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 sntp via v6
sntp server ipv6 fd08::17d

! setup sflow via v6
sflow destination ipv6 fd08::17d

!
!
!
end
#