OS Assignment

Documentation of setting up a linux server

Services

1. Open SSH Server

Reference : OpenSSH Server Installation

Installing :

```
sudo dnf install -y openssh-server

sudo systemctl enable sshd
```

Configuration :

1. **SSHD** is SSH server process, so we will configure that file

   - creating backup file

     ```
     sudo cp /etc/ssh/sshd_config /etc/ssh/sshd_config.bak
     ```

   - edit sshd_config and change port number and ssh permissions

     ```
     Port 2024

     PermitRootLogin no
     ```

2. Configuring firewall

- Adding port 2024

```
sudo firewall-cmd --permanent --add-port=2222/tcp

sudo firewall-cmd --reload
```

3. Reload SSH

```
sudo systemctl reload sshd
```

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2. Web Server

Reference : [Web Server Installation](#)

Installing :

3. Database Server

4. File Sharing Server

5. Email Server

6. Security

Issues

1. **Open SSH server**

   - Issue with SSH (solved)

     Reason : SELinux does not recognize non standard port 2024

     ```
     sudo semanage port -a -t ssh_port_t -p tcp 2024

     sudo restorecon -Rv /etc/ssh
     ```

     Reference : [Change to non standard port](#)

2.

Note

- check ssh status

```
sudo systemctl status sshd
```

- check firewall

```
sudo firewall-cmd --list-all
```