

This is a sample configuration for IPv6 on a Brocade router. This sample is specific to MLX/XMR series routers, but other series are similar.

Current configuration:

```
!  
ver V4.1.0bT163  
module 1 ni-mlx-4-port-10g  
module 2 ni-mlx-20-port-1g-copper  
module 3 ni-mlx-4-port-10g  
module 4 ni-mlx-20-port-1g-100fx  
module 5 ni-mlx-4-port-10g  
  
! Example of an IPv6 prefix list  
  
ipv6 prefix-list denydefault seq 10 permit ::/0 ge 1  
  
! Setting the IPv6 dns domain  
  
ipv6 dns domain-name v6-domain-name  
  
! Specifying an IPv6 DNS server  
  
ipv6 dns server-address 2001:480:822:182::105 fd08::2  
  
! Specifying IPv6 Static Routes  
  
ipv6 route a:b:c::/52 a:b:c:d::1  
  
!  
! Specifying a v6 sflow collector  
!  
  
sflow enable  
sflow destination ipv6 a:b:c:d::120  
sflow sample 1024  
  
! Setting up RipNG if required:  
  
ipv6 router rip  
  
! Applying the above v6 prefix list to suppress redistributing a v6 static  
default route  
  
distribute-list prefix-list denydefault out  
  
! The above is required because we want to redistribute both connected and  
Static  
  
redistribute connected  
redistribute static  
  
!  
! Configuring OSPFv3  
  
ipv6 router ospf  
area 0  
area 176  
area 176 range a:b:c::/52 advertise  
!  
!
```

```

! Activating pim
ipv6 router pim
!
!
!
! Interface configuration
!
interface ve 4

! v4 config omitted
! setting v6 address

    ipv6 address a:b:c:f01::2/64

! setting ve ospfv3 area membership

    ipv6 ospf area 176

! setting ospfv3 election priority

    ipv6 ospf priority 150

! Turning on RipNG for the interface

    ipv6 rip enable

! Suppressing Router Advertisement on a subnet

    ipv6 nd router-preference high
!
!
!
end

```

NOTE: It is necessary to manually configure the link-local address when configuring multiple VLANs on a single interface.

This is a sample configuration for IPv6 on a Brocade Layer 2 switch. Configuration for IPv6 is not really necessary (it just works), but this sample shows how to manage the device via v6.

```

#sh run
Current configuration:
!
ver 07.0.01cT3e1
!
!
!
! setup v6 addressing

ipv6 address fd08::13c/64

! setup v6 DNS

ipv6 dns domain-name netmgt
ipv6 dns server-address fd08::2

```

```
! setup syslog via v6
logging host ipv6 fd08::17d

! setup radius via v6

radius-server host ipv6 fd08::17d auth-port 1812 acct-port 1813
authentication-only

!
! Setup SNMP via v6

snmp-server host ipv6 fd08::17d version <version #> <community>

! setup snmp via v6

snmp server ipv6 fd08::17d

!
! setup sflow via v6

sflow destination ipv6 fd08::17d

!
!
!
end
#
```