## 

## Core-SW1

<Huawei>

Nov 15 2022 19:18:34-08:00 Huawei %%01PHY/1/PHY(l)[0]: GigabitEthernet0/0/2:

change status to upsys

Enter system view, return user view with Ctrl+Z.

[Huawei]

[Huawei]

[Huawei]

[Huawei]un in en

Info: Information center is disabled.

[Huawei]sys SW1

[SW1]sys Core-SW1

[Core-SW1]vlan batch 10 20 30 40

Info: This operation may take a few seconds. Please wait for a moment...done.

[Core-SW1]vlan batch 11 22

Info: This operation may take a few seconds. Please wait for a moment...done.

[Core-SW1]int vlanif 10

[Core-SW1-Vlanif10]ip add 192.168.10.254 24

[Core-SW1-Vlanif10]vrrp vrid 10 virtual-ip 192.168.10.252

[Core-SW1-Vlanif10]vrrp vrid 10 priority 120

[Core-SW1-Vlanif10]vrrp vird 10 ?

^

Error: Unrecognized command found at '^' position.

[Core-SW1-Vlanif10]vrrp vrid 10 ?

authentication-mode Specify password and authentication mode

preempt-mode Specify preempt mode

priority Specify priority

timer Specify timer

track Specify the track configuration

version-3 Specify the device to support V3 for VRRP

virtual-ip Specify virtual IP address

[Core-SW1-Vlanif10]vrrp vrid 10 track int g0/0/1

[Core-SW1-Vlanif10]vrrp vrid 10 track int g0/0/2

[Core-SW1-Vlanif10]dis this

#

interface Vlanif10

ip address 192.168.10.254 255.255.255.0

vrrp vrid 10 virtual-ip 192.168.10.252

vrrp vrid 10 priority 120

vrrp vrid 10 track interface GigabitEthernet0/0/1

vrrp vrid 10 track interface GigabitEthernet0/0/2

#

return

[Core-SW1-Vlanif10]int vlanif 20

[Core-SW1-Vlanif20]ip add 192.168.20.254 24

[Core-SW1-Vlanif20]vrrp vrid 20 v

[Core-SW1-Vlanif20]vrrp vrid 20 virtual-ip192.168.20.252

^

Error: Unrecognized command found at '^' position.

[Core-SW1-Vlanif20]vrrp vrid 20 virtual-ip 192.168.20.252

[Core-SW1-Vlanif20]vrrp vrid 20 pri

[Core-SW1-Vlanif20]vrrp vrid 20 priority 120

[Core-SW1-Vlanif20]vrrp vrid 20 track int g0/0/1

[Core-SW1-Vlanif20]vrrp vrid 20 track int g0/0/2

[Core-SW1-Vlanif20]dis this

#

interface Vlanif20

ip address 192.168.20.254 255.255.255.0

vrrp vrid 20 virtual-ip 192.168.20.252

vrrp vrid 20 priority 120

vrrp vrid 20 track interface GigabitEthernet0/0/1

vrrp vrid 20 track interface GigabitEthernet0/0/2

#

return

[Core-SW1-Vlanif20]int vlanif 30

[Core-SW1-Vlanif30]ip add 192.168.30.254 24

[Core-SW1-Vlanif30]vrrp vrod 30 vir

[Core-SW1-Vlanif30]vrrp vrod 30 vri

[Core-SW1-Vlanif30]vrrp vrid 30 vir

[Core-SW1-Vlanif30]vrrp vrid 30 virtual-ip 192.168.30.252

[Core-SW1-Vlanif30]vrrp vrid ?

INTEGER<1-255> Virtual router identifier

[Core-SW1-Vlanif30]vrrp vrid 30 ?

authentication-mode Specify password and authentication mode

preempt-mode Specify preempt mode

priority Specify priority

timer Specify timer

track Specify the track configuration

version-3 Specify the device to support V3 for VRRP

virtual-ip Specify virtual IP address

[Core-SW1-Vlanif30]vrrp vrid 30 track int g0/0/1

[Core-SW1-Vlanif30]vrrp vrid 30 track int g0/0/2

[Core-SW1-Vlanif30]int vlanif 40

[Core-SW1-Vlanif40]ip add 192.168.40.254 24

[Core-SW1-Vlanif40]vrrp vrid 40 vir

[Core-SW1-Vlanif40]vrrp vrid 40 virtual-ip 192.168.40.252

[Core-SW1-Vlanif40]vrrp vrid 40 track int g0/0/1

[Core-SW1-Vlanif40]vrrp vrid 40 track int g0/0/2

[Core-SW1-Vlanif40]q

[Core-SW1]int eth

[Core-SW1]int Eth-Trunk 1

[Core-SW1-Eth-Trunk1]port link-type trunk

[Core-SW1-Eth-Trunk1]port trunk all

[Core-SW1-Eth-Trunk1]port trunk allow-pass vlan all

[Core-SW1-Eth-Trunk1]q

[Core-SW1]int g0/0/3

[Core-SW1-GigabitEthernet0/0/3]eth

[Core-SW1-GigabitEthernet0/0/3]eth-trunk 1

Info: This operation may take a few seconds. Please wait for a moment...done.

[Core-SW1-GigabitEthernet0/0/3]int g0/0/4

[Core-SW1-GigabitEthernet0/0/4]eth-trunk 1

Info: This operation may take a few seconds. Please wait for a moment...done.

[Core-SW1-GigabitEthernet0/0/4]q

[Core-SW1]

[Core-SW1]int vlanif vlan 11

^

Error: Wrong parameter found at '^' position.

[Core-SW1]int vlanif vlan11

^

Error: Wrong parameter found at '^' position.

[Core-SW1]int vlanif 11

[Core-SW1-Vlanif11]ip add 192.168.11.2 24

[Core-SW1-Vlanif11]int vlanif 22

[Core-SW1-Vlanif22]ip add 192.168.6.2 24

[Core-SW1-Vlanif22]int vlanif 11

[Core-SW1-Vlanif11]undo ip add 192.168.11.2 24

[Core-SW1-Vlanif11]ip add 192.168.4.2 24

[Core-SW1-Vlanif11]dis this

#

interface Vlanif11

ip address 192.168.4.2 255.255.255.0

#

return

[Core-SW1-Vlanif11]q

[Core-SW1]int vlanif 22

[Core-SW1-Vlanif22]dis this

#

interface Vlanif22

ip address 192.168.6.2 255.255.255.0

#

return

[Core-SW1-Vlanif22]

[Core-SW1-Vlanif22]q

[Core-SW1]ports

[Core-SW1]port-g

[Core-SW1]port-group 5-8

[Core-SW1-port-group-5-8]gr

[Core-SW1-port-group-5-8]group-member g0/0/5 to g0/0/8

[Core-SW1-port-group-5-8]port link-type trunk

[Core-SW1-GigabitEthernet0/0/5]port link-type trunk

[Core-SW1-GigabitEthernet0/0/6]port link-type trunk

[Core-SW1-GigabitEthernet0/0/7]port link-type trunk

[Core-SW1-GigabitEthernet0/0/8]port link-type trunk

[Core-SW1-port-group-5-8]port trunk all

[Core-SW1-port-group-5-8]port trunk allow-pass vlan all

[Core-SW1-GigabitEthernet0/0/5]port trunk allow-pass vlan all

[Core-SW1-GigabitEthernet0/0/6]port trunk allow-pass vlan all

[Core-SW1-GigabitEthernet0/0/7]port trunk allow-pass vlan all

[Core-SW1-GigabitEthernet0/0/8]port trunk allow-pass vlan all

[Core-SW1-port-group-5-8]q

[Core-SW1]

<Core-SW1>sys

Enter system view, return user view with Ctrl+Z.

[Core-SW1]

[Core-SW1]

[Core-SW1]int g0/0/1

[Core-SW1-GigabitEthernet0/0/1]port link-type access

[Core-SW1-GigabitEthernet0/0/1]port de

[Core-SW1-GigabitEthernet0/0/1]port default vlan 11

[Core-SW1-GigabitEthernet0/0/1]int g0/0/2

[Core-SW1-GigabitEthernet0/0/2]port link-type access

[Core-SW1-GigabitEthernet0/0/2]port default vlan 22

[Core-SW1-GigabitEthernet0/0/2]q

[Core-SW1]

<Core-SW1>sys

Enter system view, return user view with Ctrl+Z.

[Core-SW1]

[Core-SW1]

[Core-SW1]int vlanif 10

[Core-SW1-Vlanif10]dis this

#

interface Vlanif10

ip address 192.168.10.254 255.255.255.0

vrrp vrid 10 virtual-ip 192.168.10.252

vrrp vrid 10 priority 120

vrrp vrid 10 track interface GigabitEthernet0/0/1

vrrp vrid 10 track interface GigabitEthernet0/0/2

#

return

[Core-SW1-Vlanif10]vrrp

^

Error:Incomplete command found at '^' position.

[Core-SW1-Vlanif10]dis this

#

interface Vlanif10

ip address 192.168.10.254 255.255.255.0

vrrp vrid 10 virtual-ip 192.168.10.252

vrrp vrid 10 priority 120

vrrp vrid 10 track interface GigabitEthernet0/0/1

vrrp vrid 10 track interface GigabitEthernet0/0/2

#

return

[Core-SW1-Vlanif10]un vrrp vrid 10 track int g0/0/1

[Core-SW1-Vlanif10]un vrrp vrid 10 track int g0/0/2

[Core-SW1-Vlanif10]vrrp vrid 10 track int g0/0/5

[Core-SW1-Vlanif10]vrrp vrid 10 track int g0/0/6

[Core-SW1-Vlanif10]q

[Core-SW1]

[Core-SW1]

[Core-SW1]

[Core-SW1]dis ip int bri

\*down: administratively down

^down: standby

(l): loopback

(s): spoofing

The number of interface that is UP in Physical is 8

The number of interface that is DOWN in Physical is 1

The number of interface that is UP in Protocol is 7

The number of interface that is DOWN in Protocol is 2

Interface IP Address/Mask Physical Protocol

MEth0/0/1 unassigned down down

NULL0 unassigned up up(s)

Vlanif1 unassigned up down

Vlanif10 192.168.10.254/24 up up

Vlanif11 192.168.4.2/24 up up

Vlanif20 192.168.20.254/24 up up

Vlanif22 192.168.6.2/24 up up

Vlanif30 192.168.30.254/24 up up

Vlanif40 192.168.40.254/24 up up

[Core-SW1]int g0/0/5

[Core-SW1-GigabitEthernet0/0/5]dis this

#

interface GigabitEthernet0/0/5

port link-type trunk

port trunk allow-pass vlan 2 to 4094

#

return

[Core-SW1-GigabitEthernet0/0/5]int vlanif 10

[Core-SW1-Vlanif10]dis this

#

interface Vlanif10

ip address 192.168.10.254 255.255.255.0

vrrp vrid 10 virtual-ip 192.168.10.252

vrrp vrid 10 priority 120

vrrp vrid 10 track interface GigabitEthernet0/0/5

vrrp vrid 10 track interface GigabitEthernet0/0/6

#

return

[Core-SW1-Vlanif10]

[Core-SW1]dis stp bri

MSTID Port Role STP State Protection

0 GigabitEthernet0/0/1 DESI FORWARDING NONE

0 GigabitEthernet0/0/2 DESI FORWARDING NONE

0 GigabitEthernet0/0/5 DESI FORWARDING NONE

0 GigabitEthernet0/0/6 DESI FORWARDING NONE

0 GigabitEthernet0/0/7 DESI FORWARDING NONE

0 GigabitEthernet0/0/8 DESI FORWARDING NONE

0 Eth-Trunk1 DESI FORWARDING NONE

[Core-SW1]stp m

[Core-SW1]stp mode ms

[Core-SW1]stp mode mstp

[Core-SW1]stp r

[Core-SW1]stp region-configuration

[Core-SW1-mst-region]re

[Core-SW1-mst-region]region-name huawei

[Core-SW1-mst-region]re

[Core-SW1-mst-region]region-l

[Core-SW1-mst-region]region-le

[Core-SW1-mst-region]region-level

^

Error: Unrecognized command found at '^' position.

[Core-SW1-mst-region]re

[Core-SW1-mst-region]region-name

^

Error:Incomplete command found at '^' position.

[Core-SW1-mst-region]revi

[Core-SW1-mst-region]revision-level 1

[Core-SW1-mst-region]ins

[Core-SW1-mst-region]instance 1 vlan 10 20

[Core-SW1-mst-region]ins

[Core-SW1-mst-region]instance 2 vlan 30 40

[Core-SW1-mst-region]active

[Core-SW1-mst-region]active r

[Core-SW1-mst-region]active region-configuration

Info: This operation may take a few seconds. Please wait for a moment...done.

[Core-SW1-mst-region]q

[Core-SW1]stp in

[Core-SW1]stp instance 1 root

[Core-SW1]stp instance 1 root p

[Core-SW1]stp instance 1 root primary

[Core-SW1]stp in

[Core-SW1]stp instance 2 roo

[Core-SW1]stp instance 2 root s

[Core-SW1]stp instance 2 root secondary

[Core-SW1]

[Core-SW1]dis vrr

[Core-SW1]dis vrrpb

[Core-SW1]dis vrrp b

[Core-SW1]dis vrrp binding

^

Error:Incomplete command found at '^' position.

[Core-SW1]dis vrrp bri

[Core-SW1]dis vrrp brief

VRID State Interface Type Virtual IP

----------------------------------------------------------------

10 Master Vlanif10 Normal 192.168.10.252

20 Master Vlanif20 Normal 192.168.20.252

30 Backup Vlanif30 Normal 192.168.30.252

40 Backup Vlanif40 Normal 192.168.40.252

----------------------------------------------------------------

Total:4 Master:2 Backup:2 Non-active:0

[Core-SW1]

<Core-SW1>sys

Enter system view, return user view with Ctrl+Z.

[Core-SW1]

[Core-SW1]

[Core-SW1]ospf 10

[Core-SW1-ospf-10]area 0

[Core-SW1-ospf-10-area-0.0.0.0]network 192.168.10.0 0.0.0.255

[Core-SW1-ospf-10-area-0.0.0.0]network 192.168.10.0 0.0.0.255 de

[Core-SW1-ospf-10-area-0.0.0.0]network 192.168.10.0 0.0.0.255 description

^

Error:Incomplete command found at '^' position.

[Core-SW1-ospf-10-area-0.0.0.0]network 192.168.10.0 0.0.0.255

[Core-SW1-ospf-10-area-0.0.0.0]network 192.168.20.0 0.0.0.255

[Core-SW1-ospf-10-area-0.0.0.0]network 192.168.30.0 0.0.0.255

[Core-SW1-ospf-10-area-0.0.0.0]network 192.168.40.0 0.0.0.255

[Core-SW1-ospf-10-area-0.0.0.0]network 192.168.4.0 0.0.0.255

[Core-SW1-ospf-10-area-0.0.0.0]network 192.168.6.0 0.0.0.255

[Core-SW1-ospf-10-area-0.0.0.0]

[Core-SW1]dis ip routing

Route Flags: R - relay, D - download to fib

------------------------------------------------------------------------------

Routing Tables: Public

Destinations : 23 Routes : 38

Destination/Mask Proto Pre Cost Flags NextHop Interface

127.0.0.0/8 Direct 0 0 D 127.0.0.1 InLoopBack0

127.0.0.1/32 Direct 0 0 D 127.0.0.1 InLoopBack0

192.168.1.0/24 OSPF 10 2 D 192.168.4.1 Vlanif11

192.168.2.0/24 OSPF 10 2 D 192.168.6.1 Vlanif22

192.168.3.0/24 OSPF 10 2 D 192.168.4.1 Vlanif11

OSPF 10 2 D 192.168.6.1 Vlanif22

192.168.4.0/24 Direct 0 0 D 192.168.4.2 Vlanif11

192.168.4.2/32 Direct 0 0 D 127.0.0.1 Vlanif11

192.168.5.0/24 OSPF 10 2 D 192.168.10.253 Vlanif10

OSPF 10 2 D 192.168.20.253 Vlanif20

OSPF 10 2 D 192.168.30.253 Vlanif30

OSPF 10 2 D 192.168.40.253 Vlanif40

OSPF 10 2 D 192.168.4.1 Vlanif11

192.168.6.0/24 Direct 0 0 D 192.168.6.2 Vlanif22

192.168.6.2/32 Direct 0 0 D 127.0.0.1 Vlanif22

192.168.7.0/24 OSPF 10 2 D 192.168.10.253 Vlanif10

OSPF 10 2 D 192.168.20.253 Vlanif20

OSPF 10 2 D 192.168.30.253 Vlanif30

OSPF 10 2 D 192.168.40.253 Vlanif40

OSPF 10 2 D 192.168.6.1 Vlanif22

192.168.10.0/24 Direct 0 0 D 192.168.10.254 Vlanif10

192.168.10.252/32 Direct 0 0 D 127.0.0.1 Vlanif10

192.168.10.254/32 Direct 0 0 D 127.0.0.1 Vlanif10

192.168.20.0/24 Direct 0 0 D 192.168.20.254 Vlanif20

192.168.20.252/32 Direct 0 0 D 127.0.0.1 Vlanif20

192.168.20.254/32 Direct 0 0 D 127.0.0.1 Vlanif20

192.168.30.0/24 Direct 0 0 D 192.168.30.254 Vlanif30

192.168.30.252/32 OSPF 10 2 D 192.168.10.253 Vlanif10

OSPF 10 2 D 192.168.20.253 Vlanif20

OSPF 10 2 D 192.168.30.253 Vlanif30

OSPF 10 2 D 192.168.40.253 Vlanif40

192.168.30.254/32 Direct 0 0 D 127.0.0.1 Vlanif30

192.168.40.0/24 Direct 0 0 D 192.168.40.254 Vlanif40

192.168.40.252/32 OSPF 10 2 D 192.168.10.253 Vlanif10

OSPF 10 2 D 192.168.20.253 Vlanif20

OSPF 10 2 D 192.168.30.253 Vlanif30

OSPF 10 2 D 192.168.40.253 Vlanif40

192.168.40.254/32 Direct 0 0 D 127.0.0.1 Vlanif40

[Core-SW1]

[Core-SW1]dis ip routing

Route Flags: R - relay, D - download to fib

------------------------------------------------------------------------------

Routing Tables: Public

Destinations : 24 Routes : 40

Destination/Mask Proto Pre Cost Flags NextHop Interface

0.0.0.0/0 O\_ASE 150 1 D 192.168.4.1 Vlanif11

O\_ASE 150 1 D 192.168.6.1 Vlanif22

127.0.0.0/8 Direct 0 0 D 127.0.0.1 InLoopBack0

127.0.0.1/32 Direct 0 0 D 127.0.0.1 InLoopBack0

192.168.1.0/24 OSPF 10 2 D 192.168.4.1 Vlanif11

192.168.2.0/24 OSPF 10 2 D 192.168.6.1 Vlanif22

192.168.3.0/24 OSPF 10 2 D 192.168.4.1 Vlanif11

OSPF 10 2 D 192.168.6.1 Vlanif22

192.168.4.0/24 Direct 0 0 D 192.168.4.2 Vlanif11

192.168.4.2/32 Direct 0 0 D 127.0.0.1 Vlanif11

192.168.5.0/24 OSPF 10 2 D 192.168.10.253 Vlanif10

OSPF 10 2 D 192.168.20.253 Vlanif20

OSPF 10 2 D 192.168.30.253 Vlanif30

OSPF 10 2 D 192.168.40.253 Vlanif40

OSPF 10 2 D 192.168.4.1 Vlanif11

192.168.6.0/24 Direct 0 0 D 192.168.6.2 Vlanif22

192.168.6.2/32 Direct 0 0 D 127.0.0.1 Vlanif22

192.168.7.0/24 OSPF 10 2 D 192.168.10.253 Vlanif10

OSPF 10 2 D 192.168.20.253 Vlanif20

OSPF 10 2 D 192.168.30.253 Vlanif30

OSPF 10 2 D 192.168.40.253 Vlanif40

OSPF 10 2 D 192.168.6.1 Vlanif22

192.168.10.0/24 Direct 0 0 D 192.168.10.254 Vlanif10

192.168.10.252/32 Direct 0 0 D 127.0.0.1 Vlanif10

192.168.10.254/32 Direct 0 0 D 127.0.0.1 Vlanif10

192.168.20.0/24 Direct 0 0 D 192.168.20.254 Vlanif20

192.168.20.252/32 Direct 0 0 D 127.0.0.1 Vlanif20

192.168.20.254/32 Direct 0 0 D 127.0.0.1 Vlanif20

192.168.30.0/24 Direct 0 0 D 192.168.30.254 Vlanif30

192.168.30.252/32 OSPF 10 2 D 192.168.10.253 Vlanif10

OSPF 10 2 D 192.168.20.253 Vlanif20

OSPF 10 2 D 192.168.30.253 Vlanif30

OSPF 10 2 D 192.168.40.253 Vlanif40

192.168.30.254/32 Direct 0 0 D 127.0.0.1 Vlanif30

192.168.40.0/24 Direct 0 0 D 192.168.40.254 Vlanif40

192.168.40.252/32 OSPF 10 2 D 192.168.10.253 Vlanif10

OSPF 10 2 D 192.168.20.253 Vlanif20

OSPF 10 2 D 192.168.30.253 Vlanif30

OSPF 10 2 D 192.168.40.253 Vlanif40

192.168.40.254/32 Direct 0 0 D 127.0.0.1 Vlanif40

[Core-SW1]

## Core-SW2

<Huawei>sy

Enter system view, return user view with Ctrl+Z.

[Huawei]un in en

Info: Information center is disabled.

[Huawei]sys Core-SW2

[Core-SW2]vlan batch 10 20 30 40 33 44

Info: This operation may take a few seconds. Please wait for a moment...done.

[Core-SW2]int vlanif 10

[Core-SW2-Vlanif10]ip add 192.168.10.253 24

[Core-SW2-Vlanif10]vrrp vrid 10 vi

[Core-SW2-Vlanif10]vrrp vrid 10 virtual-ip 192.168.10.252

[Core-SW2-Vlanif10]vrrp vrid track int g0/0/1

^

Error: Wrong parameter found at '^' position.

[Core-SW2-Vlanif10]vrrp vrid 10 track int g0/0/1

[Core-SW2-Vlanif10]vrrp vrid 10 track int g0/0/2

[Core-SW2-Vlanif10]int vlanif 20

[Core-SW2-Vlanif20]ip add 192.168.20.253 24

[Core-SW2-Vlanif20]vrrp vrid 20 virtual-ip 192.168.20.252

[Core-SW2-Vlanif20]vrrp vrid 20 track int g0/0/1

[Core-SW2-Vlanif20]vrrp vrid 20 track int g0/0/2

[Core-SW2-Vlanif20]q

[Core-SW2]

[Core-SW2]

[Core-SW2]int vlanif 30

[Core-SW2-Vlanif30]ip add 192.168l30.253 24

^

Error: Wrong parameter found at '^' position.

[Core-SW2-Vlanif30]ip add 192.168.30.253 24

[Core-SW2-Vlanif30]vrrp vrid 30 virtual-ip 192.168.30.252

[Core-SW2-Vlanif30]vrrp vrid 30 pro

[Core-SW2-Vlanif30]vrrp vrid 30 pri

[Core-SW2-Vlanif30]vrrp vrid 30 priority 120

[Core-SW2-Vlanif30]vrrp vrid 30 track int g0/0/1

[Core-SW2-Vlanif30]vrrp vrid 30 track int g0/0/2

[Core-SW2-Vlanif30]int vlanif 40

[Core-SW2-Vlanif40]ip add 192.168.40.253 24

[Core-SW2-Vlanif40]vrrp vrid 40 pr

[Core-SW2-Vlanif40]vrrp vrid 40 priority 120

Error: The VRRP does not exist.

[Core-SW2-Vlanif40]vrrp vrid 40 virtual-ip 192.168.40.252

[Core-SW2-Vlanif40]vrrp vrid 40 priority 120

[Core-SW2-Vlanif40]vrrp vrid 40 track int g0/0/1

[Core-SW2-Vlanif40]vrrp vrid 40 track int g0/0/2

[Core-SW2-Vlanif40]int vlanif 33

[Core-SW2-Vlanif33]ip add 192.168.5.2 24

[Core-SW2-Vlanif33]int vlanif 44

[Core-SW2-Vlanif44]ip add 192.168.7.2 24

[Core-SW2-Vlanif44]int g0/0/1

[Core-SW2-GigabitEthernet0/0/1]port link-type access

[Core-SW2-GigabitEthernet0/0/1]default vlan 33

^

Error: Unrecognized command found at '^' position.

[Core-SW2-GigabitEthernet0/0/1]port default link-type access

^

Error: Unrecognized command found at '^' position.

[Core-SW2-GigabitEthernet0/0/1]port default vlan 33

[Core-SW2-GigabitEthernet0/0/1]int g0/0/2

[Core-SW2-GigabitEthernet0/0/2]port link-type access

[Core-SW2-GigabitEthernet0/0/2]port default vlan 44

[Core-SW2-GigabitEthernet0/0/2]

[Core-SW2]int e

[Core-SW2]int Eth-Trunk 1

[Core-SW2-Eth-Trunk1]port link-type trunk

[Core-SW2-Eth-Trunk1]port trunk a

[Core-SW2-Eth-Trunk1]port trunk allow-pass vlan all

[Core-SW2-Eth-Trunk1]q

[Core-SW2]int g0/0/3

[Core-SW2-GigabitEthernet0/0/3]int Eth-Trunk 1

[Core-SW2-Eth-Trunk1]q

[Core-SW2]int g0/0/3

[Core-SW2-GigabitEthernet0/0/3]et

[Core-SW2-GigabitEthernet0/0/3]eth-trunk 1

Info: This operation may take a few seconds. Please wait for a moment...done.

[Core-SW2-GigabitEthernet0/0/3]q

[Core-SW2]int g0/0/4

[Core-SW2-GigabitEthernet0/0/4]et

[Core-SW2-GigabitEthernet0/0/4]eth-trunk 1

Info: This operation may take a few seconds. Please wait for a moment...done.

[Core-SW2-GigabitEthernet0/0/4]q

[Core-SW2]port -g

[Core-SW2]port-g

[Core-SW2]port-group 5-8

[Core-SW2-port-group-5-8]gro

[Core-SW2-port-group-5-8]group-member g0/0/5to g0/0/8

^

Error: Wrong parameter found at '^' position.

[Core-SW2-port-group-5-8]group-member g0/0/5 to g0/0/8

[Core-SW2-port-group-5-8]port link-type trunk

[Core-SW2-GigabitEthernet0/0/5]port link-type trunk

[Core-SW2-GigabitEthernet0/0/6]port link-type trunk

[Core-SW2-GigabitEthernet0/0/7]port link-type trunk

[Core-SW2-GigabitEthernet0/0/8]port link-type trunk

[Core-SW2-port-group-5-8]port trunk all

[Core-SW2-port-group-5-8]port trunk allow-pass vlan all

[Core-SW2-GigabitEthernet0/0/5]port trunk allow-pass vlan all

[Core-SW2-GigabitEthernet0/0/6]port trunk allow-pass vlan all

[Core-SW2-GigabitEthernet0/0/7]port trunk allow-pass vlan all

[Core-SW2-GigabitEthernet0/0/8]port trunk allow-pass vlan all

[Core-SW2-port-group-5-8]

Core-SW2]

[Core-SW2]

[Core-SW2]stp

[Core-SW2]stp m

[Core-SW2]stp mode m

[Core-SW2]stp mode mstp

[Core-SW2]stp re

[Core-SW2]stp region-configuration

[Core-SW2-mst-region]reg

[Core-SW2-mst-region]region-name

^

Error:Incomplete command found at '^' position.

[Core-SW2-mst-region]rev

[Core-SW2-mst-region]revision-level 1

[Core-SW2-mst-region]ins

[Core-SW2-mst-region]instance 1 vlan 10 20

[Core-SW2-mst-region]ins

[Core-SW2-mst-region]instance 2 vlan 30 40

[Core-SW2-mst-region]act

[Core-SW2-mst-region]active re

[Core-SW2-mst-region]active region-configuration

Info: This operation may take a few seconds. Please wait for a moment...done.

[Core-SW2-mst-region]inf

[Core-SW2-mst-region]info-c

^

Error: Unrecognized command found at '^' position.

[Core-SW2-mst-region]info-c

[Core-SW2-mst-region]stp in

[Core-SW2-mst-region]q

[Core-SW2]

[Core-SW2]

[Core-SW2]info

[Core-SW2]info-center

^

Error:Incomplete command found at '^' position.

[Core-SW2]stp in

[Core-SW2]stp instance 1 roo

[Core-SW2]stp instance 1 root se

[Core-SW2]stp instance 1 root secondary

[Core-SW2]stp i

[Core-SW2]stp instance 2 r

[Core-SW2]stp instance 2 root pr

[Core-SW2]stp instance 2 root primary

[Core-SW2]

<Core-SW2>sys

Enter system view, return user view with Ctrl+Z.

[Core-SW2]

[Core-SW2]

[Core-SW2]dis vrrp bri

VRID State Interface Type Virtual IP

----------------------------------------------------------------

10 Backup Vlanif10 Normal 192.168.10.252

20 Backup Vlanif20 Normal 192.168.20.252

30 Master Vlanif30 Normal 192.168.30.252

40 Master Vlanif40 Normal 192.168.40.252

----------------------------------------------------------------

Total:4 Master:2 Backup:2 Non-active:0

[Core-SW2]

<Core-SW2>sys

Enter system view, return user view with Ctrl+Z.

[Core-SW2]

[Core-SW2]

[Core-SW2]ospf 10

[Core-SW2-ospf-10]q

[Core-SW2]

[Core-SW2]un ospf 10

Warning: The OSPF process will be deleted. Continue? [Y/N]:y

[Core-SW2]dis this

#

sysname Core-SW2

#

undo info-center enable

#

vlan batch 10 20 30 33 40 44

#

stp instance 1 root secondary

stp instance 2 root primary

#

cluster enable

ntdp enable

ndp enable

#

drop illegal-mac alarm

#

return

[Core-SW2]dis ospf

^

Error:Incomplete command found at '^' position.

[Core-SW2]dis ospf bri

[Core-SW2]ospf 20

[Core-SW2-ospf-20]area 0

[Core-SW2-ospf-20-area-0.0.0.0]network 192.168.10.0 0.0.0.255

[Core-SW2-ospf-20-area-0.0.0.0]network 192.168.20.0 0.0.0.255

[Core-SW2-ospf-20-area-0.0.0.0]network 192.168.30.0 0.0.0.255

[Core-SW2-ospf-20-area-0.0.0.0]network 192.168.40.0 0.0.0.255

[Core-SW2-ospf-20-area-0.0.0.0]network 192.168.5.0 0.0.0.255

[Core-SW2-ospf-20-area-0.0.0.0]network 192.168.7.0 0.0.0.255

[Core-SW2-ospf-20-area-0.0.0.0]

## SW3

<Huawei>sys

Enter system view, return user view with Ctrl+Z.

[Huawei]

[Huawei]

[Huawei]un in en

Info: Information center is disabled.

[Huawei]sys SW3

[SW3]vlan batch 10 20 30 40

Info: This operation may take a few seconds. Please wait for a moment...done.

[SW3]port-g

[SW3]port-group 1-2

[SW3-port-group-1-2]gro

[SW3-port-group-1-2]group-member g0/0/1

[SW3-port-group-1-2]group-member g0/0/1 to g0/0/2

[SW3-port-group-1-2]port link

[SW3-port-group-1-2]port link-

[SW3-port-group-1-2]port link-t

[SW3-port-group-1-2]port link-type trunk

[SW3-GigabitEthernet0/0/1]port link-type trunk

[SW3-GigabitEthernet0/0/2]port link-type trunk

[SW3-port-group-1-2]port trunk all

[SW3-port-group-1-2]port trunk allow-pass vlan all

[SW3-GigabitEthernet0/0/1]port trunk allow-pass vlan all

[SW3-GigabitEthernet0/0/2]port trunk allow-pass vlan all

[SW3-port-group-1-2]q

[SW3]

[SW3]

[SW3]port-g

[SW3]port-group 3-5

[SW3-port-group-3-5]gr

[SW3-port-group-3-5]group-member e0/0/3 to e0/0/5

[SW3-port-group-3-5]port tr

[SW3-port-group-3-5]port link-

[SW3-port-group-3-5]port link-t

[SW3-port-group-3-5]port link-type trunk

[SW3-Ethernet0/0/3]port link-type trunk

[SW3-Ethernet0/0/4]port link-type trunk

[SW3-Ethernet0/0/5]port link-type trunk

[SW3-port-group-3-5]port trunk all

[SW3-port-group-3-5]port trunk allow-pass vlan all

[SW3-Ethernet0/0/3]port trunk allow-pass vlan all

[SW3-Ethernet0/0/4]port trunk allow-pass vlan all

[SW3-Ethernet0/0/5]port trunk allow-pass vlan all

[SW3-port-group-3-5]un group-member e0/0/3 to e0/0/5

[SW3-port-group-3-5]port link-

[SW3-port-group-3-5]port link-type access

[SW3-port-group-3-5]port def

[SW3-port-group-3-5]port default vlan 10

[SW3-port-group-3-5]

## SW4

<Huawei>sys

Enter system view, return user view with Ctrl+Z.

[Huawei]un in en

Info: Information center is disabled.

[Huawei]sys SW4

[SW4]vlan batch 10 20 30 40

Info: This operation may take a few seconds. Please wait for a moment...done.

[SW4]port-g

[SW4]port-group 1-2

[SW4-port-group-1-2]gr

[SW4-port-group-1-2]group-member e0/0/1 to e0/0/2

[SW4-port-group-1-2]port link-type trunk

[SW4-Ethernet0/0/1]port link-type trunk

[SW4-Ethernet0/0/2]port link-type trunk

[SW4-port-group-1-2]port trunk all

[SW4-port-group-1-2]port trunk allow-pass vlan all

[SW4-Ethernet0/0/1]port trunk allow-pass vlan all

[SW4-Ethernet0/0/2]port trunk allow-pass vlan all

[SW4-port-group-1-2]q

[SW4]port-g

[SW4]port-group 3-4

[SW4-port-group-3-4]group

[SW4-port-group-3-4]group-member e0/0/3 to e0/0/4

[SW4-port-group-3-4]port llink-type access

^

Error: Unrecognized command found at '^' position.

[SW4-port-group-3-4]port link-type access

[SW4-Ethernet0/0/3]port link-type access

[SW4-Ethernet0/0/4]port link-type access

[SW4-port-group-3-4]port def

[SW4-port-group-3-4]port default vlan 20

[SW4-Ethernet0/0/3]port default vlan 20

[SW4-Ethernet0/0/4]port default vlan 20

[SW4-port-group-3-4]

## SW5

<Huawei>sys

Enter system view, return user view with Ctrl+Z.

[Huawei]

[Huawei]

[Huawei]un in en

Info: Information center is disabled.

[Huawei]sys SW5

[SW5]vlan batch 10 20 30 40 50

Info: This operation may take a few seconds. Please wait for a moment...done.

[SW5]port-

[SW5]port-g

[SW5]port-group 1-2

[SW5-port-group-1-2]group

[SW5-port-group-1-2]port link-type trunk

[SW5-port-group-1-2]port trunk al

[SW5-port-group-1-2]port trunk allow-pass vlan all

[SW5-port-group-1-2]q

[SW5]

[SW5]

[SW5]port-g

[SW5]port-group 3-4

[SW5-port-group-3-4]group-

[SW5-port-group-3-4]group-member e0/0/3 to e0/0/4

[SW5-port-group-3-4]port link-type access

[SW5-Ethernet0/0/3]port link-type access

[SW5-Ethernet0/0/4]port link-type access

[SW5-port-group-3-4]port de

[SW5-port-group-3-4]port default vlan 30

[SW5-Ethernet0/0/3]port default vlan 30

[SW5-Ethernet0/0/4]port default vlan 30

[SW5-port-group-3-4]

<SW5>sys

Enter system view, return user view with Ctrl+Z.

[SW5]dis this

#

sysname SW5

#

undo info-center enable

#

vlan batch 10 20 30 40 50

#

cluster enable

ntdp enable

ndp enable

#

drop illegal-mac alarm

#

return

[SW5]dis ip int bri

\*down: administratively down

^down: standby

(l): loopback

(s): spoofing

The number of interface that is UP in Physical is 2

The number of interface that is DOWN in Physical is 1

The number of interface that is UP in Protocol is 1

The number of interface that is DOWN in Protocol is 2

Interface IP Address/Mask Physical Protocol

MEth0/0/1 unassigned down down

NULL0 unassigned up up(s)

Vlanif1 unassigned up down

[SW5]int e0/0/1

[SW5-Ethernet0/0/1]port link-type t

[SW5-Ethernet0/0/1]port link-type trunk

[SW5-Ethernet0/0/1]port trunk all

[SW5-Ethernet0/0/1]port trunk allow-pass vlan all

[SW5-Ethernet0/0/1]int e0/0/2

[SW5-Ethernet0/0/2]port tr

[SW5-Ethernet0/0/2]port link-t

[SW5-Ethernet0/0/2]port link-type trunk

[SW5-Ethernet0/0/2]port trun

[SW5-Ethernet0/0/2]port trunk all

[SW5-Ethernet0/0/2]port trunk allow-pass vlan all

[SW5-Ethernet0/0/2]q

[SW5]

[SW5]

[SW5]

[SW5]dis this

#

sysname SW5

#

undo info-center enable

#

vlan batch 10 20 30 40 50

#

cluster enable

ntdp enable

ndp enable

#

drop illegal-mac alarm

#

return

[SW5]int e0/0/2

[SW5-Ethernet0/0/2]dis this

#

interface Ethernet0/0/2

port link-type trunk

port trunk allow-pass vlan 2 to 4094

#

return

[SW5-Ethernet0/0/2]q

[SW5]

[SW5]

[SW5]dis this

#

sysname SW5

#

undo info-center enable

#

vlan batch 10 20 30 40 50

#

cluster enable

ntdp enable

ndp enable

#

drop illegal-mac alarm

#

return

[SW5]\

^

Error: Unrecognized command found at '^' position.

## SW6

<Huawei>sys

Enter system view, return user view with Ctrl+Z.

[Huawei]

[Huawei]

[Huawei]un in en

Info: Information center is disabled.

[Huawei]sys SW6

[SW6]vlan batch 10 20 30 40

Info: This operation may take a few seconds. Please wait for a moment...done.

[SW6]gro

[SW6]port-gr

[SW6]port-group 1-2

[SW6-port-group-1-2]grou

[SW6-port-group-1-2]group-member e0/0/1 to e0/0/2

[SW6-port-group-1-2]port lin

[SW6-port-group-1-2]port link-t

[SW6-port-group-1-2]port link-type trunk

[SW6-Ethernet0/0/1]port link-type trunk

[SW6-Ethernet0/0/2]port link-type trunk

[SW6-port-group-1-2]port tr

[SW6-port-group-1-2]port trunk all

[SW6-port-group-1-2]port trunk allow-pass vlan all

[SW6-Ethernet0/0/1]port trunk allow-pass vlan all

[SW6-Ethernet0/0/2]port trunk allow-pass vlan all

[SW6-port-group-1-2]q

[SW6]

[SW6]

[SW6]

[SW6]port-g

[SW6]port-group 3-4

[SW6-port-group-3-4]gr

[SW6-port-group-3-4]group-member e0/0/3 to e0/0/4

[SW6-port-group-3-4]port link-type acc

[SW6-port-group-3-4]port link-type access

[SW6-Ethernet0/0/3]port link-type access

[SW6-Ethernet0/0/4]port link-type access

[SW6-port-group-3-4]port de

[SW6-port-group-3-4]port default vlan 40

[SW6-Ethernet0/0/3]port default vlan 40

[SW6-Ethernet0/0/4]port default vlan 40

[SW6-port-group-3-4]

## Core-Router 2

<Huawei>sys

Enter system view, return user view with Ctrl+Z.

[Huawei]

[Huawei]un in en

Info: Information center is disabled.

[Huawei]sys Core-R2

[Core-R2]int g0/0/1

[Core-R2-GigabitEthernet0/0/1]ip add 192.168.7.1 24

[Core-R2-GigabitEthernet0/0/1]un shut

Info: Interface GigabitEthernet0/0/1 is not shutdown.

[Core-R2-GigabitEthernet0/0/1]int g0/0/0

[Core-R2-GigabitEthernet0/0/0]ip add 192.168.2.2 24

[Core-R2-GigabitEthernet0/0/0]int g0/0/2

[Core-R2-GigabitEthernet0/0/2]ip add 192.168.6.1 24

[Core-R2-GigabitEthernet0/0/2]int g4/0/0

[Core-R2-GigabitEthernet4/0/0]ip add 192.168.3.2 24

[Core-R2-GigabitEthernet4/0/0]

<Core-R2>sys

Enter system view, return user view with Ctrl+Z.

[Core-R2]

[Core-R2]

[Core-R2]ospf 40

[Core-R2-ospf-40]area 0

[Core-R2-ospf-40-area-0.0.0.0]network 192.168.7.0 0.0.0.255

[Core-R2-ospf-40-area-0.0.0.0]network 192.168.6.0 0.0.0.255

[Core-R2-ospf-40-area-0.0.0.0]network 192.168.3.0 0.0.0.255

[Core-R2-ospf-40-area-0.0.0.0]network 192.168.2.0 0.0.0.255

[Core-R2-ospf-40-area-0.0.0.0]

## Core-Router 1

<Huawei>sys

Enter system view, return user view with Ctrl+Z.

[Huawei]

[Huawei]

[Huawei]int g0/0/0

[Huawei-GigabitEthernet0/0/0]ip add 192.168.1.2 24

Nov 15 2022 20:59:40-08:00 Huawei %%01IFNET/4/LINK\_STATE(l)[0]:The line protocol

IP on the interface GigabitEthernet0/0/0 has entered the UP state.

[Huawei-GigabitEthernet0/0/0]un in en

^

Error: Unrecognized command found at '^' position.

[Huawei-GigabitEthernet0/0/0]q

[Huawei]

[Huawei]un in en

Info: Information center is disabled.

[Huawei]sys Core-R1

[Core-R1]int g0/0/2

[Core-R1-GigabitEthernet0/0/2]ip add 192.168.5.1 24

[Core-R1-GigabitEthernet0/0/2]int g0/0/1

[Core-R1-GigabitEthernet0/0/1]192.168.4.1 24

^

Error: Unrecognized command found at '^' position.

[Core-R1-GigabitEthernet0/0/1]ip add 192.168.4.1 24

[Core-R1-GigabitEthernet0/0/1]int g4/0/0

[Core-R1-GigabitEthernet4/0/0]ip add 192.168.3.1 24

[Core-R1-GigabitEthernet4/0/0]dis ip int bri

\*down: administratively down

^down: standby

(l): loopback

(s): spoofing

The number of interface that is UP in Physical is 5

The number of interface that is DOWN in Physical is 3

The number of interface that is UP in Protocol is 5

The number of interface that is DOWN in Protocol is 3

Interface IP Address/Mask Physical Protocol

GigabitEthernet0/0/0 192.168.1.2/24 up up

GigabitEthernet0/0/1 192.168.4.1/24 up up

GigabitEthernet0/0/2 192.168.5.1/24 up up

GigabitEthernet4/0/0 192.168.3.1/24 up up

GigabitEthernet4/0/1 unassigned down down

GigabitEthernet4/0/2 unassigned down down

GigabitEthernet4/0/3 unassigned down down

NULL0 unassigned up up(s)

[Core-R1-GigabitEthernet4/0/0]

<Core-R1>sys

Enter system view, return user view with Ctrl+Z.

[Core-R1]

[Core-R1]

[Core-R1]ospf 30

[Core-R1-ospf-30]ar

[Core-R1-ospf-30]area 0

[Core-R1-ospf-30-area-0.0.0.0]network 192.168.4.0 0.0.0.255

[Core-R1-ospf-30-area-0.0.0.0]network 192.168.5.0 0.0.0.255

[Core-R1-ospf-30-area-0.0.0.0]network 192.168.2.0 0.0.0.255

[Core-R1-ospf-30-area-0.0.0.0]network 192.168.3.0 0.0.0.255

[Core-R1-ospf-30-area-0.0.0.0]network 192.168.1.0 0.0.0.255

[Core-R1-ospf-30-area-0.0.0.0

## CK-Router

<Huawei>sys

Enter system view, return user view with Ctrl+Z.

[Huawei]dis ip int bri

\*down: administratively down

^down: standby

(l): loopback

(s): spoofing

The number of interface that is UP in Physical is 1

The number of interface that is DOWN in Physical is 3

The number of interface that is UP in Protocol is 1

The number of interface that is DOWN in Protocol is 3

Interface IP Address/Mask Physical Protocol

GigabitEthernet0/0/0 unassigned down down

GigabitEthernet0/0/1 unassigned down down

GigabitEthernet0/0/2 unassigned down down

NULL0 unassigned up up(s)

[Huawei]

<Huawei>sys

Enter system view, return user view with Ctrl+Z.

[Huawei]

[Huawei]

[Huawei]un in en

Info: Information center is disabled.

[Huawei]sys CK-Router

[CK-Router]int g0/0/0

[CK-Router-GigabitEthernet0/0/0]ip add 192.168.1.1 24

[CK-Router-GigabitEthernet0/0/0]int g0/0/1

[CK-Router-GigabitEthernet0/0/1]ip add 192.168.2.1 24

[CK-Router-GigabitEthernet0/0/1]int g0/0/2

[CK-Router-GigabitEthernet0/0/2]ip add 200.10.10.1 30

[CK-Router-GigabitEthernet0/0/2]dis ip int bri

\*down: administratively down

^down: standby

(l): loopback

(s): spoofing

The number of interface that is UP in Physical is 4

The number of interface that is DOWN in Physical is 0

The number of interface that is UP in Protocol is 4

The number of interface that is DOWN in Protocol is 0

Interface IP Address/Mask Physical Protocol

GigabitEthernet0/0/0 192.168.1.1/24 up up

GigabitEthernet0/0/1 192.168.2.1/24 up up

GigabitEthernet0/0/2 200.10.10.1/30 up up

NULL0 unassigned up up(s)

[CK-Router-GigabitEthernet0/0/2]

<CK-Router>sys

Enter system view, return user view with Ctrl+Z.

[CK-Router]

[CK-Router]

[CK-Router]ospf 50

[CK-Router-ospf-50]area 0

[CK-Router-ospf-50-area-0.0.0.0]network 192.168.1.0 0.0.0.255

[CK-Router-ospf-50-area-0.0.0.0]network 192.168.2.0 0.0.0.255

[CK-Router-ospf-50-area-0.0.0.0]q

[CK-Router-ospf-50]

[CK-Router]ip route-sta

[CK-Router]ip route-static 0.0.0.0 0.0.0.0 200.10.10.2

[CK-Router]ospf 50

[CK-Router-ospf-50]def

[CK-Router-ospf-50]default-r

[CK-Router-ospf-50]default-route-advertise al

[CK-Router-ospf-50]default-route-advertise always

[CK-Router]dis ip routing

Route Flags: R - relay, D - download to fib

------------------------------------------------------------------------------

Routing Tables: Public

Destinations : 27 Routes : 36

Destination/Mask Proto Pre Cost Flags NextHop Interface

0.0.0.0/0 Static 60 0 RD 200.10.10.2 GigabitEthernet

0/0/2

127.0.0.0/8 Direct 0 0 D 127.0.0.1 InLoopBack0

127.0.0.1/32 Direct 0 0 D 127.0.0.1 InLoopBack0

127.255.255.255/32 Direct 0 0 D 127.0.0.1 InLoopBack0

192.168.1.0/24 Direct 0 0 D 192.168.1.1 GigabitEthernet

0/0/0

192.168.1.1/32 Direct 0 0 D 127.0.0.1 GigabitEthernet

0/0/0

192.168.1.255/32 Direct 0 0 D 127.0.0.1 GigabitEthernet

0/0/0

192.168.2.0/24 Direct 0 0 D 192.168.2.1 GigabitEthernet

0/0/1

192.168.2.1/32 Direct 0 0 D 127.0.0.1 GigabitEthernet

0/0/1

192.168.2.255/32 Direct 0 0 D 127.0.0.1 GigabitEthernet

0/0/1

192.168.3.0/24 OSPF 10 2 D 192.168.1.2 GigabitEthernet

0/0/0

OSPF 10 2 D 192.168.2.2 GigabitEthernet

0/0/1

192.168.4.0/24 OSPF 10 2 D 192.168.1.2 GigabitEthernet

0/0/0

192.168.5.0/24 OSPF 10 2 D 192.168.1.2 GigabitEthernet

0/0/0

192.168.6.0/24 OSPF 10 2 D 192.168.2.2 GigabitEthernet

0/0/1

192.168.7.0/24 OSPF 10 2 D 192.168.2.2 GigabitEthernet

0/0/1

192.168.10.0/24 OSPF 10 3 D 192.168.1.2 GigabitEthernet

0/0/0

OSPF 10 3 D 192.168.2.2 GigabitEthernet

0/0/1

192.168.10.252/32 OSPF 10 3 D 192.168.1.2 GigabitEthernet

0/0/0

OSPF 10 3 D 192.168.2.2 GigabitEthernet

0/0/1

192.168.20.0/24 OSPF 10 3 D 192.168.1.2 GigabitEthernet

0/0/0

OSPF 10 3 D 192.168.2.2 GigabitEthernet

0/0/1

192.168.20.252/32 OSPF 10 3 D 192.168.1.2 GigabitEthernet

0/0/0

OSPF 10 3 D 192.168.2.2 GigabitEthernet

0/0/1

192.168.30.0/24 OSPF 10 3 D 192.168.1.2 GigabitEthernet

0/0/0

OSPF 10 3 D 192.168.2.2 GigabitEthernet

0/0/1

192.168.30.252/32 OSPF 10 3 D 192.168.1.2 GigabitEthernet

0/0/0

OSPF 10 3 D 192.168.2.2 GigabitEthernet

0/0/1

192.168.40.0/24 OSPF 10 3 D 192.168.1.2 GigabitEthernet

0/0/0

OSPF 10 3 D 192.168.2.2 GigabitEthernet

0/0/1

192.168.40.252/32 OSPF 10 3 D 192.168.1.2 GigabitEthernet

0/0/0

OSPF 10 3 D 192.168.2.2 GigabitEthernet

0/0/1

200.10.10.0/30 Direct 0 0 D 200.10.10.1 GigabitEthernet

0/0/2

200.10.10.1/32 Direct 0 0 D 127.0.0.1 GigabitEthernet

0/0/2

200.10.10.3/32 Direct 0 0 D 127.0.0.1 GigabitEthernet

0/0/2

255.255.255.255/32 Direct 0 0 D 127.0.0.1 InLoopBack0

[CK-Router]

[CK-Router]ac

[CK-Router]acl 2000

[CK-Router-acl-basic-2000]rule pe

[CK-Router-acl-basic-2000]rule permit sou

[CK-Router-acl-basic-2000]rule permit source 192.168.0.0 0.0.255.255

[CK-Router-acl-basic-2000]dis this

[V200R003C00]

#

acl number 2000

rule 5 permit source 192.168.0.0 0.0.255.255

#

return

[CK-Router-acl-basic-2000]w

^

Error: Unrecognized command found at '^' position.

[CK-Router-acl-basic-2000]q

[CK-Router]

[CK-Router]

[CK-Router]int g0/0/2

[CK-Router-GigabitEthernet0/0/2]nat outbound 2000

[CK-Router-GigabitEthernet0/0/2]q

[CK-Router]

[CK-Router]

[CK-Router]

[CK-Router]

[CK-Router]dis nat se

[CK-Router]dis nat ses

[CK-Router]dis nat session all

[CK-Router]dis nat session all

NAT Session Table Information:

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38131

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10319

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38132

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10320

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38113

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10302

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38111

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10301

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38129

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10317

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38121

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10310

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38122

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10311

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38123

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10312

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38126

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10314

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38127

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10315

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38128

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10316

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38130

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10318

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38133

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10321

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38140

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10327

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38144

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10331

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38137

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10325

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38138

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10326

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38141

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10328

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38142

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10329

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38143

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10330

Protocol : ICMP(1)

SrcAddr Vpn : 192.168.20.1

DestAddr Vpn : 200.10.20.2

Type Code IcmpId : 0 8 38174

NAT-Info

New SrcAddr : 200.10.10.1

New DestAddr : ----

New IcmpId : 10359

## ISP-Router

<Huawei>sys

Enter system view, return user view with Ctrl+Z.

[Huawei]

[Huawei]

[Huawei]un in en

Info: Information center is disabled.

[Huawei]sys ISP-Router

[ISP-Router]int g0/0/0

[ISP-Router-GigabitEthernet0/0/0]ip add 200.10.10.2 30

[ISP-Router-GigabitEthernet0/0/0]int g0/0/1

[ISP-Router-GigabitEthernet0/0/1]ip add 200.10.20.1 28

[ISP-Router-GigabitEthernet0/0/1]dis ip int bri

\*down: administratively down

^down: standby

(l): loopback

(s): spoofing

The number of interface that is UP in Physical is 3

The number of interface that is DOWN in Physical is 1

The number of interface that is UP in Protocol is 3

The number of interface that is DOWN in Protocol is 1

Interface IP Address/Mask Physical Protocol

GigabitEthernet0/0/0 200.10.10.2/30 up up

GigabitEthernet0/0/1 200.10.20.1/28 up up

GigabitEthernet0/0/2 unassigned down down

NULL0 unassigned up up(s)

[ISP-Router-GigabitEthernet0/0/1]ping 200.10.10.1

PING 200.10.10.1: 56 data bytes, press CTRL\_C to break

Reply from 200.10.10.1: bytes=56 Sequence=1 ttl=255 time=80 ms

Reply from 200.10.10.1: bytes=56 Sequence=2 ttl=255 time=30 ms

Reply from 200.10.10.1: bytes=56 Sequence=3 ttl=255 time=20 ms

Reply from 200.10.10.1: bytes=56 Sequence=4 ttl=255 time=20 ms

Reply from 200.10.10.1: bytes=56 Sequence=5 ttl=255 time=30 ms

--- 200.10.10.1 ping statistics ---

5 packet(s) transmitted

5 packet(s) received

0.00% packet loss

round-trip min/avg/max = 20/36/80 ms

[ISP-Router-GigabitEthernet0/0/