

03 | KPN - IPTV

In deze instructie maken we gebruik van VLAN1003 als IPTV VLAN

Stap 1 - VLAN 4 aanmaken

```
config system interface
  edit "KPN-IPTV-VL4"
    set vdom "root"
    set mode dhcp
    config client-options
      edit 1
        set code 60
        set type string
        set value "IPTV_RG"
      next
      edit 2
        set code 55
        set value "79"
      next
    end
    set distance 10
    set role wan
    set dns-server-override disable
    set interface "wan1"
    set vlanid 4
  next
end
```

Stap 2 - Statische route aanmaken

```
config router static
  edit 0
    set dst 213.75.112.0 255.255.248.0
    set device "KPN-IPTV-VL4"
```

```
set dynamic-gateway enable
next
end
```

Stap 3 - IPTV VLAN aanmaken

```
config system interface
edit VLAN1003
set vdom "root"
set ip 10.10.3.6 255.255.255.248
set role lan
set interface "LACP" ## Replace with physical interface
set vlanid 1003
next
end
```

Stap 4 - DHCP server aanmaken

```
config system dhcp server
edit 0
set ntp-service local
set default-gateway 10.10.3.6
set netmask 255.255.255.248
set interface "VLAN1003"
config ip-range
edit 1
set start-ip 10.10.3.1
set end-ip 10.10.3.5
next
end
set dns-server1 195.121.1.34
set dns-server2 195.121.1.66
next
end
```

Stap 5 - Multicast policies aanmaken

```
config firewall multicast-policy
edit 0
    set name "iTv > KPN"
    set logtraffic enable
    set srcintf "VLAN1003" ## Replace with IPTV VLAN
    set dstintf "KPN-IPTV-VL4"
    set srcaddr "all"
    set dstaddr "all"
    set snat enable
next
edit 0
    set name "KPN > iTv"
    set logtraffic enable
    set srcintf "KPN-IPTV-VL4"
    set dstintf "VLAN1003" ## Replace with IPTV VLAN
    set srcaddr "all"
    set dstaddr "all"
next
end
```

Stap 6 - IPTV policy maken richting KPN

```
config firewall policy
edit 0
    set name "IPTV to KPN"
    set srcintf "VLAN1003" ## Replace with IPTV VLAN
    set dstintf "KPN-IPTV-VL4"
    set srcaddr "all"
    set dstaddr "all"
    set action accept
    set schedule "always"
    set service "ALL"
    set logtraffic all
    set nat enable
next
end
```

Stap 7 - Internet policy maken voor TV ontvanger

Deze stap is bedoeld om streamingsdiensten zoals Netflix of Spotify te laten werken

```
config firewall policy
  edit 0
    set name "IPTV to internet"
    set srcintf "VLAN1003" ## Replace with IPTV VLAN
    set dstintf "KPN-INET-VL6"
    set srcaddr "all"
    set dstaddr "all"
    set action accept
    set schedule "always"
    set service "ALL"
    set logtraffic all
    set nat enable
  next
end
```

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