

Team Avengers

Agenda

This is the first set in the series of Avengers training. This will be given with 3 use cases. Each use case consists of 10 points.

1. Understand the target machine software

Use Case

BuildBot gave a new laptop (**workstation**) to a new joiner. But through this the new joiner is sshing into another machine(**target**) for continuing all the work. So this laptop that he/she got is only used as a dumb terminal.

Note: This target machine is linux based.

Task: Write the commands to figure out the following in the target machine.

1. Figure out which linux(distribution) it is and what is the kernel version?
2. Figure out what is its name(local address or hostname).
3. Figure out from how long it is running.
4. Figure out what is the username.
5. Figure out what is the system timezone and how much is the difference between Indian time and the target machine time.
6. Figure out when it got last rebooted.

2. Understand the target machine hardware

Use Case

Once you figure out the software part of the target machine, now dig more into the following.

Task: Write the commands to figure out the following in the target machine.

1. Figure out how much CPU, RAM and Disk it has.
2. Figure out how much CPU, RAM and Disk it is using right now.
3. Figure out top 3 processes which consume high CPU.
4. Figure out the top 3 processes which consume high Memory(RAM).

3. Understand about the user

Use Case

Once you understand about the software and hardware, now it is time to understand about the user.

Task:

1. Figure out who is logged-in into the system and what they are doing.
2. Add two user groups called `dev` and `admin`.
3. Add a user - Partha and put him under admin.
4. Add a user - Sasi and put him under dev.
5. dev should be able to create and edit files and folders in the directory `/var/data/mydata`. But should not be able to delete anything.
6. Admin should be able to do anything on the folder `/var/data/mydata`.
7. Change the user sasi to admin group.
8. Add user - Lakshmi Narayana to the dev group.
9. Login as Lakshmi Narayana as partha and create a file in /var/data/mydata.
10. Delete the user Lakshmi Narayana.