

Roteadores CANADA:

```
hostname CA-2
ipv6 unicast-routing
spanning-tree mode pvst
!
interface Serial1/0
ipv6 address 5001:DDDD:9A9B:C4CA::2/64
ipv6 enable
ipv6 ospf 10 area 0
!
interface Serial1/1
ipv6 address 6001:DDDD:2468:AACA::1/64
ipv6 enable
ipv6 ospf 10 area 2
!
interface Serial1/2
ipv6 address 6001:DDDD:2468:AACB::1/64
ipv6 enable
ipv6 ospf 10 area 2
!
ipv6 router ospf 10
router-id 20.20.20.2
log-adjacency-changes
```

```
hostname CA-4
!
ipv6 unicast-routing
ipv6 dhcp pool Matheus_Canada4
dns-server 400C:0:0:FAB3::DDDD
spanning-tree mode pvst
!
interface FastEthernet0/0
ipv6 address EB0C:F2F2:1236:BEF2::1/64
ipv6 address EB0C:F2F2:1236:BEF2::/64 eui-64
ipv6 nd other-config-flag
ipv6 rip rede-rip enable
ipv6 address autoconfig
ipv6 enable
ipv6 ospf 10 area 2
ipv6 dhcp server Matheus_Canada4
!
interface Serial1/2
ipv6 address 6001:DDDD:2468:AACB::2/64
ipv6 enable
ipv6 ospf 10 area 2
!
ipv6 router ospf 10
router-id 20.20.20.4
log-adjacency-changes
!
ipv6 router rip rede-rip
```

```
hostname CA-3
!
ipv6 unicast-routing
ipv6 dhcp pool Matheus_Canada3
dns-server 400C:0:0:FAB3::DDDD
spanning-tree mode pvst
!
interface FastEthernet0/0
ipv6 address EB0C:F2F2:1236:BEF1::1/64
ipv6 address EB0C:F2F2:1236:BEF1::/64 eui-64
ipv6 nd other-config-flag
ipv6 rip rede-rip enable
ipv6 address autoconfig
ipv6 enable
ipv6 ospf 10 area 2
ipv6 dhcp server Matheus_Canada3
!
interface Serial0/1/0
ipv6 address 6001:DDDD:2468:AACA::2/64
ipv6 enable
ipv6 ospf 10 area 2
!
ipv6 router ospf 10
router-id 20.20.20.3
log-adjacency-changes
!
ipv6 router rip rede-rip
```

```
hostname "CA-1 ASBR"
!
ipv6 unicast-routing
spanning-tree mode pvst
!
interface Serial1/0
  ipv6 address 5001:DDDD:9A9B:C450::2/64
  ipv6 enable
  ipv6 ospf 10 area 0
!
interface Serial1/1
  encapsulation frame-relay
!
interface Serial1/1.71 point-to-point
  frame-relay interface-dlci 71
  ipv6 address 5001:DDDD:9A9B:C460::2/64
  ipv6 enable
  ipv6 ospf 10 area 0
!
interface Serial1/2
  ipv6 address 5001:DDDD:9A9B:C4CA::1/64
  ipv6 enable
  ipv6 ospf 10 area 0
!
ipv6 router ospf 10
  router-id 20.20.20.1
  log-adjacency-changes
!
ip classless
```

Roteadores Reino Unido:

```
hostname UK-2
!
ipv6 unicast-routing
!
ipv6 dhcp pool Matheus_UK2
  dns-server 300C:CCC:8910:BAF2::DDDD
spanning-tree mode pvst
!
interface FastEthernet0/0
  ipv6 address 300C:CCC:8910:BAF1::1/64
  ipv6 address 300C:CCC:8910:BAF1::/64 eui-64
  ipv6 nd other-config-flag
  ipv6 rip rede-rip enable
  ipv6 address autoconfig
  ipv6 enable
  ipv6 ospf 10 area 5
  ipv6 dhcp server Matheus_UK2
!
interface Serial0/0/0
  ipv6 address 6001:DDDD:2468:AABA::2/64
  ipv6 enable
  ipv6 ospf 10 area 5
!
ipv6 router ospf 10
  router-id 20.20.20.10
  log-adjacency-changes
!
ipv6 router rip rede-rip
ip classless
```

```
hostname "SCOT-1 ABR"
!
ipv6 unicast-routing
ipv6 dhcp pool Matheus_Scot1
  dns-server 300C:CCC:8910:BAF2::DDDD
spanning-tree mode pvst
!
interface FastEthernet0/0
  ipv6 address 300C:CCC:8910:BAF1::1/64
  ipv6 address 300C:CCC:8910:BAF1::/64 eui-64
  ipv6 nd other-config-flag
  ipv6 rip rede-rip enable
  ipv6 address autoconfig
  ipv6 enable
  ipv6 ospf 10 area 5
  ipv6 dhcp server Matheus_Scot1
!
interface Serial1/0
  ipv6 address 6001:DDDD:2468:AABB::1/64
  ipv6 enable
  ipv6 ospf 10 area 5
!
interface Serial1/1
  ipv6 address 6001:DDDD:2468:AACC::1/64
  ipv6 enable
  ipv6 ospf 10 area 5
!
ipv6 router ospf 10
  router-id 20.20.20.12
  log-adjacency-changes
!
ipv6 router rip rede-rip
ip classless
```

```
hostname "UK-1 ABR"
!
ipv6 unicast-routing
spanning-tree mode pvst
!
interface Serial1/0
ipv6 address 6001:DDDD:2468:AABA::1/64
ipv6 enable
ipv6 ospf 10 area 5
!
interface Serial1/1
ipv6 address 6001:DDDD:2468:AABB::2/64
ipv6 enable
ipv6 ospf 10 area 5
!
interface Serial1/3
encapsulation frame-relay
!
interface Serial1/3.21 point-to-point
frame-relay interface-dlci 21
ipv6 address 5001:DDDD:9A9B:C410::2/64
ipv6 enable
ipv6 ospf 10 area 0
!
interface Serial1/3.30 point-to-point
frame-relay interface-dlci 30
ipv6 address 5001:DDDD:9A9B:C420::1/64
ipv6 enable
ipv6 ospf 10 area 0
!
ipv6 router ospf 10
router-id 20.20.20.9
log-adjacency-changes
!
ip classless
```

```
hostname "IE-1 ABR"
!
ipv6 unicast-routing
ipv6 dhcp pool Matheus_IE1
dns-server 300C:CCC:8910:BAF2::DDDD
spanning-tree mode pvst
!
interface FastEthernet0/0
ipv6 address 300C:CCC:8910:BAF3::1/64
ipv6 address 300C:CCC:8910:BAF3::/64 eui-64
ipv6 nd other-config-flag
ipv6 rip rede-rip enable
ipv6 address autoconfig
ipv6 enable
ipv6 ospf 10 area 5
ipv6 dhcp server Matheus_IE1
!
interface Serial1/1
ipv6 address 6001:DDDD:2468:AACC::2/64
ipv6 enable
ipv6 ospf 10 area 5
!
interface Serial1/2
encapsulation frame-relay
!
interface Serial1/2.31 point-to-point
frame-relay interface-dlci 31
ipv6 address 5001:DDDD:9A9B:C420::2/64
ipv6 enable
ipv6 ospf 10 area 0
!
interface Serial1/2.40 point-to-point
frame-relay interface-dlci 40
ipv6 address 5001:DDDD:9A9B:C430::1/64
ipv6 enable
ipv6 ospf 10 area 0
!
ipv6 router ospf 10
router-id 20.20.20.11
log-adjacency-changes
!
ipv6 router rip rede-rip
!
ip classless
```

Roteadores Alemanha:

```
hostname DE-2
!
ipv6 unicast-routing
ipv6 dhcp pool Matheus_Alemanha2
  dns-server 800C:2222:1234:FAD1::DDDD
spanning-tree mode pvst
!
interface FastEthernet0/0
  ipv6 address A80C:4567:9DD:DAF1::1/64
  ipv6 address A80C:4567:9DD:DAF1::/64 eui-64
  ipv6 nd other-config-flag
  ipv6 rip rede-rip enable
  ipv6 address autoconfig
  ipv6 enable
  ipv6 ospf 10 area 3
  ipv6 dhcp server Matheus_Alemanha2
!
interface Serial0/1/0
  ipv6 address 6001:DDDD:2468:AAAA::2/64
  ipv6 enable
  ipv6 ospf 10 area 3
!
ipv6 router ospf 10
  router-id 20.20.20.6
  log-adjacency-changes
!
ipv6 router rip rede-rip
!
ip classless
```

```
hostname DE-3
!
ipv6 unicast-routing
ipv6 dhcp pool Matheus_Alemanha3
  dns-server 800C:2222:1234:FAD1::DDDD
spanning-tree mode pvst
!
interface FastEthernet0/0
  ipv6 address A80C:4567:9DD:DAF2::1/64
  ipv6 address A80C:4567:9DD:DAF2::/64 eui-64
  ipv6 nd other-config-flag
  ipv6 rip rede-rip enable
  ipv6 address autoconfig
  ipv6 enable
  ipv6 ospf 10 area 3
  ipv6 dhcp server Matheus_Alemanha3
!
interface Serial0/1/0
  ipv6 address 6001:DDDD:2468:AAAB::2/64
  ipv6 enable
  ipv6 ospf 10 area 3
!
ipv6 router ospf 10
  router-id 20.20.20.7
  log-adjacency-changes
!
ipv6 router rip rede-rip
!
ip classless
```

```
hostname DE-1
!
ipv6 unicast-routing
spanning-tree mode pvst
!
interface Serial1/0
 encapsulation frame-relay
!
interface Serial1/0.61 point-to-point
 frame-relay interface-dlci 61
 ipv6 address 5001:DDDD:9A9B:C450::2/64
 ipv6 enable
 ipv6 ospf 10 area 0
!
interface Serial1/0.70 point-to-point
 frame-relay interface-dlci 70
 ipv6 address 5001:DDDD:9A9B:C460::1/64
 ipv6 enable
 ipv6 ospf 10 area 0
!
interface Serial1/2
 ipv6 address 6001:DDDD:2468:AAAA::1/64
 ipv6 enable
 ipv6 ospf 10 area 3
!
interface Serial1/3
 ipv6 address 6001:DDDD:2468:AAAB::1/64
 ipv6 enable
 ipv6 ospf 10 area 3
!
ipv6 router ospf 10
 router-id 20.20.20.5
 log-adjacency-changes
!
ip classless
```

Roteadores USA:

```
hostname "USA-2 ABR"
!
ipv6 unicast-routing
ipv6 dhcp pool Matheus_USA2
  dns-server 400C:0:0:FAB3::DDDD
spanning-tree mode pvst
!
interface FastEthernet0/0
  ipv6 address 400C:0:0:FAB1::1/64
  ipv6 address 400C:0:0:FAB1::/64 eui-64
  ipv6 rip rede-rip enable
  ipv6 address autoconfig
  ipv6 enable
  ipv6 ospf 10 area 1
  ipv6 dhcp server Matheus_USA2
!
interface Serial1/0
  ipv6 address 5001:DDDD:9A9B:C4BB::1/64
  ipv6 enable
  ipv6 ospf 10 area 0
!
interface Serial1/1
  ipv6 address 6001:DDDD:2468:AADD::1/64
  ipv6 enable
  ipv6 ospf 10 area 1
!
interface Serial1/2
  ipv6 address 6001:DDDD:2468:AAEE::1/64
  ipv6 enable
  ipv6 ospf 10 area 1
!
ipv6 router ospf 10
  router-id 20.20.20.14
  log-adjacency-changes
!
ipv6 router rip rede-rip
!
ip classless
```

```
hostname USA-4
!
ipv6 unicast-routing
ipv6 dhcp pool Matheus_USA4
  dns-server 400C:0:0:FAB3::DDDD
spanning-tree mode pvst
!
interface FastEthernet0/0
  ipv6 address 400C:0:0:FAB3::1/64
  ipv6 address 400C:0:0:FAB3::/64 eui-64
  ipv6 nd other-config-flag
  ipv6 rip rede-rip enable
  ipv6 address autoconfig
  ipv6 enable
  ipv6 ospf 10 area 1
  ipv6 dhcp server Matheus_USA4
!
interface Serial1/0
  ipv6 address 6001:DDDD:2468:AADD::2/64
  ipv6 enable
  ipv6 ospf 10 area 1
!
interface Serial1/1
  ipv6 address 6001:DDDD:2468:AAFF::1/64
  ipv6 enable
  ipv6 ospf 10 area 1
!
ipv6 router ospf 10
  router-id 20.20.20.16
  log-adjacency-changes
!
ipv6 router rip rede-rip
!
ip classless
```

```
hostname USA-3
!
ipv6 unicast-routing
ipv6 dhcp pool Matheus_USA3
  dns-server 400C:0:0:FAB3::DDDD
spanning-tree mode pvst
!
interface FastEthernet0/0
  ipv6 address 400C:0:0:FAB2::1/64
  ipv6 address 400C:0:0:FAB2::/64 eui-64
  ipv6 nd other-config-flag
  ipv6 rip rede-rip enable
  ipv6 address autoconfig
  ipv6 enable
  ipv6 ospf 10 area 1
  ipv6 dhcp server Matheus_USA3
!
interface Serial1/0
  ipv6 address 6001:DDDD:2468:AAEE::2/64
  ipv6 enable
  ipv6 ospf 10 area 1
!
interface Serial1/1
  ipv6 address 6001:DDDD:2468:AAFF::2/64
  ipv6 enable
  ipv6 ospf 10 area 1
!
ipv6 router ospf 10
  router-id 20.20.20.15
  log-adjacency-changes
!
ipv6 router rip rede-rip
!
ip classless
```

```
hostname "USA-1 ASBR"
!
ipv6 unicast-routing
spanning-tree mode pvst
!
interface Serial1/0
  ipv6 address
  5001:DDDD:9A9B:C4BB::2/64
  ipv6 enable
  ipv6 ospf 10 area 0
!
interface Serial1/1
  ipv6 address
  5001:DDDD:9A9B:C450::1/64
  ipv6 enable
  ipv6 ospf 10 area 0
!
interface Serial1/7
  encapsulation frame-relay
!
interface Serial1/7.20 point-to-point
  frame-relay interface-dlci 20
  ipv6 address
  5001:DDDD:9A9B:C410::1/64
  ipv6 enable
  ipv6 ospf 10 area 0
!
ipv6 router ospf 10
  router-id 20.20.20.13
  log-adjacency-changes
!
ip classless
```


Roteadores Italia:

```
hostname IT-2
!
ipv6 unicast-routing
ipv6 dhcp pool Matheus_Italia2
  dns-server 800C:2222:1234:FAD1::DDDD
spanning-tree mode pvst
!
interface GigabitEthernet0/0
  ipv6 address 800C:2222:1234:FAD1::1/64
  ipv6 address 800C:2222:1234:FAD1::/64 eui-64
  ipv6 nd other-config-flag
  ipv6 rip rede-rip enable
  ipv6 address autoconfig
  ipv6 enable
  ipv6 ospf 10 area 4
  ipv6 dhcp server Matheus_Italia2
!
interface Serial0/3/0
  ipv6 address 6001:DDDD:2468:AA11::2/64
  ipv6 enable
  ipv6 ospf 10 area 4
!
interface Serial0/3/1
  ipv6 address 6001:DDDD:2468:AA33::2/64
  ipv6 enable
  ipv6 ospf 10 area 4
!
ipv6 router ospf 10
  router-id 20.20.20.18
  log-adjacency-changes
!
ipv6 router rip rede-rip
!
ip classless
```

```
hostname IT-3
!
ipv6 unicast-routing
ipv6 dhcp pool Matheus_Italia3
  dns-server 800C:2222:1234:FAD1::DDDD
spanning-tree mode pvst
!
interface FastEthernet0/0
  ipv6 address 800C:2222:1234:FAD2::1/64
  ipv6 address 800C:2222:1234:FAD2::/64 eui-64
  ipv6 nd other-config-flag
  ipv6 rip rede-rip enable
  ipv6 address autoconfig
  ipv6 enable
  ipv6 ospf 10 area 4
  ipv6 dhcp server Matheus_Italia3
!
interface Serial0/1/0
  ipv6 address 6001:DDDD:2468:AA33::1/64
  ipv6 enable
  ipv6 ospf 10 area 4
!
interface Serial0/1/1
  ipv6 address 6001:DDDD:2468:AA44::2/64
  ipv6 enable
  ipv6 ospf 10 area 4
!
ipv6 router ospf 10
  router-id 20.20.20.19
  log-adjacency-changes
!
ipv6 router rip rede-rip
!
ip classless
```

```
hostname IT-4
!
ipv6 unicast-routing
ipv6 dhcp pool Matheus_Italia4
  dns-server 800C:2222:1234:FAD1::DDDD
spanning-tree mode pvst
!
interface FastEthernet0/0
  ipv6 address 800C:2222:1234:FAD3::1/64
  ipv6 address 800C:2222:1234:FAD3::/64 eui-64
  ipv6 nd other-config-flag
  ipv6 rip rede-rip enable
  ipv6 address autoconfig
  ipv6 enable
  ipv6 ospf 10 area 4
  ipv6 dhcp server Matheus_Italia4
!
interface Serial1/0
  ipv6 address 6001:DDDD:2468:AA22::2/64
  ipv6 enable
  ipv6 ospf 10 area 4
!
interface Serial1/1
  ipv6 address 6001:DDDD:2468:AA44::1/64
  ipv6 enable
  ipv6 ospf 10 area 4
!
ipv6 router ospf 10
  router-id 20.20.20.20
  log-adjacency-changes
!
ipv6 router rip rede-rip
!
ip classless
```

```
hostname "IT-1 ABR"
!
ipv6 unicast-routing
spanning-tree mode pvst
!
interface Serial1/0
  encapsulation frame-relay
!
interface Serial1/0.51 point-to-point
  frame-relay interface-dlci 51
  ipv6 address 5001:DDDD:9A9B:C440::2/64
  ipv6 enable
  ipv6 ospf 10 area 0
!
interface Serial1/1
  encapsulation frame-relay
!
interface Serial1/1.60 point-to-point
  frame-relay interface-dlci 60
  ipv6 address 5001:DDDD:9A9B:C450::1/64
  ipv6 enable
  ipv6 ospf 10 area 0
!
interface Serial1/2
  ipv6 address 6001:DDDD:2468:AA11::1/64
  ipv6 enable
  ipv6 ospf 10 area 4
!
interface Serial1/3
  ipv6 address 6001:DDDD:2468:AA22::1/64
  ipv6 enable
  ipv6 ospf 10 area 4
!
ipv6 router ospf 10
  router-id 20.20.20.17
  log-adjacency-changes
!
ip classless
```

Roteadores Espanha:

```
hostname "ES-1 ABR"
!
ipv6 unicast-routing
!
ipv6 dhcp pool Matheus_Espanha
prefix-delegation pool Matheus_Espanha lifetime 1800 60
dns-server 800C:2222:1234:FAD1::DDDD
!
ipv6 local pool Matheus_Espanha
200C:BBBB:4567:FEB1::/64 64
!
spanning-tree mode pvst
!
interface FastEthernet0/0
ipv6 address 200C:BBBB:4567:FEB1::1/64
ipv6 rip rede-rip enable
ipv6 enable
ipv6 dhcp server Matheus_Espanha
!
interface Serial0/1/0
encapsulation frame-relay
!
interface Serial0/1/0.41 point-to-point
frame-relay interface-dlci 41
ipv6 address 5001:DDDD:9A9B:C430::2/64
ipv6 enable
ipv6 ospf 10 area 0
!
interface Serial0/1/0.50 point-to-point
frame-relay interface-dlci 50
ipv6 address 5001:DDDD:9A9B:C440::1/64
ipv6 enable
ipv6 ospf 10 area 0
!
ipv6 router ospf 10
router-id 20.20.20.8
log-adjacency-changes
!
ipv6 router rip rede-rip
!
ip classless
```