

CONFIGURACIÓN DEL SWITCH CISCO CATALYST 4506-E

En este anexo se muestra las configuraciones completas del switch de distribución CISCO Catalyst 4506-E.

Las ACL`S aplicadas en Switch CISCO Catalyst 4506-E

```
SW-CORECENTRAL(config)# ip access-list extended TELEFONIA
SW-CORECENTRAL(config-ext-nacl)# permit udp any any range 16384 32767
SW-CORECENTRAL(config-ext-nacl)# exit
```

```
SW-CORECENTRAL(config)# ip access-list extended SEÑALIZACION
SW-CORECENTRAL(config-ext-nacl)# permit tcp any any eq 1720
SW-CORECENTRAL(config-ext-nacl)# permit tcp any eq 1720 any
SW-CORECENTRAL(config-ext-nacl)# permit udp any eq 1720 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp any eq 5060 any
SW-CORECENTRAL(config-ext-nacl)# permit udp any eq 5060 any
SW-CORECENTRAL(config-ext-nacl)# exit
```

```
SW-CORECENTRAL(config)# ip access-list extended VIDEOCONFERENCIA
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.50 eq 80 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.50 eq 139 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.50 eq 445 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.50 eq 902 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.50 eq 903 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.50 eq 1111 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.50 eq 1433 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.50 eq 1935 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.50 eq 5800 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.50 eq 5900 any
SW-CORECENTRAL(config-ext-nacl)# exit
```

```
SW-CORECENTRAL(config)# ip access-list extended VIDEO-STREAMING
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.47 eq 80 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.48 eq 80 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.49 eq 80 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.47 eq 139 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.48 eq 139 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.49 eq 139 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.47 eq 1111 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.48 eq 1111 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.49 eq 1111 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.47 eq 1935 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.48 eq 1935 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.49 eq 1935 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.47 eq 445 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.48 eq 445 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.49 eq 445 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.47 eq 5800 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.48 eq 5800 any
```

```
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.49 eq 5800 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.47 eq 5900 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.48 eq 5900 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.49 eq 5900 any
SW-CORECENTRAL(config-ext-nacl)# exit
```

```
SW-CORECENTRAL(config)# ip access-list extended BDD
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.13 eq 22 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.13 eq 139 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.13 eq 445 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.13 eq 1521 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.13 range 5901 5902
any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.13 eq 8080 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.31 eq 21 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.31 eq 80 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.31 eq 3306 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.31 eq 5432 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.32 eq 80 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.32 eq 139 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.32 eq 443 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.32 eq 445 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.32 eq 3306 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.32 eq 5432 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.32 eq 5801 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.32 eq 5901 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.46 eq 80 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.46 eq 139 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.46 eq 443 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.46 eq 445 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.46 eq 3389 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.46 eq 5800 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.46 eq 5900 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.46 eq 8082 any
SW-CORECENTRAL(config-ext-nacl)# exit
```

```
SW-CORECENTRAL(config)# ip access-list extended APLICACIONES_WEB
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.12 eq 22 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.12 eq 6008 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.12 eq 5915 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.12 range 5801 5802
any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.12 range 5901 5907
any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.12 range 5910 5911
any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.14 eq 22 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.14 eq 139 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.14 eq 445 any
```

SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.14 range 5900 5907
any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.14 eq 6701 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.14 eq 7001 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.14 range 9001 9002
any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.14.16 eq 135 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.14.16 eq 139 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.14.16 eq 445 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.14.16 range 2221 2223
any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.14.16 eq 3389 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.14.16 eq 135 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.16 eq 22 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.16 eq 389 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.16 eq 636 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.16 eq 1521 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.16 range 5801 5802
any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.16 eq 7778 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.16 eq 6008 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.16 range 5901 5903
any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.41 eq 80 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.41 eq 21 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.41 eq 139 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.41 eq 443 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.41 eq 445 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.41 eq 3306 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.41 eq 4848 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.41 eq 5800 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.41 eq 5900 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.41 eq 8082 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.41 eq 8888 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.45 eq 22 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.45 eq 7001 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.45 eq 6701 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.45 range 9001 9002
any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.120.45 eq 8888 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.240 eq 21 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.240 eq 22 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.240 eq 111 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.240 eq 443 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.240 eq 888 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.240 eq 3306 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.240 eq 5800 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.240 eq 5900 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.250 eq 80 any
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.250 eq 5666 any

```
SW-CORECENTRAL(config-ext-nacl)# exit
```

```
SW-CORECENTRAL(config)# ip access-list extended DNS
```

```
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.158 eq 42 any  
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.158 eq 53 any  
SW-CORECENTRAL(config-ext-nacl)# permit udp host 172.20.1.158 eq 53 any  
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.158 eq 88 any  
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.158 eq 123 any  
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.158 eq 135 any  
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.158 eq 137 any  
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.158 eq 139 any  
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.158 eq 389 any  
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.158 eq 445 any  
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.158 eq 464 any  
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.158 eq 593 any  
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.158 eq 636 any  
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.158 eq 3268 any  
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.158 eq 3269 any  
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.158 eq 5357 any  
SW-CORECENTRAL(config-ext-nacl)# exit
```

```
SW-CORECENTRAL(config)# ip access-list extended DHCP
```

```
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.13 eq 3128 any  
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.13 eq 3306 any  
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.13 eq 5432 any  
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.13 eq 5666 any  
SW-CORECENTRAL(config-ext-nacl)# permit tcp host 172.20.1.13 eq 5900 any  
SW-CORECENTRAL(config-ext-nacl)# exit
```

Las clases en switch CISCO Catalyst 4506-E

```
SW-CORECENTRAL(config)# class-map match-all TELEFONIA
```

```
SW-CORECENTRAL(config-cmap)# match access-group name TELEFONIA
```

```
SW-CORECENTRAL(config-cmap)# exit
```

```
SW-CORECENTRAL(config)# class-map match-all SEÑALIZACION
```

```
SW-CORECENTRAL(config-cmap)# match access-group name SEÑALIZACION
```

```
SW-CORECENTRAL(config-cmap)# exit
```

```
SW-CORECENTRAL(config)# class-map match-all VIDEOCONFERENCIA
```

```
SW-CORECENTRAL(config-cmap)# match access-group name VIDEOCONFERENCIA
```

```
SW-CORECENTRAL(config-cmap)# exit
```

```
SW-CORECENTRAL(config)# class-map match-all VIDEO-STREAMING
```

```
SW-CORECENTRAL(config-cmap)# match access-group name VIDEO-STREAMING
```

```
SW-CORECENTRAL(config-cmap)# exit
```

```
SW-CORECENTRAL(config)# class-map match-all BDD
```

```
SW-CORECENTRAL(config-cmap)# match access-group name BDD
```

```
SW-CORECENTRAL(config-cmap)# exit
```

```
SW-CORECENTRAL(config)# class-map match-all APLICACIONES_WEB  
SW-CORECENTRAL(config-cmap)# match access-group name  
APLICACIONES_WEB  
SW-CORECENTRAL(config-cmap)# exit
```

```
SW-CORECENTRAL(config)# class-map match-all DNS  
SW-CORECENTRAL(config-cmap)# match access-group name DNS  
SW-CORECENTRAL(config-cmap)# exit
```

```
SW-CORECENTRAL(config)# class-map match-all DHCP  
SW-CORECENTRAL(config-cmap)# match access-group name DHCP  
SW-CORECENTRAL(config-cmap)# exit
```

Políticas aplicadas en switch CISCO Catalyst 4506-E

```
SW-CORECENTRAL(config)# policy-map POLITICAS-QoS  
SW-CORECENTRAL(config-pmap)# class TELEFONIA  
SW-CORECENTRAL(config-pmap-c)# set ip dscp EF  
SW-CORECENTRAL(config-pmap-c)# police 150M 28125000 conform-action transmit  
exceed-action drop  
SW-CORECENTRAL(config-pmap-c)# dbl  
SW-CORECENTRAL(config-pmap-c)# exit
```

```
SW-CORECENTRAL(config-pmap)# class SEÑALIZACION  
SW-CORECENTRAL(config-pmap-c)# set ip dscp CS3  
SW-CORECENTRAL(config-pmap-c)# police 50M 9375000 conform-action transmit  
exceed-action drop  
SW-CORECENTRAL(config-pmap-c)# dbl  
SW-CORECENTRAL(config-pmap-c)# exit
```

```
SW-CORECENTRAL(config-pmap)# class VIDEOCONFERENCIA  
SW-CORECENTRAL(config-pmap-c)# set ip dscp AF41  
SW-CORECENTRAL(config-pmap-c)# police 150M 28125000 conform-action transmit  
exceed-action drop  
SW-CORECENTRAL(config-pmap-c)# dbl  
SW-CORECENTRAL(config-pmap-c)# exit  
SW-CORECENTRAL(config-pmap)# class VIDEO-STREAMING  
SW-CORECENTRAL(config-pmap-c)# set ip dscp AF43  
SW-CORECENTRAL(config-pmap-c)# police 150M 28125000 conform-action transmit  
exceed-action drop  
SW-CORECENTRAL(config-pmap-c)# dbl  
SW-CORECENTRAL(config-pmap-c)# exit
```

```
SW-CORECENTRAL(config-pmap)# class BDD  
SW-CORECENTRAL(config-pmap-c)# set ip dscp AF33  
SW-CORECENTRAL(config-pmap-c)# police 100M 18750000 conform-action transmit  
exceed-action drop  
SW-CORECENTRAL(config-pmap-c)# dbl
```

```
SW-CORECENTRAL(config-pmap-c)# exit
```

```
SW-CORECENTRAL(config-pmap)# class APLICACIONES_WEB  
SW-CORECENTRAL(config-pmap-c)# set ip dscp AF31  
SW-CORECENTRAL(config-pmap-c)# police 100M 18750000 conform-action transmit  
exceed-action drop  
SW-CORECENTRAL(config-pmap-c)# dbl  
SW-CORECENTRAL(config-pmap-c)# exit
```

```
SW-CORECENTRAL(config-pmap)# class DNS  
SW-CORECENTRAL(config-pmap-c)# set ip dscp AF21  
SW-CORECENTRAL(config-pmap-c)# police 30M 5625000 conform-action transmit  
exceed-action drop  
SW-CORECENTRAL(config-pmap-c)# dbl  
SW-CORECENTRAL(config-pmap-c)# exit
```

```
SW-CORECENTRAL(config-pmap)# class DHCP  
SW-CORECENTRAL(config-pmap-c)# set ip dscp AF23  
SW-CORECENTRAL(config-pmap-c)# police 20M 3750000 conform-action transmit  
exceed-action drop  
SW-CORECENTRAL(config-pmap-c)# dbl  
SW-CORECENTRAL(config-pmap-c)# exit
```

```
SW-CORECENTRAL(config-pmap)# class class-default  
SW-CORECENTRAL(config-pmap-c)# set ip dscp 0  
SW-CORECENTRAL(config-pmap-c)# police 250M 46875000 conform-action transmit  
exceed-action drop  
SW-CORECENTRAL(config-pmap-c)# exit
```

Aplicación de las políticas en el switch CISCO Catalyst 4506-E en sus respectivas interfaces.

```
SW-CORECENTRAL# configure terminal  
SW-CORECENTRAL(config)# interface GigabitEthernet 2/1  
SW-CORECENTRAL(config-if)# service-policy output POLITICAS-QoS  
SW-CORECENTRAL(config-if)# end  
SW-CORECENTRAL# copy running-config startup-config
```

CONFIGURACIÓN DEL SWITCH CISCO CATALYST 2960

En este anexo se muestra las configuraciones completas del switch de acceso CISCO Catalyst 2960, que fue replicada en los diferentes switch de acceso de la red.

Habilitar QoS

```
SW-FICA-LAB1-01# configure terminal  
SW-FICA-LAB1-01(config)# mls qos  
SW-FICA-LAB1-01(config)# exit
```

Configuración de las colas de entrada en el switch CISCO Catalyst 2960

```
SW-FICA-LAB1-01# configure terminal
SW-FICA-LAB1-01(config)# interface range gigabitEthernet 0/1 - 2
SW-FICA-LAB1-01(config-if-range)# mls qos trust dscp
SW-FICA-LAB1-01(config-if-range)# exit

SW-FICA-LAB1-01(config)# mls qos srr-queue input dscp-map queue 1 threshold 1 34
38
SW-FICA-LAB1-01(config)# mls qos srr-queue input dscp-map queue 1 threshold 2 24
SW-FICA-LAB1-01(config)# mls qos srr-queue input dscp-map queue 1 threshold 3 46

SW-FICA-LAB1-01(config)# mls qos srr-queue input dscp-map queue 2 threshold 1 0
SW-FICA-LAB1-01(config)# mls qos srr-queue input dscp-map queue 2 threshold 2 18
22
SW-FICA-LAB1-01(config)# mls qos srr-queue input dscp-map queue 2 threshold 3 26
30

SW-FICA-LAB1-01(config)# mls qos srr-queue input buffers 40 60
SW-FICA-LAB1-01(config)# mls qos srr-queue input threshold 1 50 60
SW-FICA-LAB1-01(config)# mls qos srr-queue input threshold 2 80 40

SW-FICA-LAB1-01# configure terminal
SW-FICA-LAB1-01(config)# mls qos srr-queue input bandwidth 45 55
SW-FICA-LAB1-01(config)# mls qos srr-queue input priority-queue 1 bandwidth 40
SW-FICA-LAB1-01(config)# end
SW-FICA-LAB1-01# copy running-config startup-config
```

Configuración de las colas de salida en el switch CISCO Catalyst 2960

```
SW-FICA-LAB1-01# configure terminal
SW-FICA-LAB1-01(config)# mls qos srr-queue output dscp-map queue 1 threshold 3 46

SW-FICA-LAB1-01(config)# mls qos srr-queue output dscp-map queue 2 threshold 3 24
SW-FICA-LAB1-01(config)# mls qos srr-queue output dscp-map queue 2 threshold 2 34
SW-FICA-LAB1-01(config)# mls qos srr-queue output dscp-map queue 2 threshold 2 38

SW-FICA-LAB1-01(config)# mls qos srr-queue output dscp-map queue 3 threshold 3 30
SW-FICA-LAB1-01(config)# mls qos srr-queue output dscp-map queue 3 threshold 2 26

SW-FICA-LAB1-01(config)# mls qos srr-queue output dscp-map queue 4 threshold 3 18
SW-FICA-LAB1-01(config)# mls qos srr-queue output dscp-map queue 4 threshold 2 22
SW-FICA-LAB1-01(config)# mls qos srr-queue output dscp-map queue 4 threshold 1 0

SW-FICA-LAB1-01(config)# mls qos queue-set output 1 buffers 25 40 25 10
SW-FICA-LAB1-01(config)# mls qos queue-set output 1 threshold 2 200 150 100 300
SW-FICA-LAB1-01(config)# mls qos queue-set output 1 threshold 3 70 100 100 200
SW-FICA-LAB1-01(config)# mls qos queue-set output 1 threshold 4 50 60 100 200

SW-FICA-LAB1-01(config)# interface range fastEthernet 0/1 - 48
SW-FICA-LAB1-01(config-if-range)# queue-set 1
```

```
SW-FICA-LAB1-01(config-if-range)# exit
```

```
SW-FICA-LAB1-01(config)# interface range gigabitEthernet 0/1 - 2
```

```
SW-FICA-LAB1-01(config-if-range)# queue-set 1
```

```
SW-FICA-LAB1-01(config-if-range)# exit
```

```
SW-FICA-LAB1-01(config)# interface range gigabitEthernet 0/1 - 2
```

```
SW-FICA-LAB1-01(config-if-range)# srr-queue bandwidth share 1 40 30 30
```

```
SW-FICA-LAB1-01(config-if-range)# priority-queue out
```

```
SW-FICA-LAB1-01(config-if-range)# exit
```

```
SW-FICA-LAB1-01# copy running-config startup-config
```