en

conf t

hostname MS4

L3 switching:

int range fa0/1-11

no switchport

ex

ip routing

ex

int fa0/2

ip add 5.5.5.1 255.255.255.252

ex

int fa0/3

ip add 4.4.4.1 255.255.255.252

ex

int fa0/1

ip add 1.1.1.2 255.255.255.252

===================================

MS1

int fa0/1

ip add 1.1.1.1 255.255.255.252

ex

int fa0/2

ip add 2.2.2.1 255.255.255.252

ex

int fa0/3

ip add 3.3.3.1 255.255.255.252

ex

int fa0/4

ip add 7.7.7.1 255.255.255.252

ex

int fa0/5

ip add 9.9.9.1 255.255.255.252

ex

int fa0/8

ip add 35.35.35.1 255.255.255.252

ex

int fa0/9

ip add 36.36.36.1 255.255.255.252

ex

====================================

MS2

int fa0/1

ip add 1.1.1.2 255.255.255.252

ex

int fa0/2

ip add 5.5.5.1 255.255.255.252

ex

int fa0/3

ip add 4.4.4.2 255.255.255.252

ex

int fa0/9

ip add 11.11.11.1 255.255.255.252

ex

int fa0/11

ip add 13.13.13.1 255.255.255.252

ex

int fa0/10

ip add 38.38.38.1 255.255.255.252

ex

int fa0/6

ip add 37.37.37.1 255.255.255.252

ex

====================================

MS3

int fa0/1

ip add 2.2.2.2 255.255.255.252

ex

int fa0/2

ip add 6.6.6.1 255.255.255.252

ex

int fa0/3

ip add 4.4.4.1 255.255.255.252

ex

int fa0/5

ip add 10.10.10.1 255.255.255.252

ex

int fa0/4

ip add 8.8.8.1 255.255.255.252

ex

int fa0/6

ip add 60.60.60.1 255.255.255.252

ex

====================================

MS4

int fa0/1

ip add 3.3.3.2 255.255.255.252

ex

int fa0/2

ip add 5.5.5.2 255.255.255.252

ex

int fa0/3

ip add 6.6.6.2 255.255.255.252

ex

int fa0/4

ip add 12.12.12.1 255.255.255.252

ex

int fa0/6

ip add 61.61.61.1 255.255.255.252

ex

int fa0/11

ip add 14.14.14.1 255.255.255.252

ex

=======================================

MS5

int fa0/1

ip add 24.24.24.2 255.255.255.252

ex

int fa0/2

ip add 25.25.25.2 255.255.255.252

ex

int fa0/4

ip add 192.168.8.1 255.255.255.0

ex

int fa0/3

ip add 192.168.5.1 255.255.255.0

ex

int fa0/7

ip add 192.168.1.1 255.255.255.0

ex

int fa0/8

ip add 192.168.4.1 255.255.255.0

ex

=======================================

=======================================

R1

en

conf t

hostname R1

int range gig0/0-1

no sh

ex

int gig0/0

ip add 7.7.7.2 255.255.255.252

ex

int gig0/1

ip add 10.10.10.2 255.255.255.252

ex

int se0/0/0

ip add 19.19.19.1 255.255.255.252

no sh

ex

int se0/0/1

ip add 20.20.20.1 255.255.255.252

no sh

ex

=======================================

R2

en

conf t

hostname R2

int range gig0/0-1

no sh

ex

int gig0/0

ip add 8.8.8.2 255.255.255.252

ex

int gig0/1

ip add 9.9.9.2 255.255.255.252

ex

int se0/0/0

ip add 22.22.22.1 255.255.255.252

no sh

ex

int se0/0/1

ip add 21.21.21.1 255.255.255.252

no sh

ex

=======================================

R3

en

conf t

hostname R3

int range gig0/0-1

no sh

ex

int gig0/0

ip add 24.24.24.1 255.255.255.252

ex

int gig0/1

ip add 23.23.23.1 255.255.255.252

ex

int se0/0/0

ip add 21.21.21.2 255.255.255.252

no sh

ex

int se0/0/1

ip add 19.19.19.2 255.255.255.252

no sh

ex

========================================

R4

en

conf t

hostname R4

int range gig0/0-1

no sh

ex

int gig0/0

ip add 25.25.25.1 255.255.255.252

ex

int gig0/1

ip add 26.26.26.1 255.255.255.252

ex

int se0/0/0

ip add 22.22.22.2 255.255.255.252

no sh

ex

int se0/0/1

ip add 21.21.21.2 255.255.255.252

no sh

ex

========================================

R5

en

conf t

hostname R5

int range gig0/0-1

no sh

ex

int gig0/0

ip add 11.11.11.2 255.255.255.252

ex

int gig0/1

ip add 14.14.14.2 255.255.255.252

ex

int se0/1/0

ip add 16.16.16.1 255.255.255.252

no sh

ex

int se0/0/1

ip add 15.15.15.1 255.255.255.252

no sh

======================================

R6

en

conf t

hostname R6

int range gig0/0-1

no sh

ex

int gig0/0

ip add 12.12.12.2 255.255.255.252

ex

int gig0/1

ip add 13.13.13.2 255.255.255.252

ex

int se0/1/1

ip add 17.17.17.1 255.255.255.252

no sh

ex

int se0/0/0

ip add 18.18.18.1 255.255.255.252

no sh

===================================

R7

en

conf t

hostname R7

int range gig0/0-1

no sh

ex

int gig0/0

ip add 27.27.27.1 255.255.255.252

ex

int gig0/1

ip add 28.28.28.1 255.255.255.252

ex

int se0/1/1

ip add 17.17.17.2 255.255.255.252

no sh

ex

int se0/0/1

ip add 15.15.15.2 255.255.255.252

no sh

ex

==================================

R8

en

conf t

hostname R8

int range gig0/0-1

no sh

ex

int gig0/0

ip add 29.29.29.1 255.255.255.252

ex

int gig0/1

ip add 30.30.30.1 255.255.255.252

ex

int se0/1/0

ip add 16.16.16.2 255.255.255.252

no sh

ex

int se0/0/0

ip add 18.18.18.2 255.255.255.252

no sh

==============================================

MS7

en

conf t

hostname MS7

ip routing

int range fa0/1-5

no switchport

int fa0/1

ip add 28.28.28.2 255.255.255.252

int fa0/2

ip add 29.29.29.2 255.255.255.252

int fa0/3

ip add 192.168.18.1 255.255.255.252

int fa0/4

ip add 192.168.19.1 255.255.255.252

int fa0/5

ip add 192.168.13.1 255.255.255.252

int fa0/8

no switchport

ip add 192.168.15.1 255.255.255.252

int range fa0/6-7

switchport

======================================

MS8

en

conf t

hostname MS8

ip routing

int range fa0/1-2

no switchport

int range fa0/5-8

no switchport

int fa0/1

ip add 27.27.27.2 255.255.255.252

int fa0/2

ip add 30.30.30.2 255.255.255.252

int fa0/5

ip add 192.168.17.2 255.255.255.252

int fa0/6

ip add 192.168.20.1 255.255.255.252

int fa0/7

ip add 192.168.16.1 255.255.255.252

int fa0/8

ip add 192.168.16.1 255.255.255.252

int range fa0/3-4

switchport

=====================================

MS9

en

conf t

hostname MS9

ip routing

int range fa0/1-2

no switchport

int range fa0/5-6

no switchport

int fa0/1

ip add 192.168.7.2 255.255.255.252

int fa0/2

ip add 192.168.5.2 255.255.255.252

int fa0/5

ip add 192.168.24.1 255.255.255.0

int fa0/6

ip add 192.168.26.1 255.255.255.0

======================================

MS10

en

conf t

hostname MS10

ip routing

int range fa0/1-2

no switchport

int range fa0/5-6

no switchport

int fa0/1

ip add 192.168.6.2 255.255.255.252

int fa0/2

ip add 192.168.8.2 255.255.255.252

int fa0/5

ip add 192.168.25.1 255.255.255.0

int fa0/6

ip add 192.168.23.1 255.255.255.0

======================================

MS11

en

conf t

hostname MS11

ip routing

int range fa0/1-2

no switchport

int range fa0/5-6

no switchport

int fa0/1

ip add 31.31.31.2 255.255.255.252

int fa0/2

ip add 38.38.38.2 255.255.255.252

int fa0/5

ip add 192.168.29.1 255.255.255.0

int fa0/6

ip add 192.168.27.1 255.255.255.0

======================================

MS12

en

conf t

hostname MS12

ip routing

int range fa0/1-2

no switchport

int range fa0/5-6

no switchport

int fa0/1

ip add 32.32.32.2 255.255.255.252

int fa0/2

ip add 39.39.39.2 255.255.255.252

int fa0/5

ip add 192.168.28.1 255.255.255.0

int fa0/6

ip add 192.168.30.1 255.255.255.0

======================================

MS13

en

conf t

hostname MS13

ip routing

int range fa0/3-4

no switchport

int range fa0/1

no switchport

int range fa0/6

no switchport

int fa0/1

ip add 192.168.33.1 255.255.255.0

int fa0/3

ip add 35.35.35.2 255.255.255.252

int fa0/4

ip add 40.40.40.2 255.255.255.252

int fa0/6

ip add 192.168.31.1 255.255.255.0

====================================

MS14

en

conf t

hostname MS14

ip routing

int range fa0/2-3

no switchport

int range fa0/5-6

no switchport

int fa0/2

ip add 192.168.32.1 255.255.255.0

int fa0/3

ip add 192.168.34.1 255.255.255.0

int fa0/5

ip add 36.36.36.2 255.255.255.252

int fa0/6

ip add 37.37.37.2 255.255.255.252

====================================

MS15

en

conf t

hostname MS15

ip routing

int range fa0/1-2

no switchport

int range fa0/5-6

no switchport

int fa0/1

ip add 33.33.33.2 255.255.255.252

int fa0/2

ip add 41.41.41.2 255.255.255.252

int fa0/5

ip add 192.168.37.1 255.255.255.0

int fa0/6

ip add 192.168.35.1 255.255.255.0

====================================

MS16

en

conf t

hostname MS16

ip routing

int range fa0/1-2

no switchport

int range fa0/5-6

no switchport

int fa0/1

ip add 192.168.18.2 255.255.255.252

int fa0/2

ip add 192.168.19.2 255.255.255.252

int fa0/5

ip add 192.168.41.1 255.255.255.0

int fa0/6

ip add 192.168.39.1 255.255.255.0

====================================

MS17

en

conf t

hostname MS17

ip routing

int range fa0/1-3

no switchport

int range fa0/6

no switchport

int fa0/1

ip add 192.168.20.2 255.255.255.252

int fa0/2

ip add 192.168.17.2 255.255.255.252

int fa0/3

ip add 192.168.40.1 255.255.255.0

int fa0/6

ip add 192.168.42.1 255.255.255.0

====================================

SW3

en

conf t

hostname SW3

vlan 30

int range fa0/3-5

switchport mode access

switchport access vlan 30

int range fa0/1-2

switchport mode trunk

int range fa0/6-8

switchport mode trunk

===================================

SW4

en

conf t

hostname SW4

vlan 40

int range fa0/5-8

switchport mode access

switchport access vlan 40

int range fa0/1-4

switchport mode trunk

====================================

SW5

en

conf t

hostname SW5

vlan 50

int range fa0/1-3

switchport mode access

switchport access vlan 50

int range fa0/8

switchport mode access

switchport access vlan 50

int range fa0/4-7

switchport mode trunk

====================================

SW6

en

conf t

hostname SW6

vlan 50

int range fa0/5-7

switchport mode access

switchport access vlan 60

int range fa0/1-4

switchport mode trunk

===================================

SW7

en

conf t

hostname SW7

vlan 70

int range fa0/5-6

switchport mode access

switchport access vlan 70

int range fa0/1-4

switchport mode trunk

===================================

SW8

en

conf t

hostname SW8

vlan 80

int range fa0/5-8

switchport mode access

switchport access vlan 80

int range fa0/1-4

switchport mode trunk

===================================

SW9

en

conf t

hostname SW9

vlan 90

int range fa0/3-5

switchport mode access

switchport access vlan 90

int fa0/8

switchport mode access

switchport access vlan 90

int range fa0/1-2

switchport mode trunk

int range fa0/6-7

switchport mode trunk

===================================

SW10

en

conf t

hostname SW10

vlan 5

int range fa0/5-8

switchport mode access

switchport access vlan 5

int range fa0/1-4

switchport mode trunk