# VyOS Appliance Configuration

## **FROM SERVER CONSOLE**

configure

set system host-name VyOS

set interfaces ethernet eth0 address 108.161.141.25/24

set system name-server 8.8.8.8

set service ssh listen-address 0.0.0.0

set protocols static route 0.0.0.0/0 next-hop 108.161.141.1

set system time-zone America/Chicago

commit

save

exit

**REBOOT**

## **FROM SSH Session**

configure

set firewall state-policy established action accept

set firewall state-policy related action accept

set firewall all-ping enable

set firewall broadcast-ping disable

set firewall config-trap disable

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 protocol tcp\_udp

top

edit firewall name TUN0\_ALL

set default-action accept

set rule 10 action accept

set rule 10 protocol all

top

edit firewall name WAN\_IN

set default-action drop

top

edit interface tunnel tun0

set address 10.10.10.1/30

set encapsulation gre

set firewall in name TUN0\_ALL

set firewall local name TUN0\_ALL

set firewall out name TUN0\_ALL

set local-ip 192.168.99.1

set remote-ip 192.168.1.1

set multicast disable

top

commit

set firewall ipv6-src-route disable

set firewall ip-src-route disable

set firewall log-martians enable

set interfaces ethernet eth0 firewall in name WAN\_IN

set interfaces ethernet eth0 firewall local name WAN\_LOCAL

set interfaces ethernet eth0 vif 99 address 192.168.99.1/24

set vpn ipsec ipsec-interfaces interface eth0

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 lifetime 3600

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

edit vpn ipsec site-to-site peer 0.0.0.0

set authentication mode pre-shared-secret

set authentication pre-shared-secret **&&&&&**

set default-esp-group ESP-tunnel

set ike-group IKE-tunnel

set connection-type respond

set local-address 108.161.141.25

set tunnel 1 local prefix 192.168.99.0/24

set tunnel 1 remote prefix 192.168.1.0/24

top

set nat source rule 5000 outbound-interface eth0

set nat source rule 5000 protocol all

set nat source rule 5000 translation address masquerade

set nat source rule 5010 outbound-interface tun0

set nat source rule 5010 protocol all

set nat source rule 5010 translation address masquerade

set protocols static route 192.168.1.0/24 next-hop 10.10.10.2

commit

save

**REBOOT**

SET PASSWORD FOR vyos

set system login user vyos authentication plaintext-password XXXX