

SPAIN
192.168.4.0/24

United Kingdom
192.168.14.0/24

NOTES

Simplified diagram - ethernet switches and routers not shown.
Both Spain and UK are behind NAT routers, therefore they connect outward only to a droplet on the Internet.
Tinc 1.35 used.
(It's useful running Teamviewer and/or opening SSH router port on at least one server in each country, so configuration mistakes don't prevent you from resolving problem!)

UbuntuES1

```
"/etc/NetworkManager/system-connections/connection1"
[ipv4]
address1=192.168.4.30/24,192.168.4.1
dns-search=
method=manual
```

```
"/etc/tinc/vpn1/hosts/ubuntues1"
Address = spain1.dyndns.org
Port = 655
Subnet = 192.168.60.30/32
Subnet = 192.168.4.0/24
```

```
"/etc/tinc/vpn1/tinc-up"
#!/bin/bash
ip link set $INTERFACE up
ip addr add 192.168.60.30/24 dev $INTERFACE
ip route add -net 192.168.14.0/24 dev $INTERFACE
```

```
"/etc/tinc/vpn1/tinc-down"
#!/bin/bash
ip route del -net 192.168.14.0/24
ip link set $INTERFACE down
```

```
"/etc/tinc/vpn1/tinc.conf"
Name = ubuntues1
AddressFamily = ipv4
ConnectTo = upcloud
Device = /dev/net/tun
LocalDiscovery = yes
TCPOnly = yes
```

```
"/etc/sysctl.conf"
net.ipv4.ip_forward=1
```

UbuntuES2

```
"/etc/NetworkManager/system-connections/connection1"
[ipv4]
address1=192.168.4.26/24,192.168.4.1
dns=1.1.1.1;1.0.0.1;
dns-search=
method=manual
route1=192.168.14.0/24,192.168.4.30
route2=192.168.60.0/24,192.168.4.30
```

Upcloud1 VM - provided IP: 83.x.x.x
"/etc/tinc/vpn1/hosts/upcloud"
Address = 83.x.x.x
Port = 655
Subnet = 192.168.60.1/32

```
"/etc/tinc/vpn1/tinc-up"
#!/bin/bash
ip link set $INTERFACE up
ip addr add 192.168.60.1/24 dev $INTERFACE
```

```
"/etc/tinc/vpn1/tinc-down"
#!/bin/bash
ip link set $INTERFACE down
```

```
"/etc/tinc/vpn1/tinc.conf"
Name = upcloud
AddressFamily = ipv4
Device = /dev/net/tun
LocalDiscovery = no
TCPOnly = yes
```

UbuntuUK1

```
"/etc/NetworkManager/system-connections/connection1"
[ipv4]
address1=192.168.14.20/24,192.168.14.1
dns-search=
method=manual
```

```
"/etc/tinc/vpn1/hosts/ubuntuuk1"
Address = unitedk1.dyndns.org
Port = 655
Subnet = 192.168.60.20/32
Subnet = 192.168.14.0/24
```

```
"/etc/tinc/vpn1/tinc-up"
#!/bin/bash
ip link set $INTERFACE up
ip addr add 192.168.60.20/24 dev $INTERFACE
ip route add 192.168.4.0/24 dev $INTERFACE
```

```
"/etc/tinc/vpn1/tinc-down"
#!/bin/bash
ip route del 192.168.4.0/24
ip link set $INTERFACE down
```

```
"/etc/tinc/vpn1/tinc.conf"
Name = ubuntuuk1
AddressFamily = ipv4
ConnectTo=upcloud
Device = /dev/net/tun
LocalDiscovery = yes
TCPOnly = yes
```

```
"/etc/sysctl.conf"
net.ipv4.ip_forward=1
```



UbuntuES1



tun0

eth0

tun0



UbuntuUK1

eth0



UbuntuUK2



eth0 & tun0

UbuntuES1

tun0

UbuntuUK1

UbuntuUK2