ICTCS 1310


```
router ospf 1

    distance ospf intra-area 105

    distance ospf inter-area 105

end


router ospfv3

    router-id 192.168.0.1

    auto-cost reference-bandwidth 100000

    passive-interface default

    area 0.0.0.1 stub

    area 0.0.0.2 stub no-summary

!

address-family ipv4

!

address-family ipv6
```

```
!

interface Lo0
  ospfv3 ipv4 area 0.0.0.0
  ospfv3 ipv6 area 0.0.0.0
  !
interface eth1-3
  no ospfv3 passive-interface

!
interface eth1-2
  ospfv3 ipv4 area 0.0.0.0
  ospfv3 ipv6 area 0.0.0.0
  !
 interface eth3
  ospfv3 ipv4 area 0.0.0.1
  ospfv3 ipv6 area 0.0.0.1
  !




R2 ja 4
router ospfv3
  router-id 192.168.0.4
  auto-cost reference-bandwidth 100000
  passive-interface default
  area 0.0.0.1 stub
  area 0.0.0.2 stub no-summary
```

```
!
address-family ipv4
!
address-family ipv6

!

interface Lo0
  ospfv3 ipv4 area 0.0.0.0
  ospfv3 ipv6 area 0.0.0.0
  !
interface eth1-3
 no ospfv3 passive-interface
 !

interface eth1-2
  ospfv3 ipv4 area 0.0.0.0
  ospfv3 ipv6 area 0.0.0.0
  !
 interface eth3
  ospfv3 ipv4 area 0.0.0.2
  ospfv3 ipv6 area 0.0.0.2
  !

R5
 router ospfv3
  router-id 192.168.0.6
  auto-cost reference-bandwidth 100000
  passive-interface default
```

```
   area 0.0.0.1 stub
   area 0.0.0.2 stub no-summary
!
address-family ipv4
!
address-family ipv6


!


interface Lo0
   ospfv3 ipv4 area 0.0.0.1
   ospfv3 ipv6 area 0.0.0.1


interface eth1-2
  no ospfv3 passive-interface



interface eth1-2
   ospfv3 ipv4 area 0.0.0.1
   ospfv3 ipv6 area 0.0.0.1
   !
  interface eth3
   ipv6 address 2001:db8:46:25::1/64
   ospfv3 ipv4 area 0.0.0.1
   ospfv3 ipv6 area 0.0.0.1
   !

   r7
   router ospfv3
```

```
     router-id 192.168.0.7
     auto-cost reference-bandwidth 100000
     passive-interface default
     area 0.0.0.1 stub
     area 0.0.0.2 stub no-summary
!
address-family ipv4
!
address-family ipv6


!


interface Lo0
   ospfv3 ipv4 area 0.0.0.2
   ospfv3 ipv6 area 0.0.0.2
   !
interface eth1-2
  no ospfv3 passive-interface
  !


interface eth1-2
   ospfv3 ipv4 area 0.0.0.2
   ospfv3 ipv6 area 0.0.0.2
   !
  interface eth3
   ipv6 address 2001:db8:46:22::1/64
   ospfv3 ipv4 area 0.0.0.2
   ospfv3 ipv6 area 0.0.0.2
   !
```

r2

 router ospfv3

address-family ipv4

default-information originate

r2

ipv6 route ::/0 2001:db8:0:1::

r4

ipv6 route ::/0 2001:db8:0:2::

   sh ospfv3 database

   r2 ja 4

   router ospfv3

   address-family ipv4

   default-information originate metric-type 1

   r2 ja r4 step2

start route

ipv6 routing   2001:db8:46:666::1

kaikkiin reitittimiin step3

router ospf 1

shutdown

ip ospf area 0.0.0.0

ipv6 route   2001:db8:26:666::1

ipv6 address 2001:db8:46:26::1/64

router ospfv3

address-family ipv6

    default-information originate metric-type 1