

02 | KPN PPPoE - IPv6

Deze instructie gaat er vanuit dat je [01 | KPN PPPoE - IPv4](#) al gevolgd hebt.

Stap 1 - PPPoE interface voorzien van IPv6 flag

```
config system pppoe-interface
  edit "KPN-PPPoE"
    set ipv6 enable
  next
end
```

Stap 2 - PPPoE interface configureren met IPv6 adres

```
config system interface
  edit "KPN-PPPoE"
    config ipv6
      set ip6-address 2a02:xxxx:yyyy::ffff/128 ## Controleer je IPv6 prefix in de KPN app
    end
  next
end
```

Stap 3 - Statische route aanmaken

```
config router static6
  edit 0
    set device "KPN-PPPoE"
  next
end
```

Stap 4 - LAN interface configureren met IPv6 adres

```
config system interface
  edit "VLAN2001"
    config ipv6
      set ip6-address 2a02:xxxx:yyyy:2001::1/64
      set ip6-send-adv enable ## Verstuurd router advertisements
      set ip6-manage-flag enable ## Geeft aan dat je DHCP wil gebruiken in plaats van SLAAC
      set ip6-other-flag enable ## Geeft aan dat je middels DHCP de DNS servers mee wil geven
    end
  next
end
```

Stap 5 - DHCP server aanmaken

```
config system dhcp6 server
  edit 0
    set lease-time 86400
    set dns-service default
    set domain "domain.local"
    set subnet 2a02:xxxx:yyyy:2001::/64
    set interface "VLAN2001"
    config ip-range
      edit 1
        set start-ip 2a02:xxxx:yyyy:2001::1000
        set end-ip 2a02:xxxx:yyyy:2001::2000
      next
    end
  next
end
```

Stap 6 - Policy aanmaken

```
config firewall policy
  edit 0
```

```
set name "any to internet - IPv6"  
set srcintf "any"  
set dstintf "KPN-PPPoE"  
set action accept  
set srcaddr6 "all"  
set dstaddr6 "all"  
set schedule "always"  
set service "ALL"  
set logtraffic all  
next  
end
```

Stap 7 - Internet connectiviteit testen

```
execute ping6 google.com
```

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