

**Ganpat University**  
**(2CSE204) Basics of Operating System and Shell Scripting**

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Sem - 2

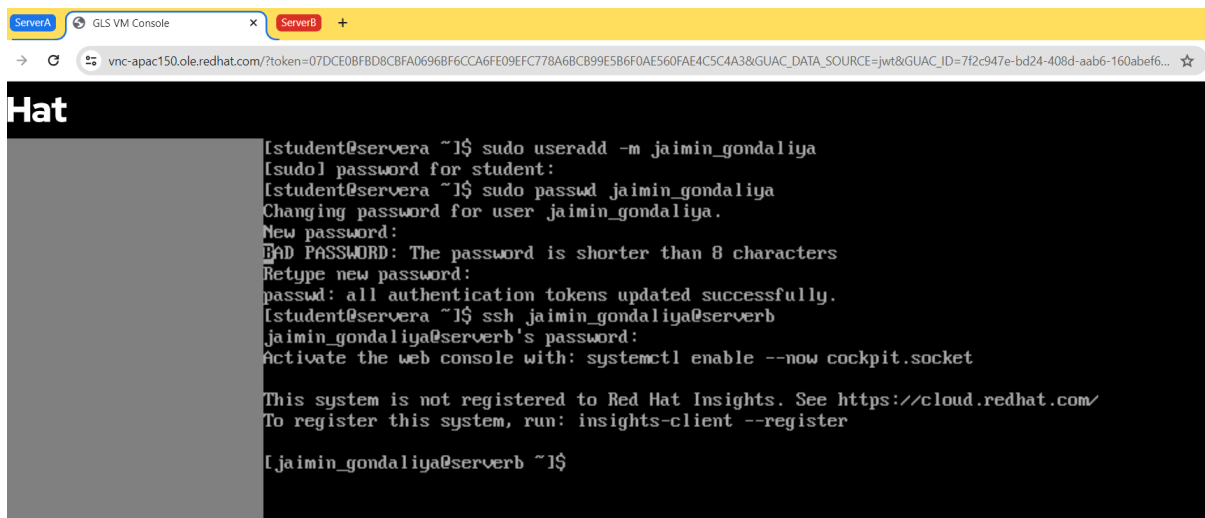
Branch: CS

Class: B

Batch: 25

**Practical-8**

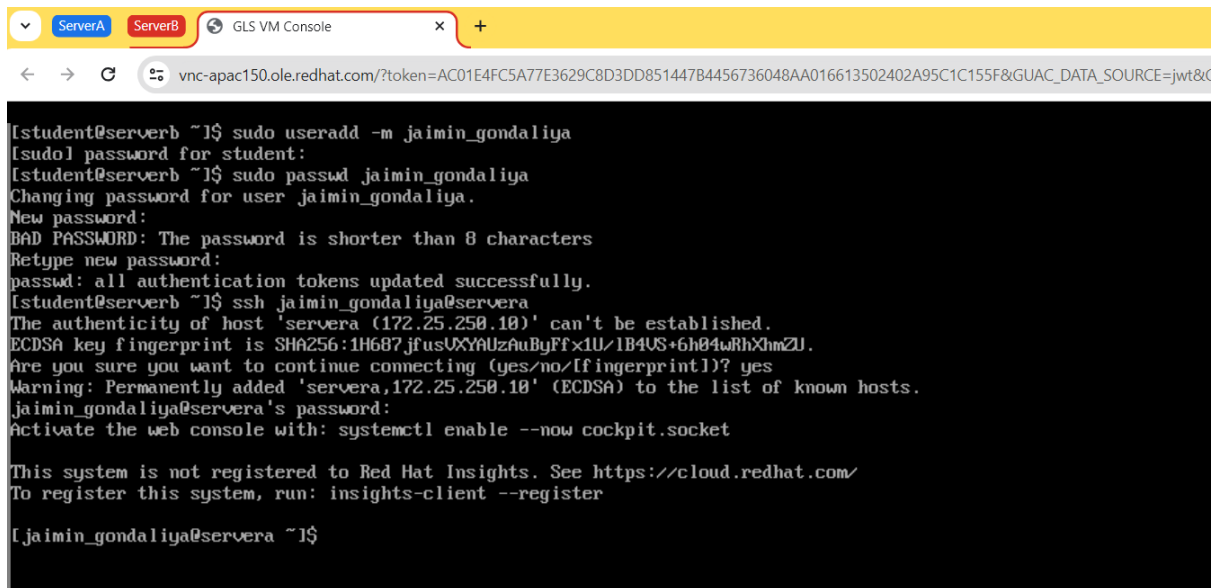
1. Create two users in different machines (servera and serverb) with same name (yourname\_surname) and verify remote access from both ends.  
Commands(servera) – `sudo useradd -m jaimin_gondaliya` , `sudo passwd jaimin_gondaliya`  
Commands(serverb) – `sudo useradd -m jaimin_gondaliya` , `sudo passwd jaimin_gondaliya`  
For verifying run `ssh jaimin_gondaliya@servera` (In server b) , `ssh jaimin_gondaliya@serverb` (In server a)



```
ServerA GLS VM Console x ServerB +
vnc-apac150.ole.redhat.com/?token=07DCE0BF8D8CBFA0696BF6CCA6FE09EFC778A6BCB99E5B6F0AE560FAE4C5C4A3&GUAC_DATA_SOURCE=jwt&GUAC_ID=7f2c947e-bd24-408d-aab6-160abef6...
Hat
[student@servera ~]$ sudo useradd -m jaimin_gondaliya
[sudo] password for student:
[student@servera ~]$ sudo passwd jaimin_gondaliya
Changing password for user jaimin_gondaliya.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
[student@servera ~]$ ssh jaimin_gondaliya@serverb
jaimin_gondaliya@serverb's password:
Activate the web console with: systemctl enable --now cockpit.socket

This system is not registered to Red Hat Insights. See https://cloud.redhat.com/
To register this system, run: insights-client --register

[jaimin_gondaliya@serverb ~]$
```



```
[student@serverb ~]$ sudo useradd -m jaimin_gondaliya
[sudo] password for student:
[student@serverb ~]$ sudo passwd jaimin_gondaliya
Changing password for user jaimin_gondaliya.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
[student@serverb ~]$ ssh jaimin_gondaliya@servera
The authenticity of host 'servera (172.25.250.10)' can't be established.
ECDSA key fingerprint is SHA256:1H687jfusVXYAUzAuByFfx1U/1B4VS+6h04wRhXhmZUJ.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'servera,172.25.250.10' (ECDSA) to the list of known hosts.
jaimin_gondaliya@servera's password:
Activate the web console with: systemctl enable --now cockpit.socket

This system is not registered to Red Hat Insights. See https://cloud.redhat.com/
To register this system, run: insights-client --register

[jaimin_gondaliya@servera ~]$
```

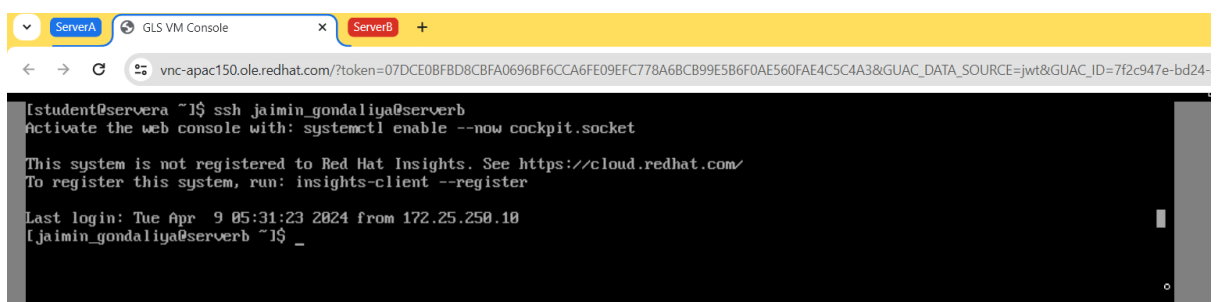
2. Configure one machine (servera) in such a way that if the public key of a remote user is modified, then it gets restored and the user successfully gets remote access to another server.

Modify the known\_hosts serverb key (nano /.ssh/known\_hosts)



```
GNU nano 2.9.8                                known_hosts                                Modified.
serverb,172.25.250.11 ecdsa-sha2-nistp256 AAAAEZUjZlNHhLX##### jaimin#####ltmlzdHAgNTYAAAltmlzdHAgNTYAAABBBGcRq48ar6veuh8P$
servera,172.25.250.10 ecdsa-sha2-nistp256 AAAAEZUjZlNHhLXNoYTItmlzlzdHAgNTYAAAltmlzlzdHAgNTYAAABBBGcRq48ar6veuh8PK9W5mm5zsHsn4XlB8$
```

After Modified user successfully access to serverb from servera



```
[student@servera ~]$ ssh jaimin_gondaliya@serverb
Activate the web console with: systemctl enable --now cockpit.socket

This system is not registered to Red Hat Insights. See https://cloud.redhat.com/
To register this system, run: insights-client --register

Last login: Tue Apr  9 05:31:23 2024 from 172.25.250.10
[jaimin_gondaliya@serverb ~]$ _
```