Week 4 Homework: Linux Systems Administration

Step 1: Ensure/Double Check Permissions on Sensitive Files

1. ls -l shadow

sudo chmod g-r shadow

1. ls -l gshadow

Sudo chmod g-r gshadow

1. ls -l group

Sudo chmod 644 group

1. ls -l passwd

Sudo chmod 644 passwd

Step 2: Create User Accounts

1. sudo adduser admin

sudo adduser sam

sudo adduser joe

sudo adduser amy

sudo adduser sara

1. sudo usermod -aG sudo admin

Step 3: Create User Group and Collaborative Folder

1. sudo addgroup engineers
2. sudo usermod -G engineers sam

sudo usermod -G engineers joe

sudo usermod -G engineers amy

sudo usermod -G engineers sara

1. sudo mkdir /home/engineers
2. sudo chown :engineers /home/engineers

Step 4: Lynis Auditing

1. sudo apt install lynis
2. sudo lynis --help
3. sudo lynis audit system