

TLEN 5842: Lab 4

Mohamed Al-Rasbi

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Requirement 2

- I added the command `mpalmer ALL=/usr/bin/systemctl restart vsftpd` in the file `/etc/sudoers`. So, mpalmer can now execute the command from her account using `sudo`.
- I ran the puppet manifest, which creates a group called `ftpd` and adds `root`, `mpalmer` to the group. I changed the mode of `/var/ftp` to 2770, so now whoever in the group can modify and read the files under the directory.

```
group { "ftpd" :  
    ensure => "present",  
    gid => "5100",  
}  
user { "root":  
    groups => "ftpd",  
}  
user { "mpalmer":  
    groups => "ftpd",  
}  
  
file { "/var/ftp":  
    group => "ftpd",  
    mode => "2770",  
}
```

Requirement 3

- I added these two lines in `/etc/sudoers`:
`User_Alias HTTPD = pbeesly, k Kapoor, abernard`
`HTTPD ALL=/usr/bin/systemctl restart httpd`
- And created this puppet manifest to let those accounts have the ability to modify files under `/var/www/html`

```

group { "htmdir" :
    ensure => "present",
    gid => "5100",
}
user { "root":
    groups => "htmdir",
}
user { "pbeesly":
    groups => "htmdir",
}
user { "k Kapoor":
    groups => "htmdir",
}
user { "abernard":
    groups => "htmdir",
}

file { "/var/www/html/":
    group => "htmdir",
    mode => "2770",
}

```

Requirement 4

The `umask` value should be 007. This is what I did in Machine A, C, D, E:

- Changed the value of `UMASK` to 007 in `/etc/login.defs`
- Added `session required pam_umask.so` in `/etc/pam.d/system-auth`
- Changed the value of `umask` from 002 and 022 to 007 in `/etc/profile`

Requirement 5

- Machine A, E: All users are allowed to access them. (Since to access Machine E, you have to access Machine A first).
- `root`, `dschrute`, `mscott`, Mohd[my personal account] are allowed to access all machines
- `mpalmer` is allowed to access Machine C
- `pbeesly`, `k Kapoor`, `abernard` are allowed to access Machine B
- I modified `/etc/pam.d/login`, `/etc/pam.d/sshd` to add the line `account required pam_access.so`
- These are the changes I made in `/etc/security/access.conf` all the machines in :

```

Machine A:
+ : ALL : ALL

Machine B:
+ : root : ALL
+ : pbeesly : ALL
+ : k Kapoor : ALL
+ : abernard : ALL
+ : Mohd : ALL
+ : dschrute : ALL
+ : mscott : ALL
- : ALL : ALL

Machine C:
+ : root : ALL
+ : mpalmer : ALL
+ : Mohd : ALL
+ : dschrute : ALL
+ : mscott : ALL
- : ALL : ALL

Machine D:
+ : root : ALL
+ : Mohd : ALL
+ : dschrute : ALL
+ : mscott : ALL
- : ALL : ALL

Machine E:
+ : ALL : ALL

```

Requirement 6

I added these two line in `/etc/sudoers`

| | | |
|----------|-----------|-----|
| Mohd | ALL=(ALL) | ALL |
| dschrute | ALL=(ALL) | ALL |

Requirement 7

I added these line in `/etc/sudoers` in all machines:

```
mscott ALL=/usr/sbin/shutdown -c
mscott ALL=/usr/sbin/shutdown -P +[1-9] [2-9] [0-9]*
mscott ALL=/usr/sbin/shutdown -P +[2-9] [0-9] [0-9]*
mscott ALL=/usr/sbin/shutdown +[1-9] [2-9] [0-9]*
mscott ALL=/usr/sbin/shutdown +[2-9] [0-9] [0-9]*
```

Requirement 8

This is what I added in `/etc/security/pwquality.conf` in all machines:

```
minlen = 11
dcredit = -2
ucredit = -2
ocredit = -1
```