1. Download tar file

| 📄 nebula-linux-amd64.tar.gz | 2025/9/16 14:54 | Bandizip.gz |

2. Unzip

```
undefined@Undefined:/mnt/c/study/云计算导论$ tar -xzvf nebula-linux-amd64.tar.gz
nebula
nebula-cert
undefined@Undefined:/mnt/c/study/云计算导论$
```

3. Copy certificates, config.yml and keys into the file

名称	修改日期	类型	大小
🔒 ca	2025/9/16 14:08	安全证书	
🔶 config	2025/9/16 14:14	YML 文件	
📄 nebula	2025/7/18 20:49	文件	17,
📄 nebula-cert	2025/7/18 20:49	文件	6,
🔒 sunyixuan	2025/9/16 14:19	安全证书	
📄 sunyixuan.key	2025/9/16 14:19	KEY 文件	

4. Change pki in config.yaml

```
config.yaml                    ×

1   # This is the nebula example configur
2   # Some options in this file are HUPab
3
4   # PKI defines the location of credent
5   pki:
6     # The CAs that are accepted by this
7     ca: ./ca.crt
8     cert: ./sunyixuan.crt
9     key: ./sunyixuan.key
10    # blocklist is a list of certificat
11   #blocklist:
```

5. Start nebula, handshake message received

```
undefined@Undefined:/mnt/c/study/云计算导论/nebula-linux$ sudo ./nebula -config ./config.yaml
INFO[0000] Firewall rule added                    firewallRule="map[caName: caSha: direction:outgoing endPort:0 g
roups:[] host:any ip: localIp: proto:0 startPort:0]"
INFO[0000] Firewall rule added                    firewallRule="map[caName: caSha: direction:incoming endPort:0 g
roups:[] host:any ip: localIp: proto:0 startPort:0]"
INFO[0000] Firewall started                       firewallHashes="SHA:498215dec4e5687a2353f51c10838c113bd1af35ef7
2b8e8c9f536986ada5417,FNV:2782948616"
INFO[0000] listening on 0.0.0.0:554
INFO[0000] Main HostMap created                   network=192.168.100.149/24 preferredRanges="[]"
INFO[0000] punchy enabled
INFO[0000] Loaded send_recv_error config          sendRecvError=always
INFO[0000] Nebula interface is active             boringcrypto=false build=1.9.6 interface=nebula1 network=192.16
8.100.149/24 udpAddr="0.0.0.0:554"
INFO[0000] Handshake message sent                 handshake="map[stage:1 style:ix_psk0]" initiatorIndex=358504962
8 localIndex=3585049628 remoteIndex=0 udpAddrs="[104.243.20.247:554]" vpnIp=192.168.100.1
INFO[0000] Handshake message received             certName=lighthouse durationNs=171511473 fingerprint=fbf998b866
c8275810bdbe0c175cd7cbf31be03d0adc2a831ae16f9669a52617 handshake="map[stage:2 style:ix_psk0]" initiatorIndex=3585049628
issuer=e430f526e15e22fd11dbb26e9482945865f17aa42c800481e56f68d087c892c0 remoteIndex=3585049628 responderIndex=1221604799
 sentCachedPackets=2 udpAddr="104.243.20.247:554" vpnIp=192.168.100.1
```

6. Ping 192.168.100.1 to test network

```
undefined@Undefined:~$ ping 192.168.100.1
PING 192.168.100.1 (192.168.100.1) 56(84) bytes of data.
64 bytes from 192.168.100.1: icmp_seq=924 ttl=64 time=339 ms
64 bytes from 192.168.100.1: icmp_seq=925 ttl=64 time=166 ms
64 bytes from 192.168.100.1: icmp_seq=926 ttl=64 time=166 ms
64 bytes from 192.168.100.1: icmp_seq=927 ttl=64 time=167 ms
64 bytes from 192.168.100.1: icmp_seq=928 ttl=64 time=166 ms
64 bytes from 192.168.100.1: icmp_seq=929 ttl=64 time=165 ms
64 bytes from 192.168.100.1: icmp_seq=930 ttl=64 time=166 ms
64 bytes from 192.168.100.1: icmp_seq=931 ttl=64 time=166 ms
64 bytes from 192.168.100.1: icmp_seq=932 ttl=64 time=168 ms
64 bytes from 192.168.100.1: icmp_seq=933 ttl=64 time=165 ms
64 bytes from 192.168.100.1: icmp_seq=934 ttl=64 time=166 ms
64 bytes from 192.168.100.1: icmp_seq=935 ttl=64 time=161 ms
64 bytes from 192.168.100.1: icmp_seq=936 ttl=64 time=163 ms
64 bytes from 192.168.100.1: icmp_seq=937 ttl=64 time=163 ms
```

7. Use ssh to login to nuist@192.168.100.1, login successfully.

```
undefined@Undefined:~$ ssh nuist@192.168.100.1
nuist@192.168.100.1's password:
Welcome to Ubuntu 22.04.5 LTS (GNU/Linux 5.15.0-151-generic x86_64)

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

This system has been minimized by removing packages and content that are
not required on a system that users do not log into.

To restore this content, you can run the 'unminimize' command.
New release '24.04.3 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Tue Sep 16 08:00:11 2025 from 192.168.100.142
$
```