

# Wireguard

## Create Key Pairs

### Host A

```
root@hosta # wg genkey > privateA
root@hosta # wg pubkey < privateA > publicA
```

### Host B

```
root@hostb # wg genkey > privateB
root@hostb # wg pubkey < privateB > publicB
```

## Assign Link Network to Wireguard-Tunnel

```
Link-Network: 172.24.0.0/30
HostA: 172.24.0.1/30
HostB: 172.24.0.2/30
```

## Create Config

### Host A

```
root@hosta # cat /etc/wireguard/wg0.conf
# HostA - HostB
[Interface]
Address = 172.24.0.1/30
PrivateKey = <contents of privateA>
ListenPort = 51820

[Peer]
PublicKey = <contents of publicB>
AllowedIPs = 172.24.0.2/32
```

### Host B

```
root@hostb # cat /etc/wireguard/wg0.conf
# HostB - HostA
[Interface]
Address = 172.24.0.2/30
PrivateKey = <contents of privateB>
ListenPort = 51820
```

```
[Peer]
PublicKey = <contents of publicA>
Endpoint = <visibleip of HostA>
AllowedIPs = 172.24.0.1/32
# Uncomment if HostB is behind NAT Router
# PersistentKeepAlive = 25
```

## Start Wireguard Tunnel

Issue on both hosts

```
root@hosta # wg-quick up wg0
root@hostb # wg-quick up wg0
```

## Check Status

### Host A

```
root@hosta # wg
interface: wg0
  public key: PUBLIC-KEY-A
  private key: (hidden)
  listening port: 51820

peer: PUBLIC-KEY-B
  endpoint: 185.69.244.140:25920
  allowed ips: 172.24.0.2/32
  latest handshake: 1 minute, 44 seconds ago
  transfer: 2.80 MiB received, 1.09 MiB sent
```

### Host B

```
root@hostb # wg
interface: wg0
  public key: PUBLIC-KEY-B
  private key: (hidden)
  listening port: 51820

peer: PUBLIC-KEY-A
  endpoint: 144.76.72.57:51820
  allowed ips: 172.24.0.1/32
  latest handshake: 21 seconds ago
  transfer: 1006.68 KiB received, 2.57 MiB sent
  persistent keepalive: every 25 seconds
```

[kb](#), [linux](#)

From:

<http://fortytwo.adurias.org/> - **Fortytwo - Answer to the Ultimate Question of Life, the Universe, and Everything**

Permanent link:

<http://fortytwo.adurias.org/wireguard?rev=1785658056>

Last update: **2026/08/02 10:07**

