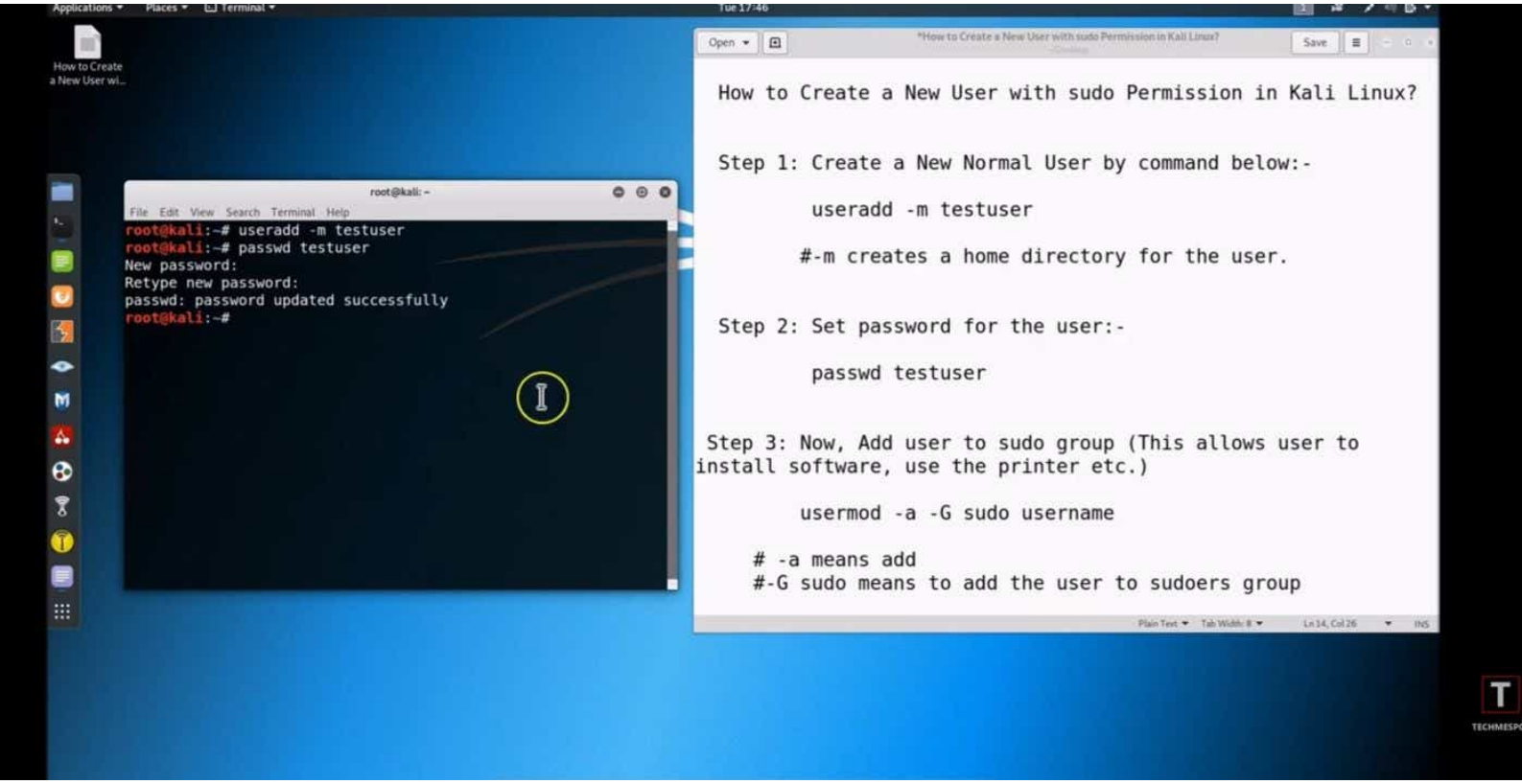
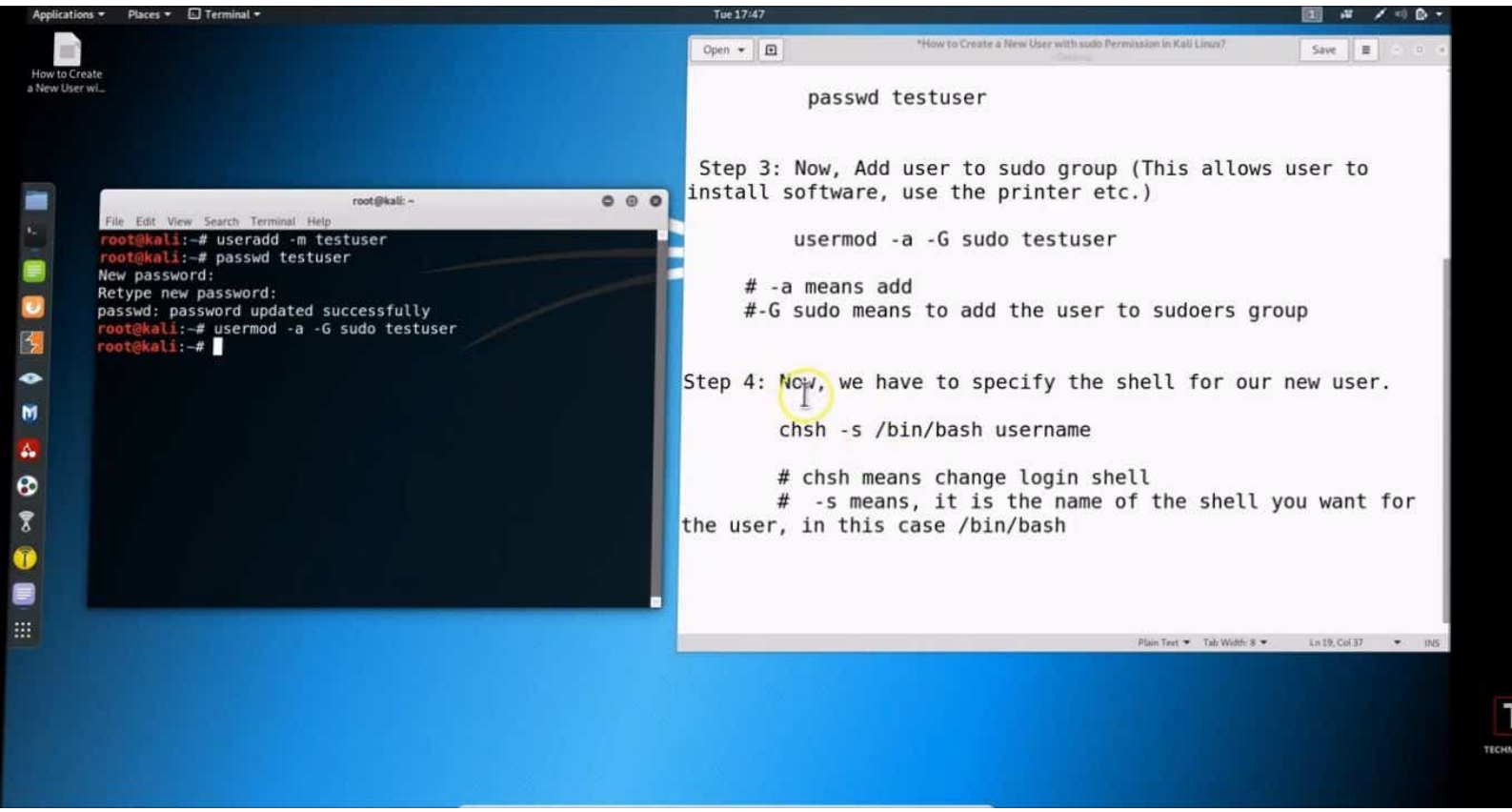
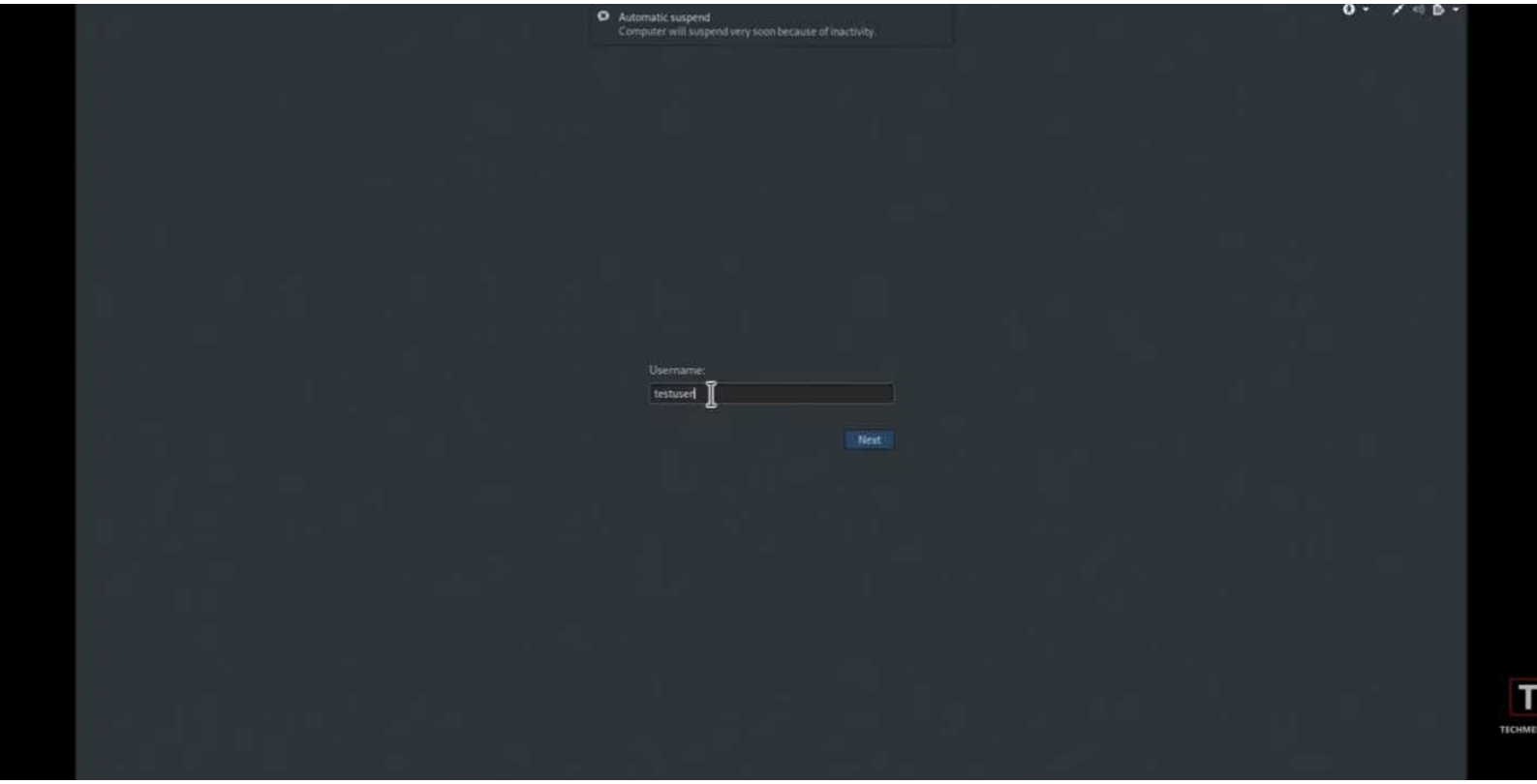
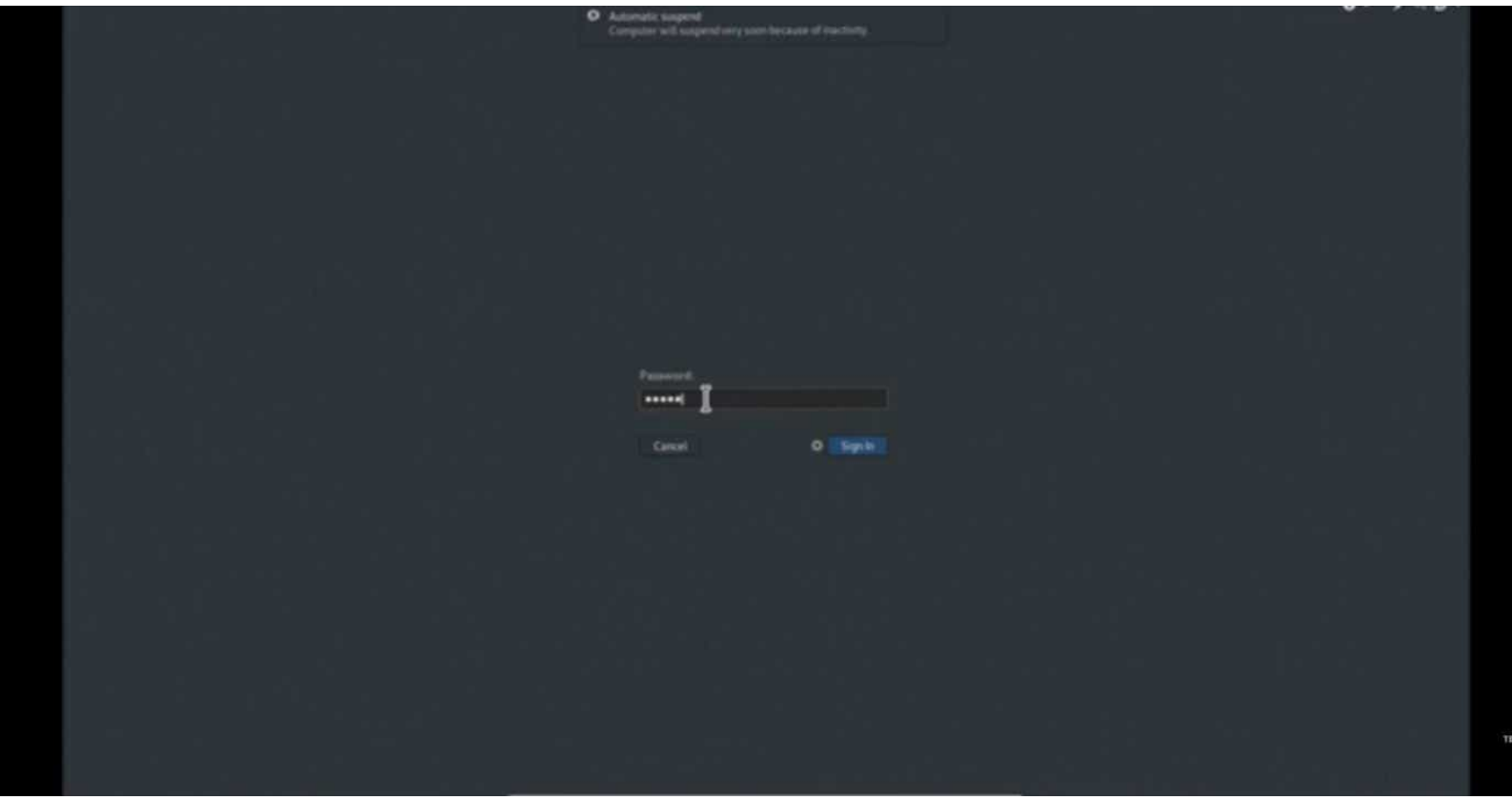
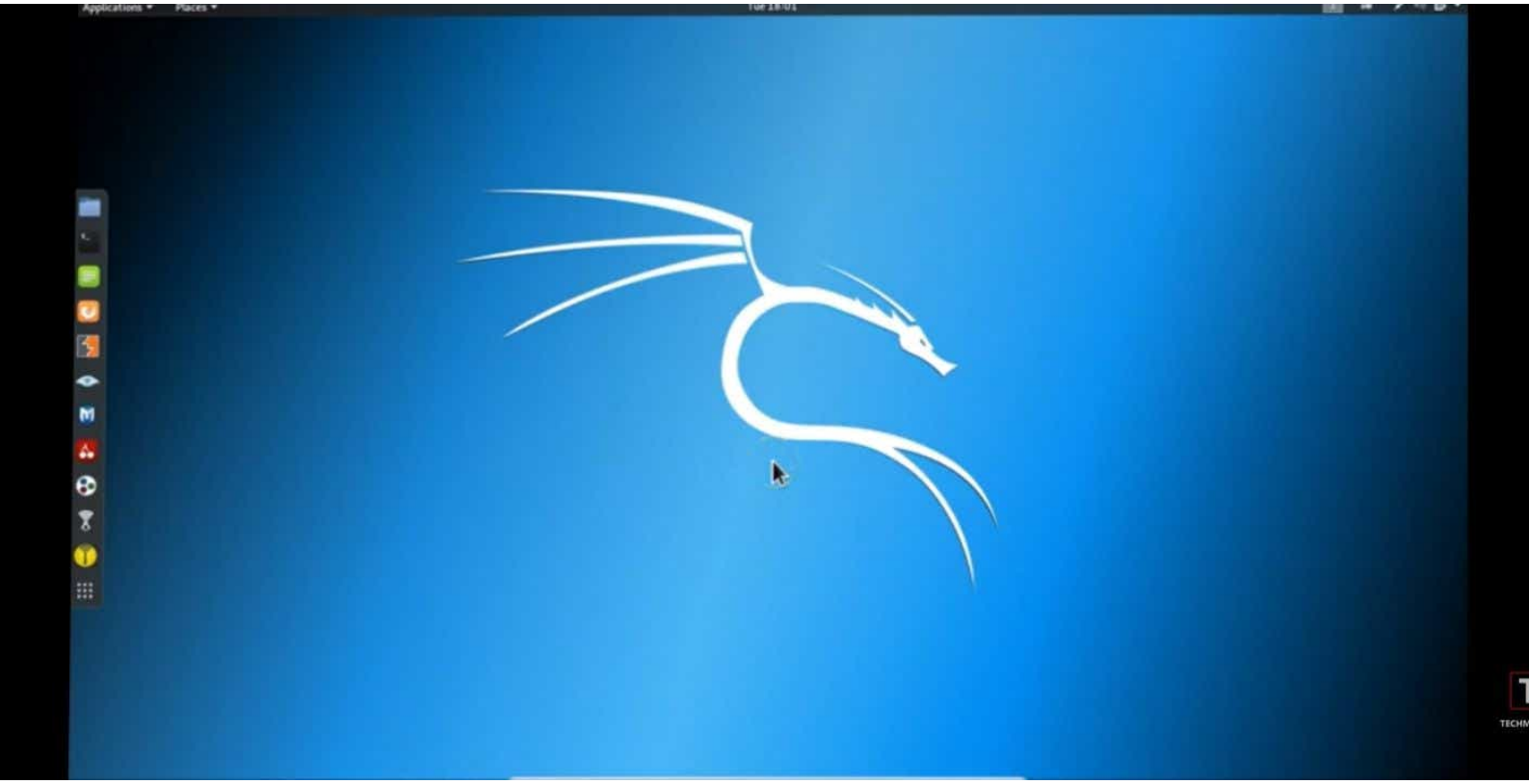
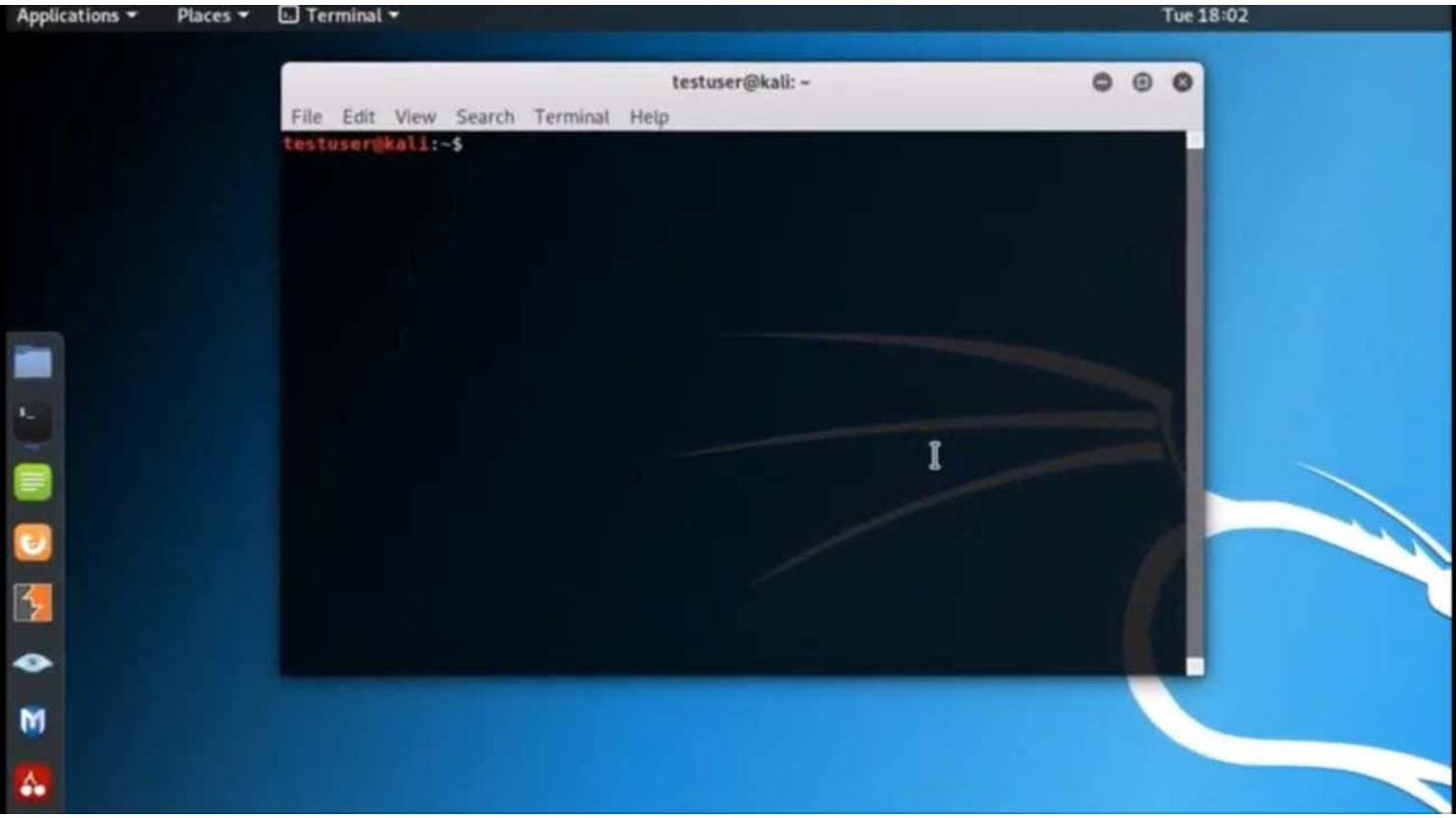

Applications
Places
Terminal
Tue 17:46
How to Create a New User wi...
root@kali: ~
File Edit View Search Terminal Help
root@kali:~# useradd -m testuser
root@kali:~# passwd testuser
New password:
Retype new password:
passwd: password updated successfully
root@kali:~#
Open
*How to Create a New User with sudo Permission in Kali Linux?
Save
How to Create a New User with sudo Permission in Kali Linux?
Step 1: Create a New Normal User by command below:-
useradd -m testuser
#-m creates a home directory for the user.
Step 2: Set password for the user:-
passwd testuser
Step 3: Now, Add user to sudo group (This allows user to install software, use the printer etc.)
usermod -a -G sudo username
-a means add
#-G sudo means to add the user to sudoers group
Plain Text
Tab Width: 8
Ln 14, Col 26
INS

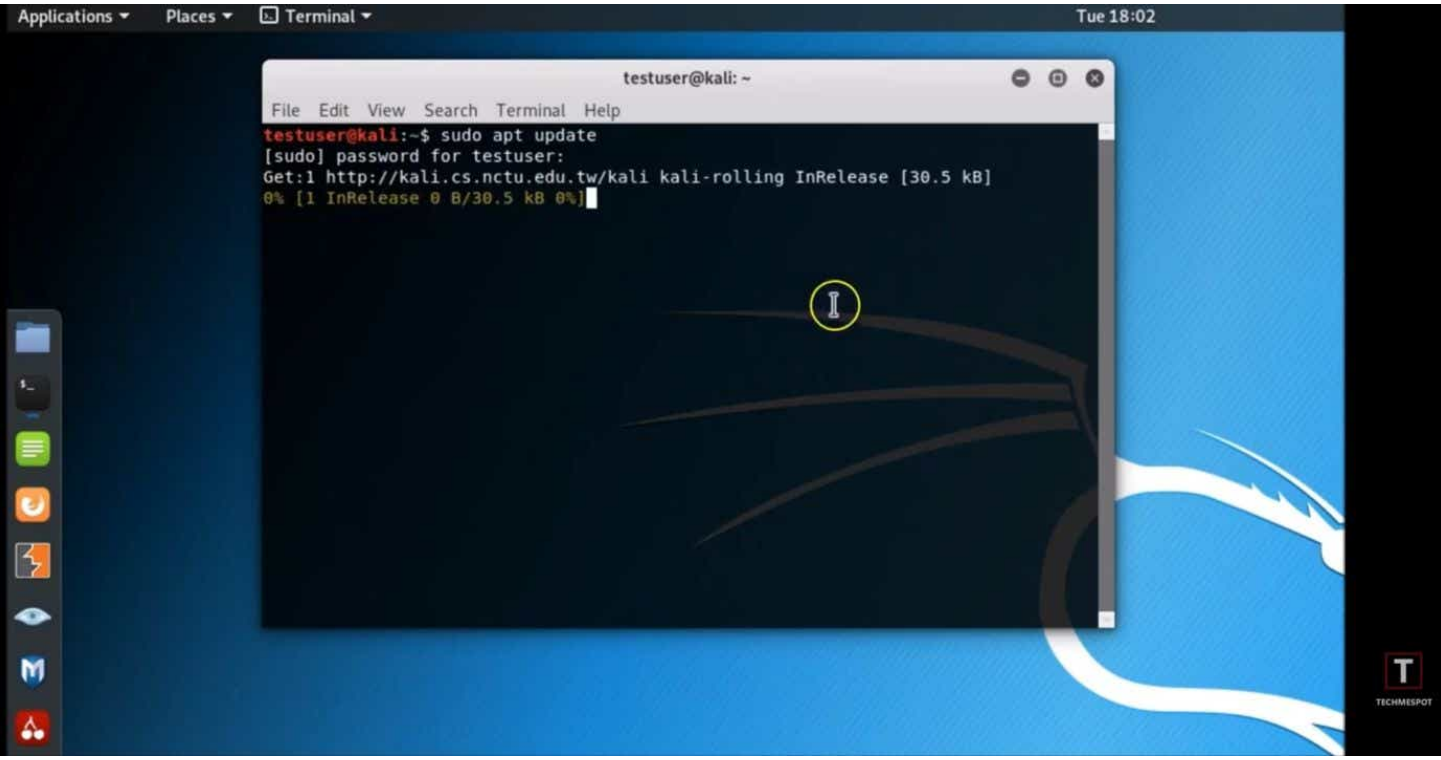

Applications
Places
Terminal
Tue 17:47
How to Create a New User wi...
root@kali: ~
File Edit View Search Terminal Help
root@kali:~# useradd -m testuser
root@kali:~# passwd testuser
New password:
Retype new password:
passwd: password updated successfully
root@kali:~# usermod -a -G sudo testuser
root@kali:~#
*How to Create a New User with sudo Permission in Kali Linux?
Open
Save
passwd testuser
Step 3: Now, Add user to sudo group (This allows user to install software, use the printer etc.)
usermod -a -G sudo testuser
-a means add
#-G sudo means to add the user to sudoers group
Step 4: Now, we have to specify the shell for our new user.
chsh -s /bin/bash username
chsh means change login shell
-s means, it is the name of the shell you want for the user, in this case /bin/bash
Plain Text
Tab Width: 8
Ln 19, Col 37
INS

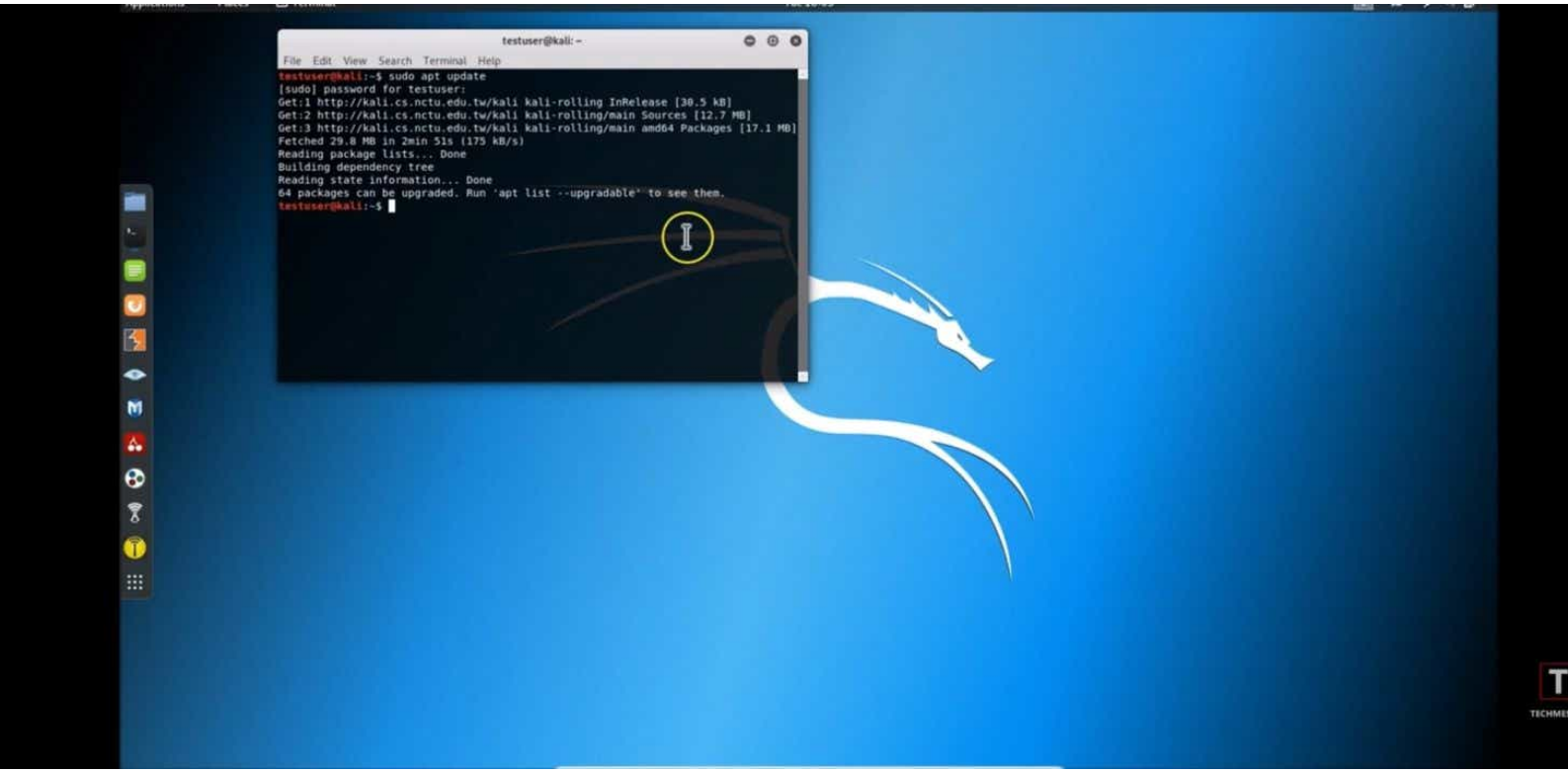

Automatic suspend
Computer will suspend very soon because of inactivity.
Username:
testuser
Next

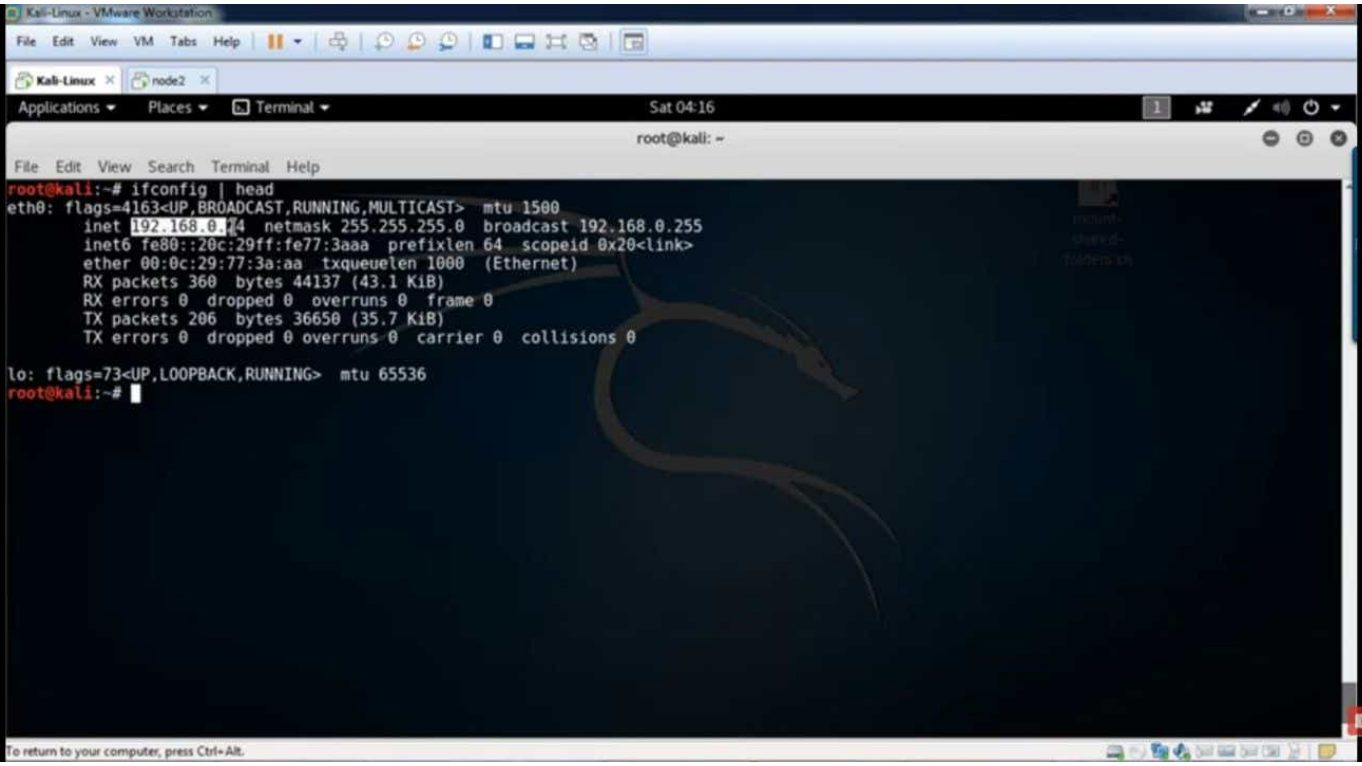

Automatic suspend
Computer will suspend very soon because of inactivity.
Password:
Cancel
Sign In


Applications
Places


Applications
Places
Terminal
Tue 18:02
testuser@kali: ~
File Edit View Search Terminal Help
testuser@kali:~$


Applications
Places
Terminal
Tue 18:02
testuser@kali: ~
File Edit View Search Terminal Help
testuser@kali:~$ sudo apt update
[sudo] password for testuser:
Get:1 http://kali.cs.nctu.edu.tw/kali kali-rolling InRelease [30.5 kB]
0% [1 InRelease 0 B/30.5 kB 0%]


testuser@kali: ~
File Edit View Search Terminal Help
testuser@kali:~$ sudo apt update
[sudo] password for testuser:
Get:1 http://kali.cs.nctu.edu.tw/kali kali-rolling InRelease [30.5 kB]
Get:2 http://kali.cs.nctu.edu.tw/kali kali-rolling/main Sources [12.7 MB]
Get:3 http://kali.cs.nctu.edu.tw/kali kali-rolling/main amd64 Packages [17.1 MB]
Fetched 29.8 MB in 2min 51s (175 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
64 packages can be upgraded. Run 'apt list --upgradable' to see them.
testuser@kali:~$


Kali-Linux - VMware Workstation
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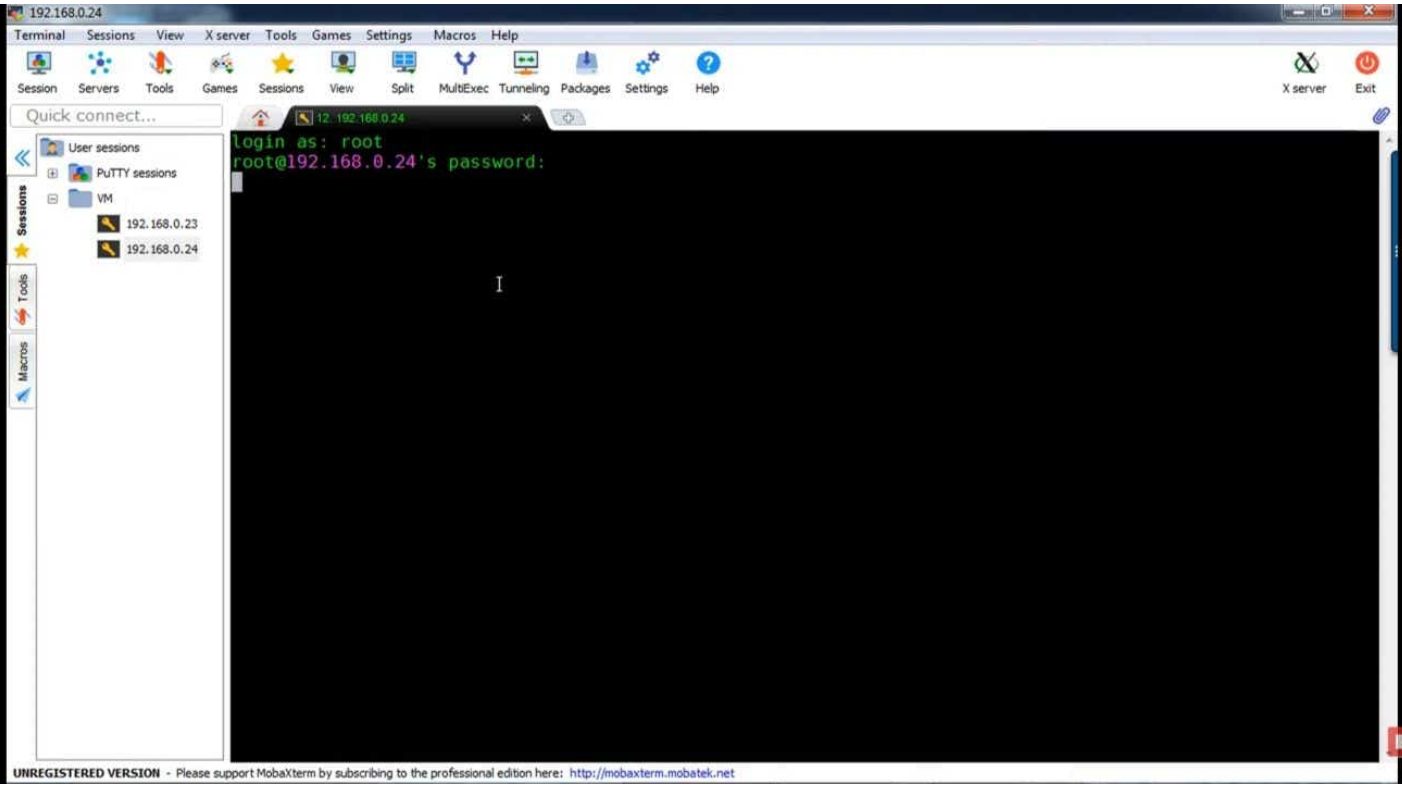
Kali-Linux
node2
Applications
Places
Terminal
Sat 04:16
root@kali: ~
File Edit View Search Terminal Help
root@kali:~# ifconfig | head
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.0.174 netmask 255.255.255.0 broadcast 192.168.0.255
inet6 fe80::20c:29ff:fe77:3aaa prefixlen 64 scopeid 0x20<link>
ether 00:0c:29:77:3a:aa txqueuelen 1000 (Ethernet)
RX packets 360 bytes 44137 (43.1 KiB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 206 bytes 36650 (35.7 KiB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
root@kali:~#
To return to your computer, press Ctrl+Alt.
Subscribe


192.168.0.24
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit
Quick connect...
User sessions
PuTTY sessions
VM
192.168.0.23
192.168.0.24
Sessions
Tools
Macros
login as: root
root@192.168.0.24's password:
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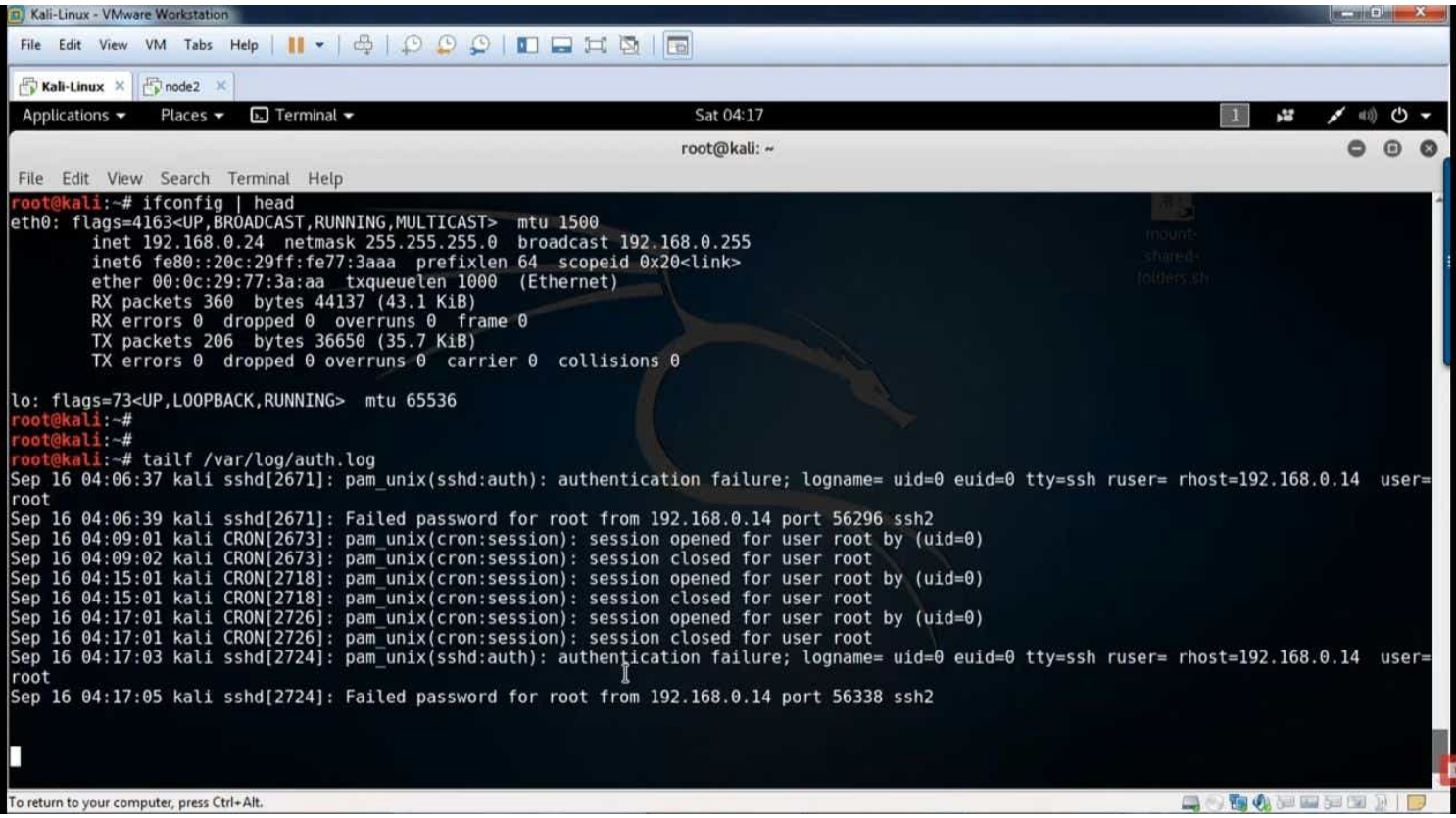
Kali-Linux - VMware Workstation
File Edit View VM Tabs Help
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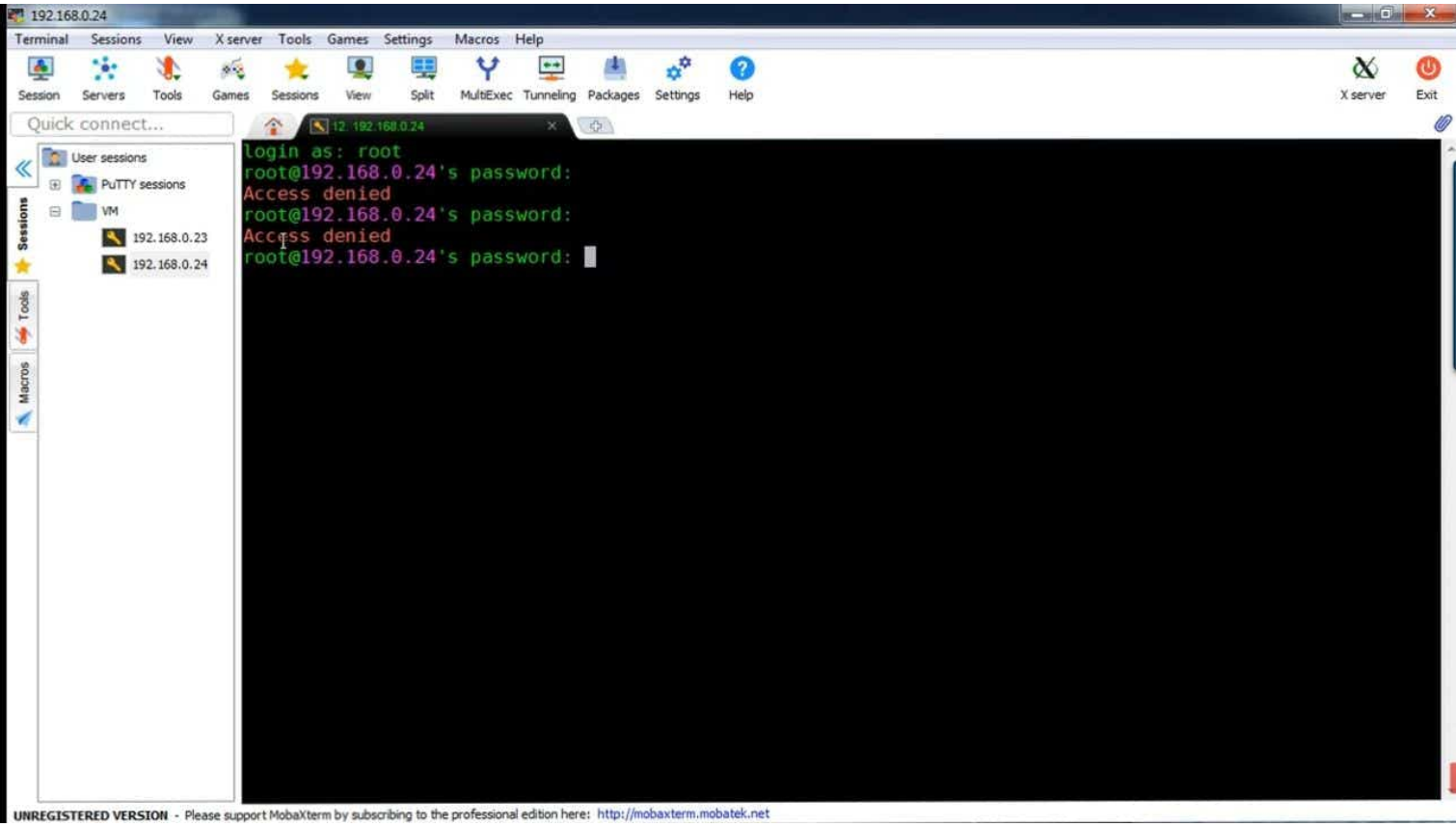
node2
Applications
Places
Terminal
Sat 04:17
root@kali: ~
File Edit View Search Terminal Help
root@kali:~# ifconfig | head
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.0.24 netmask 255.255.255.0 broadcast 192.168.0.255
inet6 fe80::20c:29ff:fe77:3aaa prefixlen 64 scopeid 0x20<link>
ether 00:0c:29:77:3a:aa txqueuelen 1000 (Ethernet)
RX packets 360 bytes 44137 (43.1 KiB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 206 bytes 36650 (35.7 KiB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
root@kali:~#
root@kali:~#
root@kali:~# tailf /var/log/auth.log
Sep 16 04:06:37 kali sshd[2671]: pam_unix(sshd:auth): authentication failure; logname= uid=0 euid=0 tty=ssh ruser= rhost=192.168.0.14 user=root
Sep 16 04:06:39 kali sshd[2671]: Failed password for root from 192.168.0.14 port 56296 ssh2
Sep 16 04:09:01 kali CRON[2673]: pam_unix(cron:session): session opened for user root by (uid=0)
Sep 16 04:09:02 kali CRON[2673]: pam_unix(cron:session): session closed for user root
Sep 16 04:15:01 kali CRON[2718]: pam_unix(cron:session): session opened for user root by (uid=0)
Sep 16 04:15:01 kali CRON[2718]: pam_unix(cron:session): session closed for user root
Sep 16 04:17:01 kali CRON[2726]: pam_unix(cron:session): session opened for user root by (uid=0)
Sep 16 04:17:01 kali CRON[2726]: pam_unix(cron:session): session closed for user root
Sep 16 04:17:03 kali sshd[2724]: pam_unix(sshd:auth): authentication failure; logname= uid=0 euid=0 tty=ssh ruser= rhost=192.168.0.14 user=root
Sep 16 04:17:05 kali sshd[2724]: Failed password for root from 192.168.0.14 port 56338 ssh2
To return to your computer, press Ctrl+Alt.


192.168.0.24
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Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit
Quick connect...
12. 192.168.0.24
User sessions
PuTTY sessions
VM
192.168.0.23
192.168.0.24
Sessions
Tools
Macros
login as: root
root@192.168.0.24's password:
Access denied
root@192.168.0.24's password:
Access denied
root@192.168.0.24's password:
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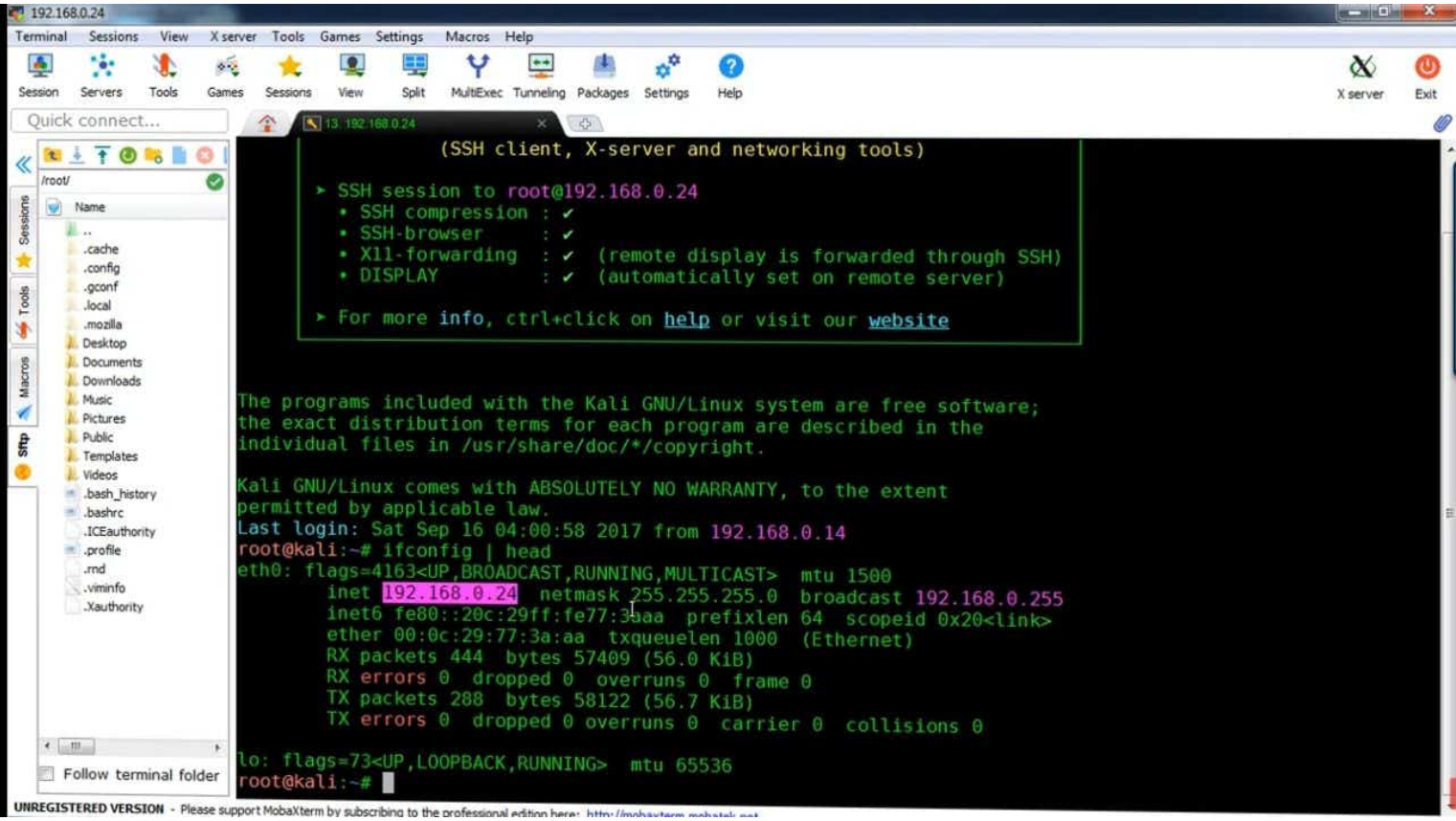
#ListenAddress 0.0.0.0
Protocol 2
HostKeys for protocol version 2
HostKey /etc/ssh/ssh_host_rsa_key
HostKey /etc/ssh/ssh_host_ecdsa_key
HostKey /etc/ssh/ssh_host_ed25519_key
#Privilege Separation is turned on for security
UsePrivilegeSeparation yes
Lifetime and size of ephemeral version 1 server key
KeyRegenerationInterval 3600
ServerKeyBits 1024
Logging
SyslogFacility AUTH
LogLevel INFO
Authentication:
LoginGraceTime 120
PermitRootLogin prohibit-password
StrictModes yes
"/etc/ssh/sshd_config" 87L, 2508C
Subscribe


192.168.0.24
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit
Quick connect...
13. 192.168.0.24
(SSH client, X-server and networking tools)
▸ SSH session to root@192.168.0.24
• SSH compression : ✔
• SSH-browser : ✔
• X11-forwarding : ✔ (remote display is forwarded through SSH)
• DISPLAY : ✔ (automatically set on remote server)
▸ For more info, ctrl+click on help or visit our website
The programs included with the Kali GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Kali GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Sat Sep 16 04:00:58 2017 from 192.168.0.14
root@kali:~# ifconfig | head
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.0.24 netmask 255.255.255.0 broadcast 192.168.0.255
inet6 fe80::20c:29ff:fe77:3aaa prefixlen 64 scopeid 0x20<link>
ether 00:0c:29:77:3a:aa txqueuelen 1000 (Ethernet)
RX packets 444 bytes 57409 (56.0 KiB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 288 bytes 58122 (56.7 KiB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
root@kali:~#
/root/
Name
.cache
.config
.gconf
.local
.mozilla
Desktop
Documents
Downloads
Music
Pictures
Public
Templates
Videos
.bash_history
.bashrc
.ICEauthority
.profile
.rnd
.viminfo
.Xauthority
Follow terminal folder
Sessions Tools Macros Sftp
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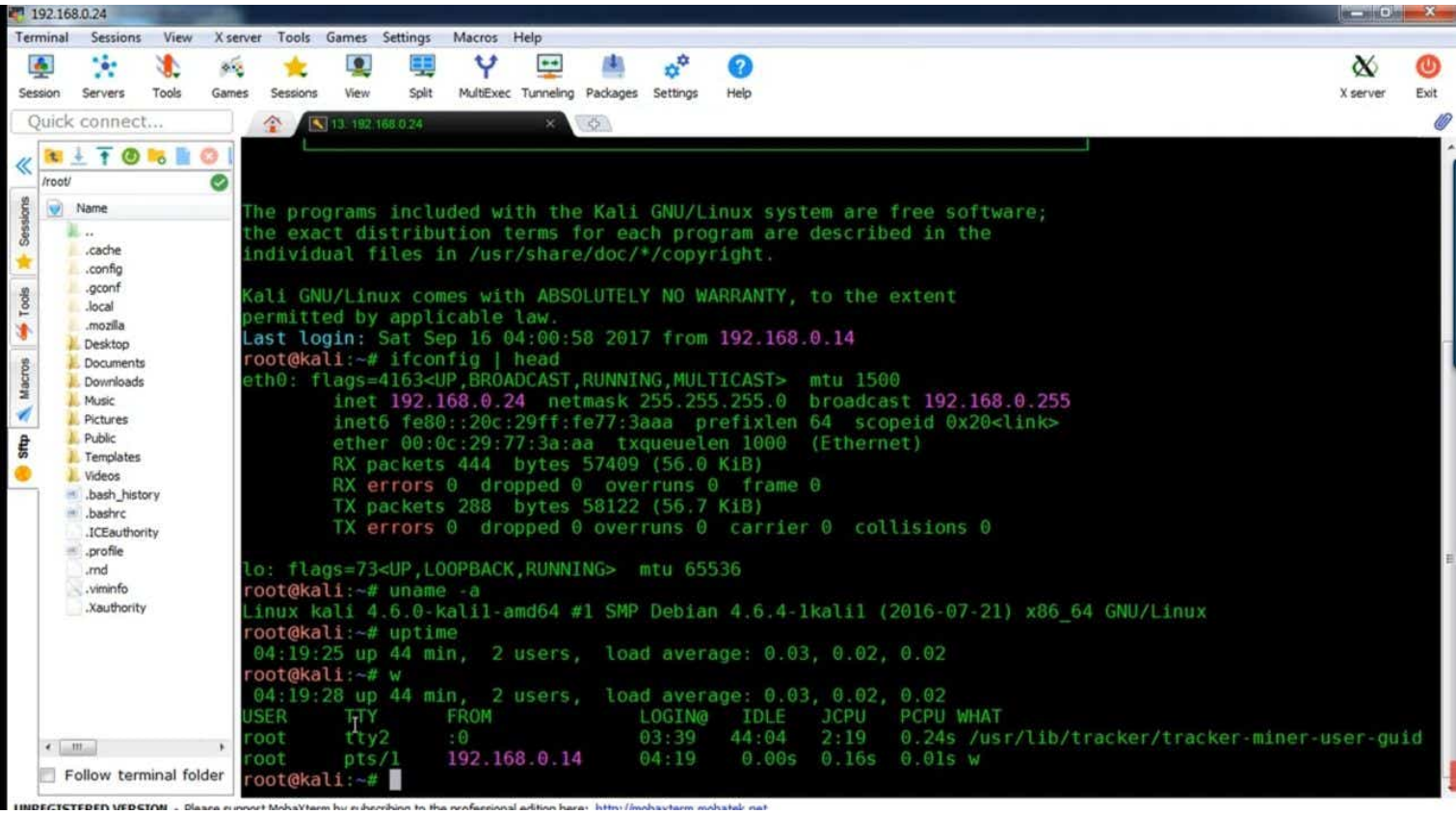
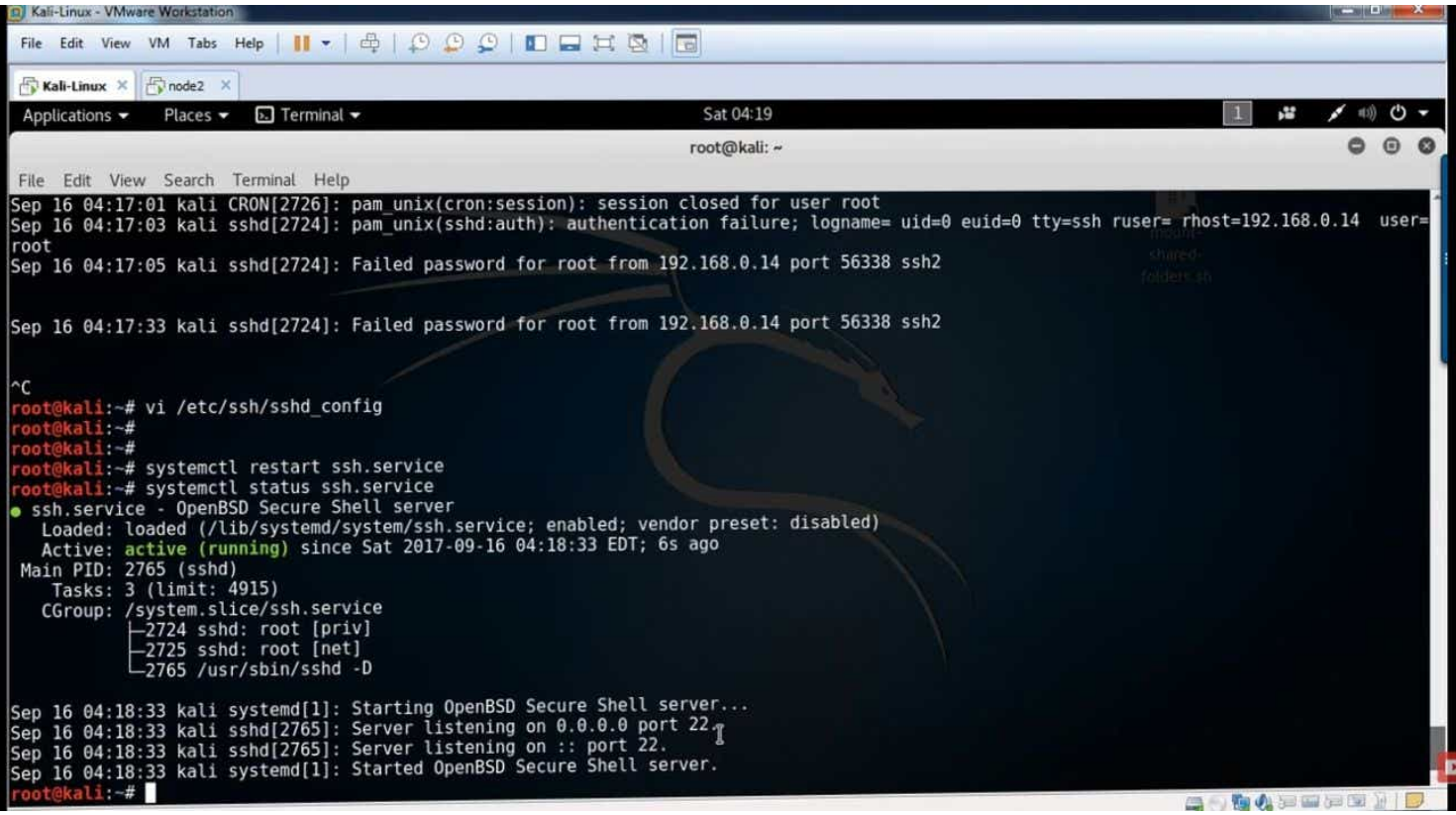

192.168.0.24
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit
Quick connect...
1: 192.168.0.24
/root/
Name
.cache
.config
.gconf
.local
.mozilla
Desktop
Documents
Downloads
Music
Pictures
Public
Templates
Videos
.bash_history
.bashrc
.ICEauthority
.profile
.rnd
.viminfo
.Xauthority
Follow terminal folder
Sessions Tools Macros Sftp
The programs included with the Kali GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Kali GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Sat Sep 16 04:00:58 2017 from 192.168.0.14
root@kali:~# ifconfig | head
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.0.24 netmask 255.255.255.0 broadcast 192.168.0.255
inet6 fe80::20c:29ff:fe77:3aaa prefixlen 64 scopeid 0x20<link>
ether 00:0c:29:77:3a:aa txqueuelen 1000 (Ethernet)
RX packets 444 bytes 57409 (56.0 KiB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 288 bytes 58122 (56.7 KiB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
root@kali:~# uname -a
Linux kali 4.6.0-kali1-amd64 #1 SMP Debian 4.6.4-1kali1 (2016-07-21) x86_64 GNU/Linux
root@kali:~# uptime
04:19:25 up 44 min, 2 users, load average: 0.03, 0.02, 0.02
root@kali:~# w
04:19:28 up 44 min, 2 users, load average: 0.03, 0.02, 0.02
USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT
root tty2 :0 03:39 44:04 2:19 0.24s /usr/lib/tracker/tracker-miner-user-guid
root pts/1 192.168.0.14 04:19 0.00s 0.16s 0.01s w
root@kali:~#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Terminal
Sat 04:19
root@kali: ~
File Edit View Search Terminal Help
Sep 16 04:17:01 kali CRON[2726]: pam_unix(cron:session): session closed for user root
Sep 16 04:17:03 kali sshd[2724]: pam_unix(sshd:auth): authentication failure; logname= uid=0 euid=0 tty=ssh ruser= rhost=192.168.0.14 user=
root
Sep 16 04:17:05 kali sshd[2724]: Failed password for root from 192.168.0.14 port 56338 ssh2
Sep 16 04:17:33 kali sshd[2724]: Failed password for root from 192.168.0.14 port 56338 ssh2
^C
root@kali:~# vi /etc/ssh/sshd_config
root@kali:~#
root@kali:~#
root@kali:~# systemctl restart ssh.service
root@kali:~# systemctl status ssh.service
● ssh.service - OpenBSD Secure Shell server
Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: disabled)
Active: active (running) since Sat 2017-09-16 04:18:33 EDT; 6s ago
Main PID: 2765 (sshd)
Tasks: 3 (limit: 4915)
CGroup: /system.slice/ssh.service
├─2724 sshd: root [priv]
├─2725 sshd: root [net]
└─2765 /usr/sbin/sshd -D
Sep 16 04:18:33 kali systemd[1]: Starting OpenBSD Secure Shell server...
Sep 16 04:18:33 kali sshd[2765]: Server listening on 0.0.0.0 port 22.
Sep 16 04:18:33 kali sshd[2765]: Server listening on :: port 22.
Sep 16 04:18:33 kali systemd[1]: Started OpenBSD Secure Shell server.
root@kali:~#

1. Using SSH

If you need to do a push without username and password prompt, but you are always prompted, then your origin remote is pointing at the https url rather than the ssh url.

A way to skip typing my username/password when using https://github, is by changing the HTTPs origin remote which pointing to an HTTP url into an SSH url.

> *For example,*
> *https url:*
> *https://github.com/<Username>/<Project>.git*
>
> *ssh url: git@github.com:*

<Username>/<Project>.git

to change the url.

Switching remote URLs from HTTPS to SSH

Open Terminal (for Mac and Linux users) or the command prompt (for Windows).

Change the current working directory to your local project.

List your existing remotes in order to get the name of the remote you want to change.

git remote -v
$ origin
https://github.com/USERNAME/REPO

SITORY.git (fetch)
$ origin
https://github.com/USERNAME/REPO
SITORY.git (push)
Change your remote's URL from HTTPS to SSH with the git remote set-url command.

git remote set-url origin
git@github.com:USERNAME/OTHERR
EPOSITORY.git
Verify that the remote URL has changed.

> *git remote -v*
> *$ Verify new remote URL*
> *$ origin*
> *git@github.com:USERNAME/OTHERRE*
> *POSITORY.git (fetch)*
> *$ origin*

```
$ origin
git@github.com:USERNAME/OTHERREPOSITORY.git (push)
```

2. Using Static configuration

Static configuration of usernames for a given authentication context.

It is generally configured by adding this to your config:

```
[credential "https://example.com"]
username = me
```

The password was not declared because of security reasons. It is not advisable to store your password on an unsecure storage.

3. Credential helpers to cache or store passwords, or to interact with a system password wallet or keychain.

These are external programs from which Git can request both usernames and passwords
To use a helper, you must first select one to use. Git currently includes the following helpers:

cache: Cache credentials in memory for a short period of time.
store: Store credentials indefinitely on disk.

Steps:

a.Find a helper.

> *$ git help -a | grep credential-*
> *credential-foo*

> *$ git help credential-foo*

c.Tell Git to use it.

> *$ git config — global credential.helper foo*

Reference

1. https://help.github.com/articles/changing-a-remote-s-url/

2. http://stackoverflow.com/questions/14762034/push-to-github-without-password-using-ssh-key

3. http://git-scm.com/docs/gitcredentials