

REMOTE SERVER LOGIN (MAC DEMO)

Q. How to connect to a remote server/computer?

ssh(secure shell) is the protocol to login to a remote server. It provides a secure channel to connect to the remote servers.

COMMAND:

```
ssh <username>@<server>
```

EXAMPLE:

```
ssh shaan@ec2-34-230-58-156.compute-1.amazonaws.com
```

REMOTE SERVER LOGIN (WINDOWS DEMO)

Q. How to connect to a remote server/computer?

ssh(secure shell) is the network protocol to login to a remote server. It provides a secure channel to connect to the remote servers.

COMMAND:

```
ssh <username>@<server>
```

EXAMPLE:

```
ssh shaan@ec2-34-230-58-156.compute-1.amazonaws.com
```

```
ssh shaan@34.230.58.156
```

TOOLS:

Putty

Git BASH (Unix BASH emulator for Windows)

Q. What is the use of **find** command?

find - search for files in a directory hierarchy

find command help

\$ find -help

usage: find [-options] [path ...] [expression]

\$ man find

usage: find [-options] [path ...] [expression]

find by name

\$ find /var/log/ -name hibernate.log

/var/log/amazon/ssm/hibernate.log

\$ find /var/log/ -name *.log

/var/log/cloud-init-output.log

/var/log/cloud-init.log

/var/log/yum.log

/var/log/boot.log

/var/log/amazon/ssm/hibernate.log

/var/log/dracut.log

find: `/var/log/audit': Permission denied

find by name and exclude any error output

\$ find / -name *.log 2>/dev/null

/var/log/cloud-init-output.log

/var/log/cloud-init.log

/var/log/yum.log

/var/log/boot.log

/var/log/amazon/ssm/hibernate.log

/var/log/dracut.log

2 Standard Error

> Redirection

/dev/null Blackhole

find by name and modified timestamp within last 24 hours

\$ find / -mtime 0 -name *.log 2>/dev/null

/var/log/cloud-init-output.log

/var/log/cloud-init.log

/var/log/amazon/ssm/hibernate.log

Q. How to print the content of file(s)?

cat - print the whole file(s)

usage: cat [-options] [file ...] [file ...]

head - print the first part of file

usage: head [-options] [file ...]

tail - print the last part of file

usage: tail [-options] [file ...]

Q. How to monitor the logs in real-time or live?

tail -f - output appended data as the file grows

Q. How to view or edit the content of file(s)?

less - file viewer

usage: less [-options] [file ...]

navigation keys

ctrl + f - forward one screen
ctrl + b - backward one screen
g - go to top of file
shift + g - go to end of file
q - exit

search keys

/ - forward search
? - backward search
n - next match

nano - file editor

usage: nano [-options] [file ...]

navigation keys

ctrl + v - forward one screen
ctrl + y - backward one screen
alt + \ - go to top of file
alt + / - go to end of file
ctrl + x - exit from nano

search keys

ctrl + w - forward search
alt + b - backward search
alt + w - next match

save key

ctrl + o - save changes