

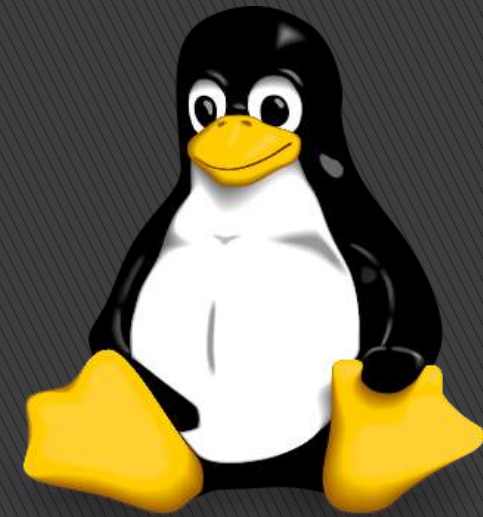
SSH

Secure Shell



What is ssh?

- SSH is a protocol used to securely access remote computer by using command line interface.
- It use by default port number 22.
- ssh is the most common way to access remote Linux and Unix-like servers.
- In history telnet use for access remote computer command line interface but due to security reason telnet outdated and use ssh today instead of telnet.



Update ssh configuration file

To enable root remote access through remote system modify sshd_config file

To edit ssh configuration file

```
#vim /etc/ssh/sshd_config
```

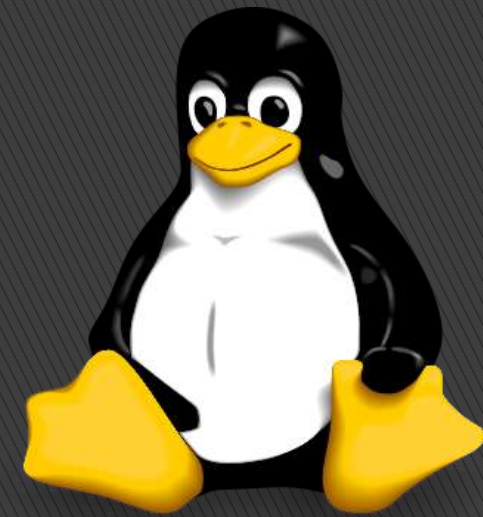
```
PermitRootLogin yes (line number 40)
```

```
PasswordAuthentication yes (line number 65)
```

```
:wq
```

Remove # above line and update as per requirement.

```
#systemctl restart sshd
```



For access remote system with ssh

For Connect remote system:

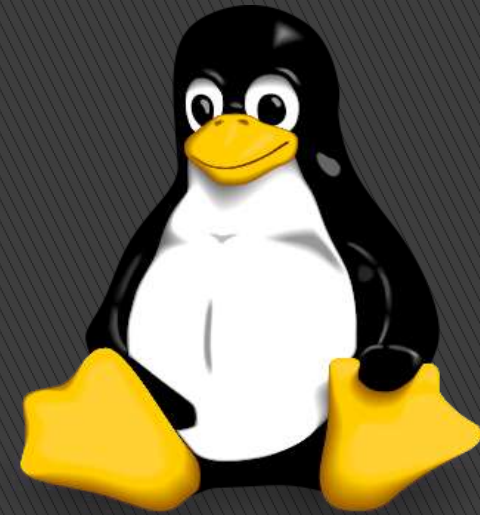
#ssh root@172.25.0.10

For Check:

#ifconfig

For Logout :

#exit (ctrl+d)



Ssh Key-based Authentication

For Generate key

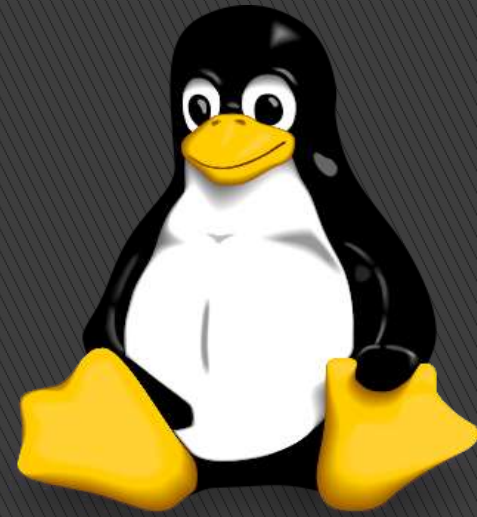
```
#ssh-keygen
```

For transfer key to remote system

```
#ssh-copy-id -i 172.25.0.10
```

Now,try to login remote system password not required

```
#ssh root@172.25.0.10
```



Disable SSH root user Login

Edit configuration file:

```
# vim /etc/ssh/sshd_config
```

```
PermitRootLogin no
```

```
DenyUsers amir
```

```
:wq
```

```
#systemctl restart sshd
```

```
#systemctl enable sshd
```

