


1. Locate the file named `config.conf`. You can do this in a number of ways, but make sure you're editing the correct `config.conf` file!
2. Change your directory into the location where the file exists.
3. Check the file permissions of the `config.conf` file. What do you notice about its file permissions?
 - Everyone is able to read write and execute.
 - This makes the file very insecure and vulnerable.
4. Check the MD5 hash of the file.



```
Jun 4 23:22 •
fstack@ubuntu: /opt/splunk/etc/system/local
fstack@ubuntu:~$ find /opt/splunk -name config.conf
/opt/splunk/etc/system/local/config.conf
fstack@ubuntu:~$ cd /opt/splunk/etc/system/local
fstack@ubuntu:/opt/splunk/etc/system/local$ ls -l config.conf
-rwxrwxrwx 1 root root 185 Sep 29 2022 config.conf
fstack@ubuntu:/opt/splunk/etc/system/local$ md5sum config.conf
c70754d9c7bab08a8c441f90c37f27eb  config.conf
fstack@ubuntu:/opt/splunk/etc/system/local$
```

Edit the file by adding the following lines to the end. You can use `vi` or `nano` for this. Be sure to save the file after making the changes.



```
Jun 4 23:25 •
fstack@ubuntu: /opt/splunk/etc/system/local
#EDIT ME
[inputs]
- Windows logs
- Firewall logs
- Jira logs
- Software engineering logs
- IPS logs
- IDS logs
- WAF logs

[viewers]
- Emily
- Neel
- James
- Riley
- Sarah

[admin]
- AliceAdmin1
- TylerAdmin2
-
-
:wq
```

5.

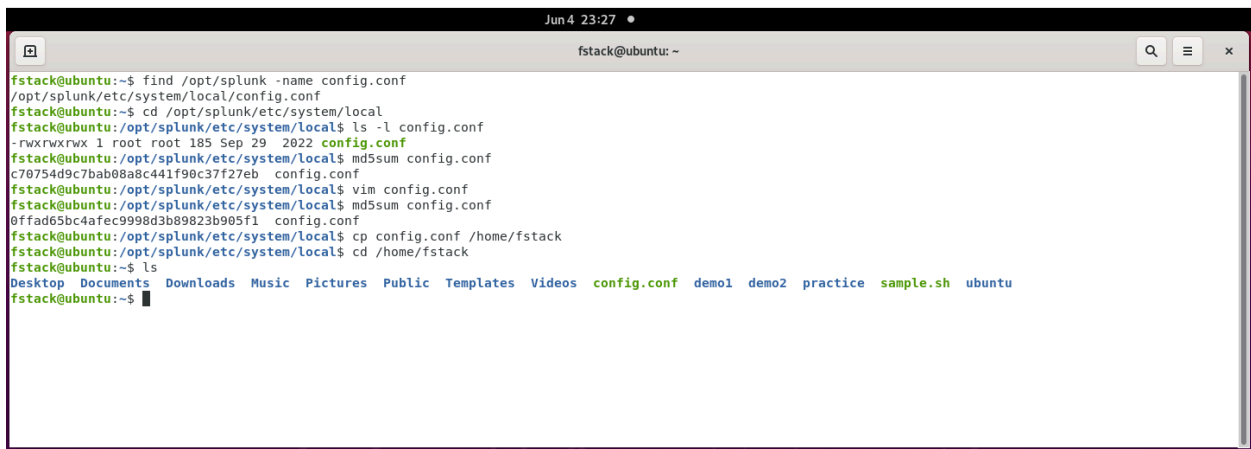
6. Check the MD5 hash of the file one more time. How does it compare to the MD5 hash before you edited the file?

- The hash was different, ensuring that i had made changes to the file and added the admins.

A terminal window titled 'Jun 4 23:26' with the prompt 'fstack@ubuntu: /opt/splunk/etc/system/local'. The user runs a series of commands to find, navigate to, list, and calculate the MD5 hash of 'config.conf'. The output shows the file's permissions, owner, size, date, and the resulting MD5 hash.

```
fstack@ubuntu:~$ find /opt/splunk -name config.conf
/opt/splunk/etc/system/local/config.conf
fstack@ubuntu:~$ cd /opt/splunk/etc/system/local
fstack@ubuntu:/opt/splunk/etc/system/local$ ls -l config.conf
-rwxrwxrwx 1 root root 185 Sep 29 2022 config.conf
fstack@ubuntu:/opt/splunk/etc/system/local$ md5sum config.conf
c70754d9c7bab08a8c441f90c37f27eb config.conf
fstack@ubuntu:/opt/splunk/etc/system/local$ vim config.conf
fstack@ubuntu:/opt/splunk/etc/system/local$ md5sum config.conf
0ffad65bc4afec9998d3b89823b905f1 config.conf
fstack@ubuntu:/opt/splunk/etc/system/local$
```

7. Create a backup of the file into your home directory by copying the file into the `/home/fstack` directory.

A terminal window titled 'Jun 4 23:27' with the prompt 'fstack@ubuntu: ~'. The user repeats the previous steps to find and calculate the MD5 hash of 'config.conf', then uses the 'cp' command to copy the file to the home directory. The prompt changes to '~' after the copy operation.

```
fstack@ubuntu:~$ find /opt/splunk -name config.conf
/opt/splunk/etc/system/local/config.conf
fstack@ubuntu:~$ cd /opt/splunk/etc/system/local
fstack@ubuntu:/opt/splunk/etc/system/local$ ls -l config.conf
-rwxrwxrwx 1 root root 185 Sep 29 2022 config.conf
fstack@ubuntu:/opt/splunk/etc/system/local$ md5sum config.conf
c70754d9c7bab08a8c441f90c37f27eb config.conf
fstack@ubuntu:/opt/splunk/etc/system/local$ vim config.conf
fstack@ubuntu:/opt/splunk/etc/system/local$ md5sum config.conf
0ffad65bc4afec9998d3b89823b905f1 config.conf
fstack@ubuntu:/opt/splunk/etc/system/local$ cp config.conf /home/fstack
fstack@ubuntu:/opt/splunk/etc/system/local$ cd /home/fstack
fstack@ubuntu:~$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos  config.conf  demo1  demo2  practice  sample.sh  ubuntu
fstack@ubuntu:~$
```