OS: UBUNTU 18.04.1 (64BITS)

VIRTUAL MEDIUM USED: ORACLE VM VIRTUALBOX

INITIAL HARDENING SCORE: 54

Hardening commands used:

sudo apt update

sudo apt upgrade

sudo apt-get install checkrestart

sudo apt-get install needrestart

sudo apt-get install debsecan

sudo apt-get install debsums

sudo apt-get fail2ban

(installing ldap authentication)

sudo apt install libnss-ldap libpam-ldap ldap-utils nscd

sudo auth-client-config -t nss -p lac\_ldap

sudo pam-auth-update

sudo systemctl restart nscd

sudo systemctl enable nscd

(changing password expiration for user varun)

chage -l varun

chage -W 10 varun

sudo chage -I 2 varun

vi /etc/profile

sudo apt-get install pam\_umask

sudo apt-get install usbguard

sudo apt-get install nfs-kernel-server

sudo mkdir -p /export/users

(installing apache)

Sudo apt install apache2

Apache2 -version

Sudo ufw allow ‘Apache’

Sudo systemctl status apache2

Hostname -I

Sudo apt update

Sudo apt install nginx

Sudo ufw app list

Sudo ufw allow ‘Nginx HTTP’

Sudo ufw status

Systemctl status nginx

(installing SELinux)

Apt-get install selinux

sudo sed -i 's/SELINUX=.\*/SELINUX=enforcing/' /etc/selinux/config

SCORE AFTER THESE INSTALLATIONS: 65

A screenshot of a cell phone

Description automatically generated