


```
How to enable SSH in... vivek@vivek:~
08:45 PM 62%

vivek@vivek:~
File Actions Edit View Help

vivek@vivek:~ vivek@vivek:~

[vivek vivek] - [~] - [2021-01-04 02:14:29]
[0] sudo apt-get install ssh
[sudo] password for vivek:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  android-libbacktrace android-libb2fs-utils android-libsparse
  android-libunwind android-libutils android-libziparchive
  galera-3 libconfig-inifiles-perl libdbd-mariadb-perl
  libdbi-perl libf2fs-format4 libf2fs5 libgdal27 libgeos-3.8.1
  libhtml-template-perl libllvm10 libmicrohttpd12 libperl5.30
  libplymouth4 libpython3.8 libpython3.8-dev
  libpython3.8-minimal libpython3.8-stdlib libreadline5
  libterm-readkey-perl libwireshark13 libwiretap10 libwsutil11
  libxcb-util0 linux-image-5.9.0-kali1-amd64
  linux-image-5.9.0-kali2-amd64 python3-h2 python3-hpack
  python3-hyperframe python3.8 python3.8-dev python3.8-minimal
  rsync
Use 'sudo apt autoremove' to remove them.
The following NEW packages will be installed:
  ssh
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
Need to get 251 kB of archives.
After this operation, 268 kB of additional disk space will be used.
Get:1 http://ftp.harukasan.org/kali kali-rolling/main amd64 ssh
all 1:8.4p1-3 [251 kB]
Fetched 251 kB in 17s (14.6 kB/s)
Selecting previously unselected package ssh.
(Reading database ... 285053 files and directories currently installed.)
Preparing to unpack .../ssh_1%3a8.4p1-3_all.deb ...
Unpacking ssh (1:8.4p1-3) ...
Setting up ssh (1:8.4p1-3) ...
```

```
How to enable SSH in... systemctl status ssh.... 08:51 PM 60%
systemctl status ssh.socket

File Actions Edit View Help

[vivek vivek] - [~] - [2021-01-04 02:19:39]
[0] ◇ sudo systemctl start ssh.socket
[sudo] password for vivek:
[vivek vivek] - [~] - [2021-01-04 02:20:03]
[0] ◇ sudo systemctl enable ssh.socket
Created symlink /etc/systemd/system/sockets.target.wants/ssh.socket → /lib/systemd/system/ssh.socket.
[vivek vivek] - [~] - [2021-01-04 02:20:22]
[0] ◇ system status ssh.socket
zsh: command not found: system
[vivek vivek] - [~] - [2021-01-04 02:20:44]
[127] ◇ systemctl status ssh.socket
● ssh.socket - OpenBSD Secure Shell server socket
   Loaded: loaded (/lib/systemd/system/ssh.socket; enabled; vendor preset: d
   Active: active (listening) since Mon 2021-01-04 02:20:03 IST; 57s ago
   Listen: [::]:22 (Stream)
  Accepted: 0; Connected: 0;
    Tasks: 0 (limit: 4365)
    Memory: 8.0K
    CGroup: /system.slice/ssh.socket

... skipping ...
● ssh.socket - OpenBSD Secure Shell server socket
   Loaded: loaded (/lib/systemd/system/ssh.socket; enabled; vendor preset: d
   Active: active (listening) since Mon 2021-01-04 02:20:03 IST; 57s ago
   Listen: [::]:22 (Stream)
  Accepted: 0; Connected: 0;
    Tasks: 0 (limit: 4365)
    Memory: 8.0K
    CGroup: /system.slice/ssh.socket

~
~
~
~
~
lines 1-8/8 (END) ... skipping ...
● ssh.socket - OpenBSD Secure Shell server socket
```


MINGW64:/c/Users/vivek

```
$ ssh bob@192.168.1.104
The authenticity of host '192.168.1.104 (192.168.1.104)' can't be established.
ECDSA key fingerprint is SHA256:kkxqq/0xcNG/b8lBoneu+9nFGGr2HiJAbKHIXslpvYFw.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.1.104' (ECDSA) to the list of known hosts.
bob@192.168.1.104's password:
Linux vivek 5.9.0-kali5-amd64 #1 SMP Debian 5.9.15-1kali1 (2020-12-18) x86_64
```

```
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: Mon Jan  4 02:46:11 2021 from 192.168.1.100
```

```
└─ (Message from Kali developers)
```

```
| We have kept /usr/bin/python pointing to Python 2 for backwards
| compatibility. Learn how to change this and avoid this message:
| = https://www.kali.org/docs/general-use/python3-transition/
|
```

```
└─ (Run "touch ~/.hushlogin" to hide this message)
```

```
$
$
$
```



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MINGW64:/c/Users/vivek

```
$ ssh bob@192.168.1.104
```

```
Linux vivek 5.9.0-kali5-amd64 #1 SMP Debian 5.9.15-1kali1 (2020-12-18) x86_64
```

```
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```
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```

```
Last login: Mon Jan  4 02:51:57 2021 from 192.168.1.104
```

```
└─ (Message from Kali developers)
```

```
| We have kept /usr/bin/python pointing to Python 2 for backwards  
| compatibility. Learn how to change this and avoid this message:  
| = https://www.kali.org/docs/general-use/python3-transition/
```

```
| └─ (Run "touch ~/.hushlogin" to hide this message)
```

```
$ |
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MINGW64:/c/Users/vivek

```
$ ssh bob@192.168.1.104
The authenticity of host '192.168.1.104 (192.168.1.104)' can't be established.
ECDSA key fingerprint is SHA256:kkxqq/0xcNG/b8lBoneu+9nFG2HiJAbKHIXslpvYFw.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.1.104' (ECDSA) to the list of known hosts.
bob@192.168.1.104's password:
Linux vivek 5.9.0-kali5-amd64 #1 SMP Debian 5.9.15-1kali1 (2020-12-18) x86_64

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Last login: Mon Jan  4 02:46:11 2021 from 192.168.1.100
_ _ (Message from Kali developers)
|
| We have kept /usr/bin/python pointing to Python 2 for backwards
| compatibility. Learn how to change this and avoid this message:
| = https://www.kali.org/docs/general-use/python3-transition/
|
| _ (Run "touch ~/.hushlogin" to hide this message)
$
$
$ uname -a
Linux vivek 5.9.0-kali5-amd64 #1 SMP Debian 5.9.15-1kali1 (2020-12-18) x86_64 GNU/Linux
$
```



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```
$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/bob/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/bob/.ssh/id_rsa
Your public key has been saved in /home/bob/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:q161ESQno8iacn5wTVAzZUTRX9CiUtb6ABV2n0qrtns bob@vivek
The key's randomart image is:
+---[RSA 3072]-----+
|  ..++X+*ooo          |
|  . o =.B+.o.o.       |
|  o o  +.+.oo         |
|  o o  . +o.o         |
|  = . . S.ooo         |
|  + o    o +.         |
|  . .   o +           |
|  . o . .E            |
|  .o   oo             |
+---[SHA256]-----+
$
```



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```
$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/bob/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/bob/.ssh/id_rsa
Your public key has been saved in /home/bob/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:q161ESQno8iacn5wTVAzZUTRX9CiUtb6ABV2n0qrtns bob@vivek
The key's randomart image is:
```

```
+---[RSA 3072]-----+
| ..++X+*ooo |
| . o =.B+.o.o. |
| o o +.+oo |
| o o . +o.o |
| . = . . S.ooo |
| + o o +. |
| . . o + |
| . o . .E |
| .o oo |
+---[SHA256]-----+
```

```
$ ssh-copy-id bob@192.168.1.104
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/bob/.ssh/id_rsa.pub"
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new keys
bob@192.168.1.104's password:
```

Number of key(s) added: 1

Now try logging into the machine, with: "ssh 'bob@192.168.1.104'"
and check to make sure that only the key(s) you wanted were added.

```
$
```



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```
$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/bob/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/bob/.ssh/id_rsa
Your public key has been saved in /home/bob/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:q161ESQno8iacn5wTVAzZUTRX9CiUtb6ABV2n0qrtns bob@vivek
The key's randomart image is:
+---[RSA 3072]-----+
| ..++X+*ooo |
| . o =.B+.o.o. |
| o o +.+..oo |
| o o . +o.o |
| . = . . S.ooo |
| + o o +. |
| . . o + |
| . o . .E |
| .o oo |
+---[SHA256]-----+
$ ssh-copy-id bob@192.168.1.104
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/bob/.ssh/id_rsa.pub"
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed
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Number of key(s) added: 1

Now try logging into the machine, with: "ssh 'bob@192.168.1.104'"
and check to make sure that only the key(s) you wanted were added.

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|
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