Group 68: Config Commands

Static Routing:

Group A
Group_A >en
Group_A #conf t
Group_A(config)#ip route 172.16.6.0 255.255.255.128 172.16.7.2
Group_A(config)#ip route 172.16.0.0 255.255.255.0 172.16.7.6
Group_A(config)#ip route 172.16.5.0 255.255.255.0 172.16.7.10
Group_A(config)#ip route 172.16.3.0 255.255.255.0 172.16.7.14
Group_A(config)#ip route 172.16.7.16 255.255.255.252 172.16.7.10
Group_A(config)#ip route 172.16.7.20 255.255.255.252 172.16.7.10
Group_A(config)#ip route 172.16.1.0 255.255.255.0 172.16.7.10
Group_A(config)#ip route 172.16.4.0 255.255.255.0 172.16.7.10

Group_A(config)#ip route 172.16.7.24 255.255.255.252 172.16.7.14
Group_A(config)#ip route 172.16.2.0 255.255.255.0 172.16.7.14

Group B

Group_B>en
Group_B#conf t
Group_B(config)#ip route 172.16.6.128 255.255.255.128 172.16.7.1
Group_B(config)#ip route 172.16.7.4 255.255.255.252 172.16.7.1
Group_B(config)#ip route 172.16.7.8 255.255.255.252 172.16.7.1
Group_B(config)#ip route 172.16.7.12 255.255.255.252 172.16.7.1
Group_B(config)#ip route 172.16.0.0 255.255.255.0 172.16.7.1
Group_B(config)#ip route 172.16.7.28 255.255.255.252 172.16.7.1
Group_B(config)#ip route 172.16.2.0 255.255.255.0 172.16.7.1
Group_B(config)#ip route 172.16.3.0 255.255.255.0 172.16.7.1
Group_B(config)#ip route 172.16.5.0 255.255.255.0 172.16.7.1
Group_B(config)#ip route 172.16.7.16 255.255.255.252 172.16.7.1
Group_B(config)#ip route 172.16.7.20 255.255.255.252 172.16.7.1
Group_B(config)#ip route 172.16.1.0 255.255.255.0 172.16.7.1
Group_B(config)#ip route 172.16.4.0 255.255.255.0 172.16.7.1

Group C

Group_C>en
Group_C#conf t
Group_C(config)#ip route 172.16.6.128 255.255.255.128 172.16.7.5
Group_C(config)#ip route 172.16.7.0 255.255.255.252 172.16.7.5
Group_C(config)#ip route 172.16.7.8 255.255.255.252 172.16.7.5
Group_C(config)#ip route 172.16.7.12 255.255.255.252 172.16.7.5
Group_C(config)#ip route 172.16.7.24 255.255.255.252 172.16.7.30 22
Group_C(config)#ip route 172.16.2.0 255.255.255.0 172.16.7.30
Group_C(config)#ip route 172.16.3.0 255.255.255.0 172.16.7.30
Group_C(config)#ip route 172.16.3.0 255.255.255.0 172.16.7.5
Group_C(config)#ip route 172.16.5.0 255.255.255.0 172.16.7.5
Group_C(config)#ip route 172.16.6.0 255.255.255.128 172.16.7.5
Group_C(config)#ip route 172.16.7.16 255.255.255.252 172.16.7.5
Group_C(config)#ip route 172.16.1.0 255.255.255.0 172.16.7.5

Group_C(config)#ip route 172.16.7.20 255.255.255.252 172.16.7.5
Group_C(config)#ip route 172.16.4.0 255.255.255.0 172.16.7.5

Group D

Group_D>en
Group_D#conf t
Group_D(config)#ip route 172.16.6.128 255.255.255.128 172.16.7.9
Group_D(config)#ip route 172.16.7.12 255.255.255.252 172.16.7.9
Group_D(config)#ip route 172.16.7.4 255.255.255.252 172.16.7.9
Group_D(config)#ip route 172.16.7.0 255.255.255.252 172.16.7.9
Group_D(config)#ip route 172.16.1.0 255.255.255.0 172.16.7.18
Group_D(config)#ip route 172.16.4.0 255.255.255.0 172.16.7.22
Group_D(config)#ip route 172.16.6.0 255.255.255.128 172.16.7.9
Group_D(config)#ip route 172.16.0.0 255.255.255.0 172.16.7.9
Group_D(config)#ip route 172.16.3.0 255.255.255.0 172.16.7.9
Group_D(config)#ip route 172.16.7.24 255.255.255.252 172.16.7.9
Group_D(config)#ip route 172.16.2.0 255.255.255.0 172.16.7.9
Group_D(config)#ip route 172.16.7.28 255.255.255.252 172.16.7.9

Group E

Group_E>en
Group_E#conf t
Group_E(config)#ip route 172.16.5.0 255.255.255.0 172.16.7.17
Group_E(config)#ip route 172.16.7.8 255.255.255.252 172.16.7.17
Group_E(config)#ip route 172.16.7.20 255.255.255.252 172.16.7.17

Group_E(config)#ip route 172.16.6.128 255.255.255.128 172.16.7.17

Group F

Group_F>en
Group_F#conf t
Group_F(config)#ip route 172.16.5.0 255.255.255.0 172.16.7.21
Group_F(config)#ip route 172.16.7.8 255.255.255.252 172.16.7.21
Group_F(config)#ip route 172.16.7.16 255.255.255.252 172.16.7.21

Group_F(config)#ip route 172.16.6.128 255.255.255.128 172.16.7.21

Group G

Group_G>en
Group_G#conf t
Group_G(config)#ip route 172.16.0.0 255.255.255.0 172.16.7.29

Group_G(config)#ip route 172.16.3.0 255.255.255.0 172.16.7.25

Group_G(config)#ip route 172.16.7.12 255.255.255.252 172.16.7.25

Group_G(config)#ip route 172.16.7.12 255.255.255.252 172.16.7.25
Group_G(config)#ip route 172.16.6.128 255.255.255.128 172.16.7.25

Group H

Group_H>en
Group_H#conf t
Group_H(config)#ip route 172.16.2.0 255.255.255.0 172.16.7.26
Group_H(config)#ip route 172.16.6.128 255.255.255.128 172.16.7.13
Group_H(config)#ip route 172.16.7.4 255.255.255.252 172.16.7.13
Group_H(config)#ip route 172.16.7.0 255.255.255.252 172.16.7.13
Group_H(config)#ip route 172.16.7.8 255.255.255.252 172.16.7.13
Group_H(config)#ip route 172.16.0.0 255.255.255.0 172.16.7.13
Group_H(config)#ip route 172.16.5.0 255.255.255.0 172.16.7.13
Group_H(config)#ip route 172.16.6.0 255.255.255.128 172.16.7.13
Group_H(config)#ip route 172.16.7.16 255.255.255.252 172.16.7.13
Group_H(config)#ip route 172.16.1.0 255.255.255.0 172.16.7.13
Group_H(config)#ip route 172.16.7.20 255.255.255.252 172.16.7.13
Group_H(config)#ip route 172.16.4.0 255.255.255.0 172.16.7.13

Primary Route:

Group_C>en
Group_C#conf t
Group_C(config)#ip route 172.16.2.0 255.255.255.0 s0/0/1 22

Group_C(config)#exit

Floating Route:

Group_C>en
Group_C#conf t
Group_C(config)#ip route 172.16.2.0 255.255.255.0 s0/0/0 23

Group_C(config)#exit

DHCP:

Group_B>en
Group_B#conf t
Group_B(config)#int f0/0
Group_B(config-if)#ip helper-address 172.16.6.133
Group_B(config-if)#exit
Group_B(config)#exit

Group_C>en
Group_C#conf t
Group_C(config)#int f0/0
Group_C(config-if)#ip helper-address 172.16.6.133
Group_C(config-if)#exit

Group_C(config)#exit

Group_D>en
Group_D#conf t
Group_D(config)#int f0/0
Group_D(config-if)#ip helper-address 172.16.6.133
Group_D(config-if)#exit
Group_D(config)#exit