# UBNT Router Configuration

## **FROM SERVER CONSOLE**

Configure

set system host-name UBNT

set system name-server 8.8.4.4

set service ssh listen-address 0.0.0.0

set system time-zone America/Chicago

delete service dhcp-server shared-network-name LAN2

delete service dns forwarding listen-on eth2

delete interfaces ethernet eth2 address

delete interfaces ethernet eth2 description

delete service gui http-port

set service gui older-ciphers disable

set firewall state-policy established action accept

set firewall state-policy related action accept

set firewall group address-group YES\_VPN address x.x.x.x

edit firewall modify SOURCE\_ROUTE

set rule 10 action modify

set rule 10 modify table 1

set rule 10 source group address-group YES\_VPN

top

edit firewall name WAN\_LOCAL

set default-action drop

set rule 10 action accept

set rule 10 destination port 22

set rule 10 protocol tcp

set rule 20 action accept

set rule 20 icmp

set rule 30 action accept

set rule 30 protocol gre

set rule 40 action accept

set rule 40 destination port 500

set rule 40 protocol udp

set rule 50 action accept

set rule 50 destination port 4500

set rule 50 protocol udp

set rule 60 action accept

set rule 60 protocol esp

set rule 70 action accept

set rule 70 destination port 1701

set rule 70 ipsec match-ipsec

set rule 70 protocol udp

top

commit

set firewall name WAN\_IN default-action drop

edit firewall name TUN0\_ALL

set default-action accept

set rule 10 action accept

set rule 10 protocol all

top

set interfaces ethernet eth0 firewall in name WAN\_IN

set firewall options mss-clamp mss 1372

set interfaces ethernet eth0 firewall local name WAN\_LOCAL

set vpn ipsec ipsec-interfaces interface eth0

set vpn ipsec auto-firewall-nat-exclude enable

set vpn ipsec ike-group IKE-tunnel proposal 1

set vpn ipsec ike-group IKE-tunnel proposal 1 encryption aes128

set vpn ipsec ike-group IKE-tunnel proposal 1 hash sha1

set vpn ipsec ike-group IKE-tunnel proposal 1 dh-group 2

set vpn ipsec ike-group IKE-tunnel lifetime 3600

set vpn ipsec ike-group IKE-tunnel ikev2-reauth no

set vpn ipsec ike-group IKE-tunnel key-exchange ikev1

set vpn ipsec esp-group ESP-tunnel compression disable

set vpn ipsec esp-group ESP-tunnel proposal 1

set vpn ipsec esp-group ESP-tunnel proposal 1 encryption aes128

set vpn ipsec esp-group ESP-tunnel proposal 1 hash sha1

set vpn ipsec esp-group ESP-tunnel lifetime 1800

set vpn ipsec esp-group ESP-tunnel mode tunnel

set vpn ipsec esp-group ESP-tunnel pfs enable

set vpn ipsec site-to-site peer **x.x.x.x** authentication mode pre-shared-secret

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set vpn ipsec site-to-site peer **x.x.x.x** connection-type initiate

set vpn ipsec site-to-site peer **x.x.x.x** default-esp-group ESP-tunnel

set vpn ipsec site-to-site peer **x.x.x.x** ike-group IKE-tunnel

set vpn ipsec site-to-site peer **x.x.x.x** local-address any

set vpn ipsec site-to-site peer **x.x.x.x** dhcp-interface eth0

set vpn ipsec site-to-site peer **x.x.x.x** tunnel 1 local prefix 192.168.1.0/24

set vpn ipsec site-to-site peer **x.x.x.x** tunnel 1 remote prefix 192.168.99.0/24

set vpn ipsec site-to-site peer **x.x.x.x** tunnel 1 allow-nat-networks disable

set vpn ipsec site-to-site peer **x.x.x.x** tunnel 1 allow-public-networks disable

set vpn ipsec site-to-site peer **x.x.x.x** ikev2-reauth inherit

set service nat rule 5000 outbound-interface eth0

set service nat rule 5000 log enable

set service nat rule 5000 protocol all

set service nat rule 5000 type masquerade

set service nat rule 5010 outbound-interface tun0

set service nat rule 5010 log enable

set service nat rule 5010 protocol all

set service nat rule 5010 type masquerade

commit

set interfaces tunnel tun0 encapsulation gre

set interfaces tunnel tun0 address 10.10.10.2/30

set interfaces tunnel tun0 local-ip 192.168.1.1

set interfaces tunnel tun0 remote-ip 192.168.99.1

set interfaces tunnel tun0 ttl 255

set system offload hwnat disable

set firewall in name TUN0\_ALL

set firewall local name TUN0\_ALL

set firewall out name TUN0\_ALL

set system offload ipv4 forwarding enable

set system offload ipv4 gre enable

set system offload ipsec enable

set interfaces ethernet eth1 firewall in modify SOURCE\_ROUTE

set protocols static table 1 route 0.0.0.0/0 next-hop 10.10.10.1 distance 10

commit

save

**REBOOT**