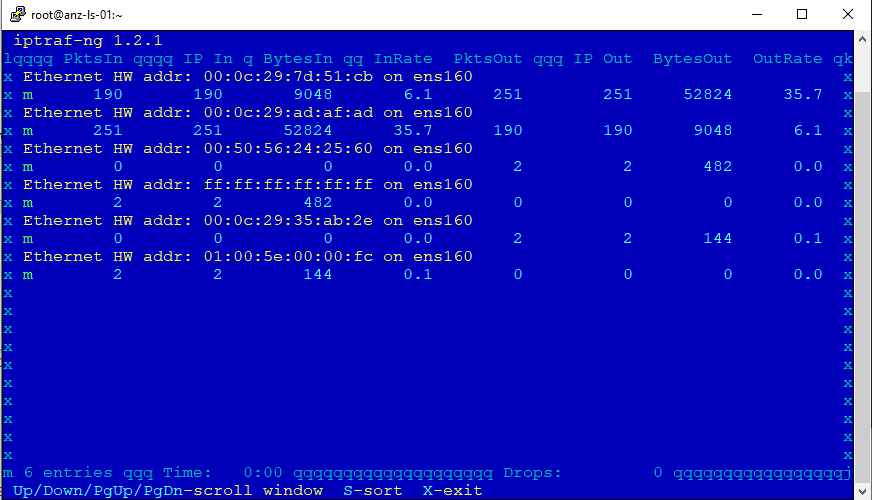


Figure 32 Linux Monitor Ethernet

1. Group Policy

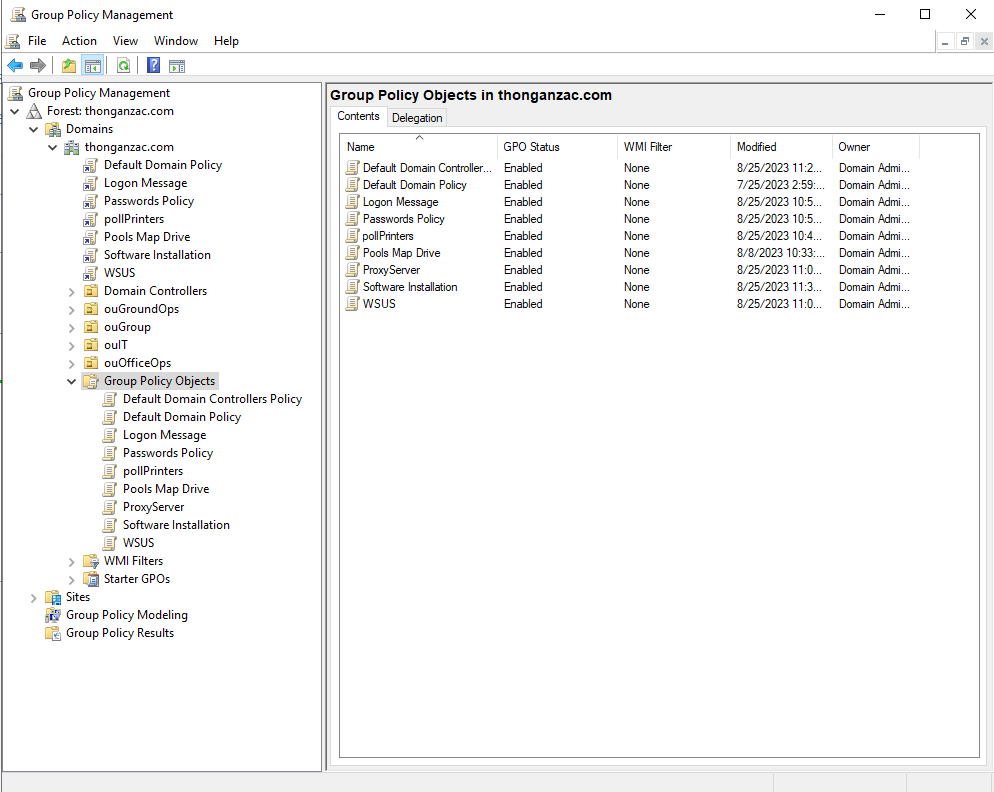


Figure 33 Group policy

1. Mapping Drive Policy

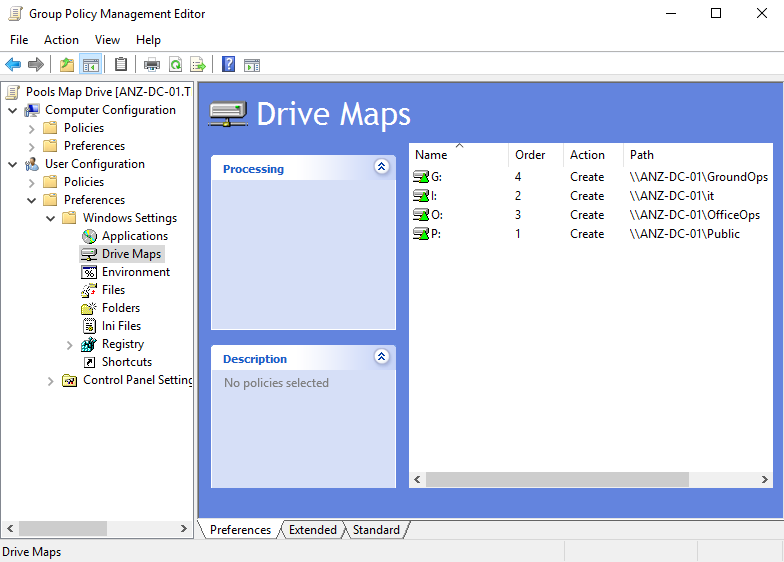


Figure 34 Mapping Drive Policy

1. Users Logon Hours Permission

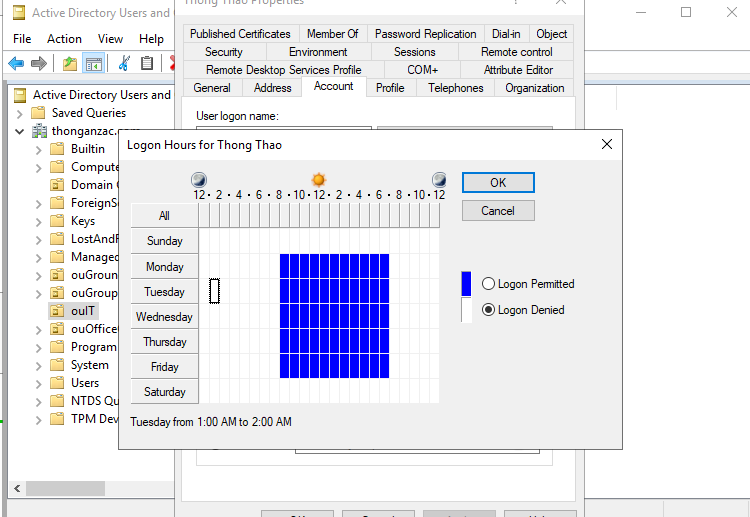


Figure 35 Restriction users logon