CP 3 Document

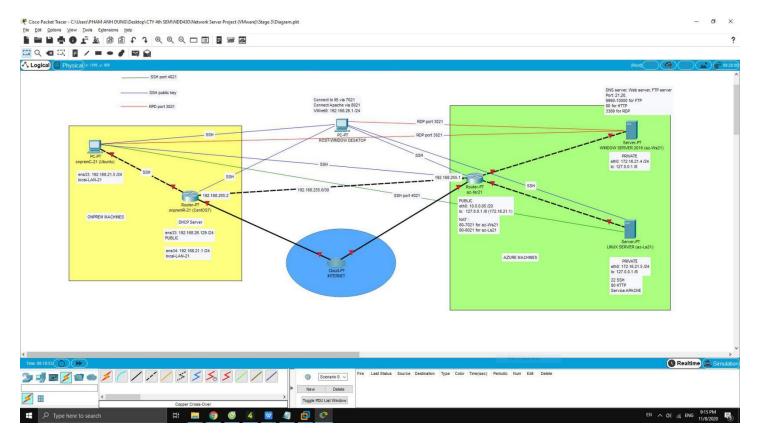
STUDENT'S NAME: ANH DUNG PHAM

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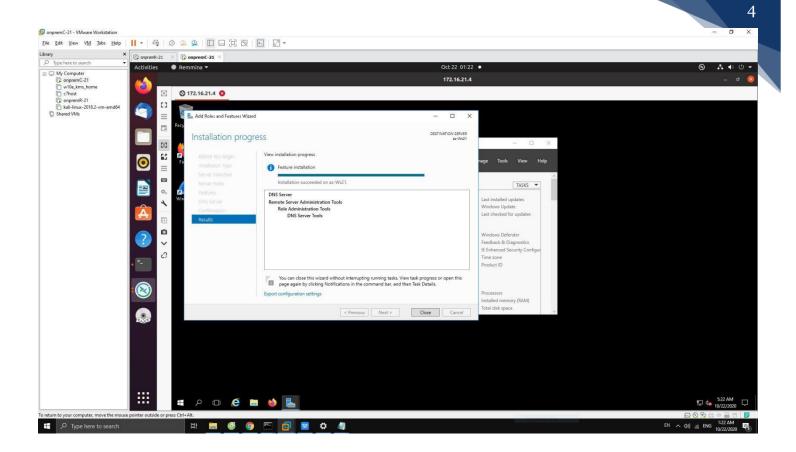
Create a network Diagram that displays the topology and includes:

- ip addressing information for all interfaces
- A list of services being hosted by each device



DNS Server Install (step by step)

- 1. Into Server Manager, select Manage and click Add Roles and Features.
- 2. Click Next.
- 3. Select Role-based or feature-based installation, and then click Next.
- 4. Click Select a server from the server pool, click az-ws21, click Next.
- 5. On the Select server roles page, click DNS Server.
- 6. When the Add Roles and Features Wizard dialog box, select Add Features, and then click Next.
- 7. On the DNS Server page, click Next.
- 8. On the Confirm installation selections page, click the Install button.
- 9. When the installation is completed, click the Close button. And restart the system.



Apache Install (step by step)

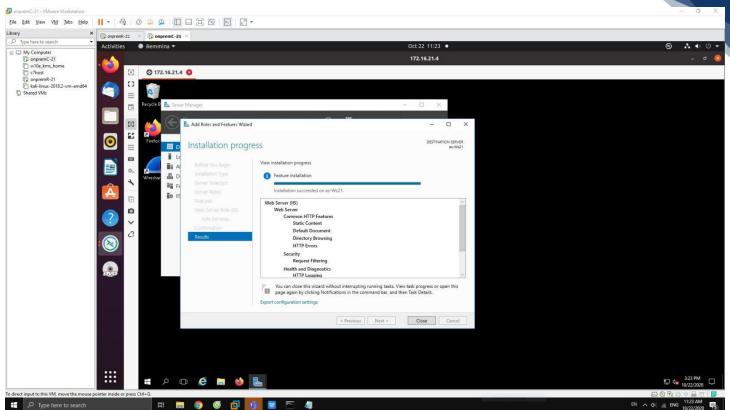
- 1. sudo yum install httpd service.
- 2. sudo systemctl enable httpd service.
- 3. sudo systemctl start httpd service.
- 4. Create the website by: sudo vi /var/www/html/index.html
- 5. Copy the html that you formated into the index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Page Title</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<style>
body {
  font-family: Arial, Helvetica, sans-serif;
</style>
</head>
<body>
<h1>My Website from Linux Server</h1>
My name: Anh Dung Pham
My ID: adpham1
Course: NDD430
Unique ID number: 21
</body>
</html>
```

IIS Install (step by step)

- 1. Select Server Manager opens, Manage and click Add Roles and Features.
- 2. click Next.
- 3. Select Role-based or feature-based installation and then click Next.
- 4. Click az-ws21, and then click Next.
- 5. On the Select server roles page, click Web Server (IIS).
- 6. At the Add Roles and Features Wizard dialog, select Add Features and click Next.
- 7. Select features page opens, click Next.
- 8. click Next.
- 9. click Next.
- 10. Click Install
- 11. When the installation is done, click the Close button. And restart the system





Appendix A - DNS Settings

DNS Table

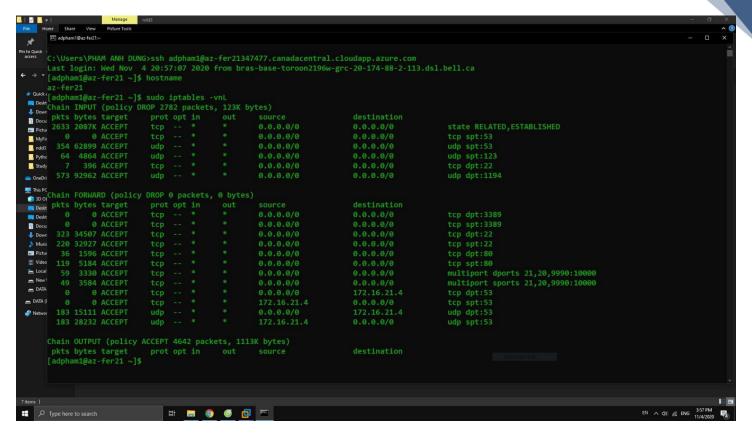
Expand this table to include all FQDNs and IPs configured in your DNS

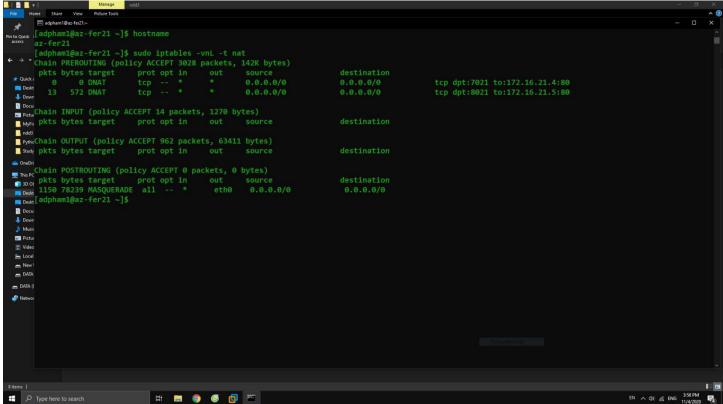
FQDN	IP Address
az-Ls21.ndd43021.com	IP Address: 172.16.21.4 Subnet mask: 255.255.255.0 Gateway: 172.16.21.1
10	Preferred DNS: 172.16.21.4

Appendix B – Firewall Configurations

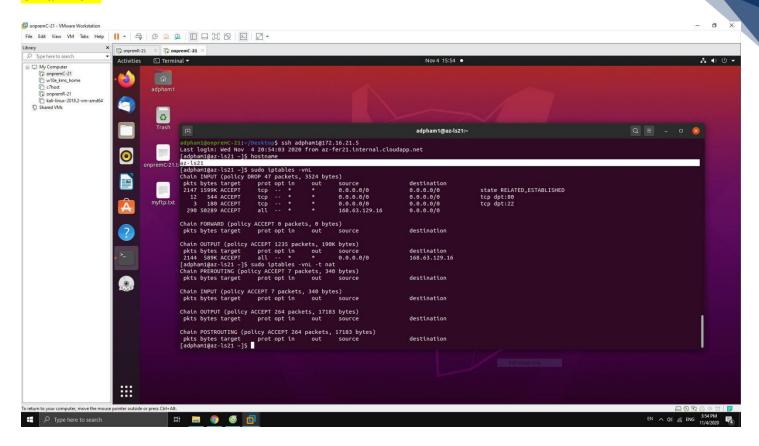
• Iptables configurations for ALL Linux Machines

On az-fer21:

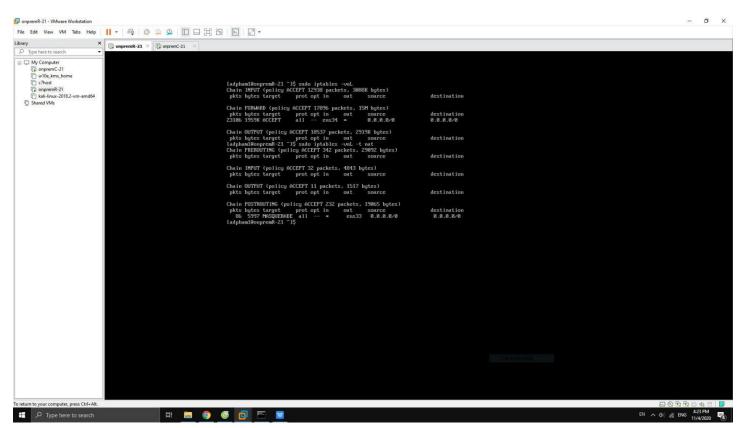




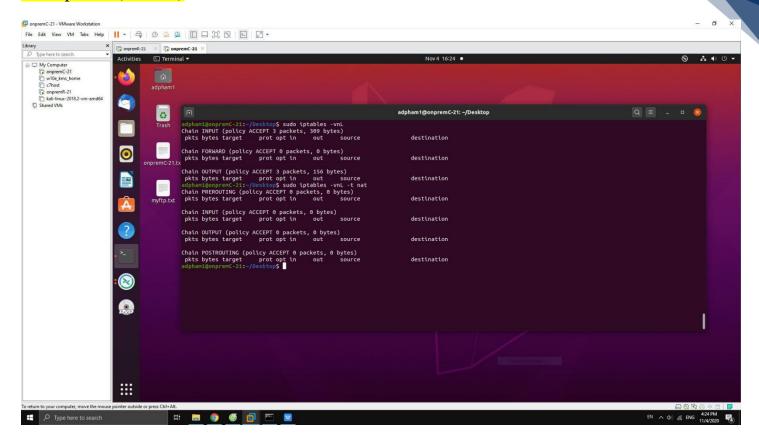
On az-Ls21



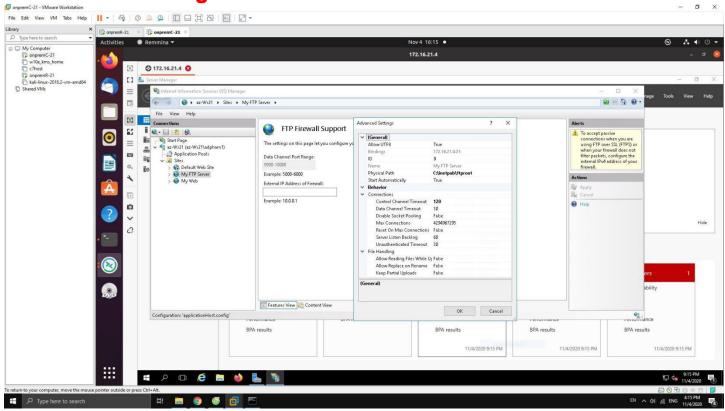
On onpremR (CenOs7)



On onpremC (Ubuntu)



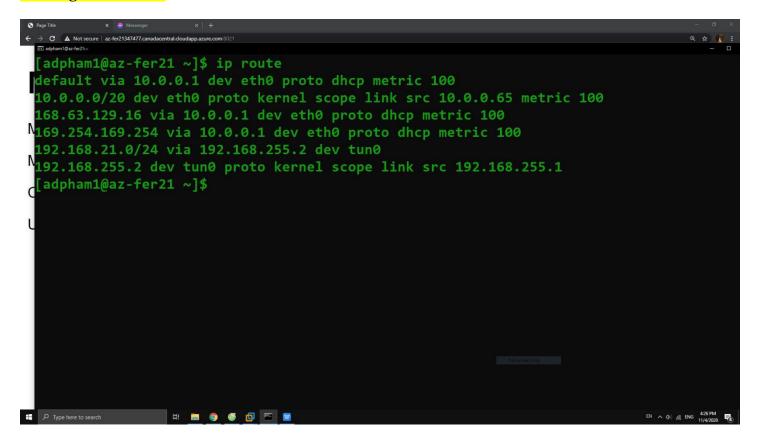
Firewall Configuration for Windows Server



Appendix C – Routing Configurations

Routing Tables for Az-fer and onpremR

Routing on az-fer21:



Routing on onpremR:

