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Vyos 1 config w/ nat source, nat destination and interfaces:

Source

vyos01-william.standen

```
[edit]
vyos@vyos# show nat source
rule 10 {
    outbound-interface eth0
    translation {
        address masquerade
    }
}
rule 11 {
    outbound-interface eth1
    translation {
        address masquerade
    }
}
[edit]
vyos@vyos# _
```

Destination Part 1

vyos01-william.standen

```
rule 10 {
    description "http to web01"
    destination {
        address 10.0.5.100
        port 80
    }
    inbound-interface eth0
    protocol tcp
    translation {
        port 80
    }
}
rule 11 {
    description "ssh to web01"
    destination {
        address 10.0.5.100
        port 22
    }
    inbound-interface eth0
    protocol tcp
    translation {
        port 22
    }
}
```

Destination Pt 2

vyos01-william.standen

```
rule 11 {
    description "ssh to web01"
    destination {
        address 10.0.5.100
        port 22
    }
    inbound-interface eth0
    protocol tcp
    translation {
        port 22
    }
}
rule 12 {
    destination {
        address 10.0.5.100
        port 80
    }
    inbound-interface eth1
    protocol tcp
    translation {
        port 80
    }
}
[edit]
vyos@vyos# _
```

Interface values Part 1

vyos01-william.standen

```
    ethernet eth0 {
      address 10.0.17.108/24
      description SEC440-WAN
      duplex auto
      hw-id 00:50:56:a1:3b:f6
      smp_affinity auto
      speed auto
      vrrp {
        vrrp-group 158 {
          advertise-interval 1
          preempt true
          priority 150
          virtual-address 10.0.17.78/24
        }
      }
    }
    ethernet eth1 {
      address 10.0.5.2/24
      description SEC440-LAN
      duplex auto
      hw-id 00:50:56:a1:58:02
      smp_affinity auto
      speed auto
      vrrp {
        :
      }
    }
  }
```

Interface Values part 2

vyos01-william.standen

```
      priority 150
      virtual-address 10.0.17.78/24
    }
  }
}
ethernet eth1 {
  address 10.0.5.2/24
  description SEC440-LAN
  duplex auto
  hw-id 00:50:56:a1:58:02
  smp_affinity auto
  speed auto
  vrrp {
    vrrp-group 10 {
      advertise-interval 1
      preempt true
      priority 140
      virtual-address 10.0.5.1/24
    }
  }
}
loopback lo {
}
[edit]
vyos@vyos#
```

Vyos 2 config w/ nat source, nat destination and interfaces:

Source rules

```
vyos02-william.standen

[edit]
vyos@vyos# show nat source
rule 10 {
    outbound-interface eth0
    translation {
        address masquerade
    }
}
rule 11 {
    outbound-interface eth1
    translation {
        address masquerade
    }
}
[edit]
vyos@vyos#
```

Destination rules

```
vyos02-william.standen

rule 10 {
    description "http to web01"
    destination {
        address 10.0.5.100
        port 80
    }
    inbound-interface eth0
    protocol tcp
    translation {
        port 80
    }
}
rule 11 {
    description "ssh to web01"
    destination {
        address 10.0.5.100
        port 22
    }
    inbound-interface eth0
    protocol tcp
    translation {
        port 22
    }
}
}
```

Interface configuration part 1

```
vyos02-william.standen

    ethernet eth0 {
        address 10.0.17.58/24
        description SEC440-WAN
        duplex auto
        hw-id 00:50:56:a1:56:45
        smp_affinity auto
        speed auto
        vrrp {
            vrrp-group 158 {
                advertise-interval 1
                priority 100
                virtual-address 10.0.17.78/24
            }
        }
    }
    ethernet eth1 {
        address 10.0.5.3/24
        description SEC440-LAN
        duplex auto
        hw-id 00:50:56:a1:fd:4c
        smp_affinity auto
        speed auto
        vrrp {
            vrrp-group 10 {

```

Interface Configuration part 2

```
vyos02-william.standen

                advertise-interval 1
                priority 100
                virtual-address 10.0.17.78/24
            }
        }
    }
    ethernet eth1 {
        address 10.0.5.3/24
        description SEC440-LAN
        duplex auto
        hw-id 00:50:56:a1:fd:4c
        smp_affinity auto
        speed auto
        vrrp {
            vrrp-group 10 {
                advertise-interval 1
                priority 90
                virtual-address 10.0.5.1/24
            }
        }
    }
    loopback lo {
    }
}
^[[B(edit]
vyos@vyos# _
```

Web01 IP Add and Firewall-cmd --list-all

```
web01-william.standen Enforce US Keyboard Layout

[root@web01-william ~]# ip add
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: ens192: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 00:50:56:a1:17:c2 brd ff:ff:ff:ff:ff:ff
    inet 10.0.5.100/24 brd 10.0.5.255 scope global noprefixroute ens192
        valid_lft forever preferred_lft forever
    inet6 fe80::cc11:c5a:9a84:cf9c/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
[root@web01-william ~]#
```

```
web01-william.standen

[root@web01-william ~]# sudo firewall-cmd --list-all
public (active)
  target: default
  icmp-block-inversion: no
  interfaces: ens192
  sources:
  services: dhcpv6-client ssh
  ports: 80/tcp
  protocols:
  masquerade: no
  forward-ports:
  source-ports:
  icmp-blocks:
  rich rules:

[root@web01-william ~]#
```