```
root@ghostVM:/home/ghost# sudo systemctl enable --now ssh
Synchronizing state of ssh.service with SysV service script with /usr/lib/system
d/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable ssh
Created symlink /etc/systemd/system/sshd.service → /usr/lib/systemd/system/ssh.s
ervice.
Created symlink /etc/systemd/system/multi-user.target.wants/ssh.service → /usr/l
ib/systemd/system/ssh.service.
root@ghostVM:/home/ghost# sudo systemctl status ssh
● ssh.service - OpenBSD Secure Shell server
     Loaded: loaded (/usr/lib/systemd/system/ssh.service; enabled; preset: enab
     Active: active (running) since Sun 2025-11-30 19:37:30 IST; 15s ago
TriggeredBy: ● ssh.socket
       Docs: man:sshd(8)
             man:sshd_config(5)
    Process: 6912 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
   Main PID: 6913 (sshd)
      Tasks: 1 (limit: 4545)
     Memory: 1.2M (peak: 1.5M)
        CPU: 15ms
     CGroup: /system.slice/ssh.service
             └─6913 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Nov 30 19:37:30 ghostVM systemd[1]: Starting ssh.service - OpenBSD Secure Shell
```

```
root@ghostVM:/home/ghost# ip a | grep inet
    inet 127.0.0.1/8 scope host lo
    inet6 ::1/128 scope host noprefixroute
    inet 192.168.220.132/24 brd 192.168.220.255
```

```
root@VOID  /home/ghost
# ssh-keygen -t rsa -f /root/exp6key1

Generating public/private rsa key pair.
Enter passphrase for "/root/exp6key1" (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /root/exp6key1
Your public key has been saved in /root/exp6key1.pub
The key fingerprint is:
SHA256:rSfhfNfUQSyjRco1vlFMVsAi0V4ajWSd3sKJ+2O5Sw4 root@VOID
The key's randomart image is:
+---[RSA 3072]----+
|        .++O=Bo|
|        o.O+@o |
|         =o@o+ |
|       . .+ B.o|
|      S .  o...|
|       o o  .o |
|        = o E.o.|
|         + . += |
|            .++ |
+----[SHA256]-----+
```

```
root@VOID  /home/ghost
# ssh-copy-id -i /root/exp6key1.pub ghost@192.168.220.132

/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/root/exp6key1.
pub"
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filte
r out any that are already installed
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prom
pted now it is to install the new keys
ghost@192.168.220.132's password:
Permission denied, please try again.
ghost@192.168.220.132's password:

Number of key(s) added: 1

Now try logging into the machine, with: "ssh -i /root/exp6key1 'ghost@192.168.
220.132'"
and check to make sure that only the key(s) you wanted were added.
```

```
root@VOID  /home/ghost
# ssh -i /root/exp6key1 ghost@192.168.220.132

Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.14.0-36-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/pro

Expanded Security Maintenance for Applications is not enabled.

102 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Sun Nov 30 20:36:57 2025 from 192.168.220.129
ghost@ghostVM:~$
```

```
                              root@ghostVM: /etc/ssh                    🔍  ☰  ─  □  ✕
  GNU nano 7.2                      sshd_config *
# possible, but leave them commented.  Uncommented options override the
# default value.

Include /etc/ssh/sshd_config.d/*.conf

# When systemd socket activation is used (the default), the socket
# configuration must be re-generated after changing Port, AddressFamily, or
# ListenAddress.
#
# For changes to take effect, run:
#
#    systemctl daemon-reload
#    systemctl restart ssh.socket
#
Port 22
#AddressFamily any
#ListenAddress 0.0.0.0
#ListenAddress ::

#HostKey /etc/ssh/ssh_host_rsa_key

^G Help       ^O Write Out  ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit       ^R Read File  ^\ Replace   ^U Paste     ^J Justify   ^/ Go To Line
```

```
root@ghostVM:/etc/ssh# sudo ufw allow 2222/tcp
Rules updated
Rules updated (v6)
```