

Laboratorio 1

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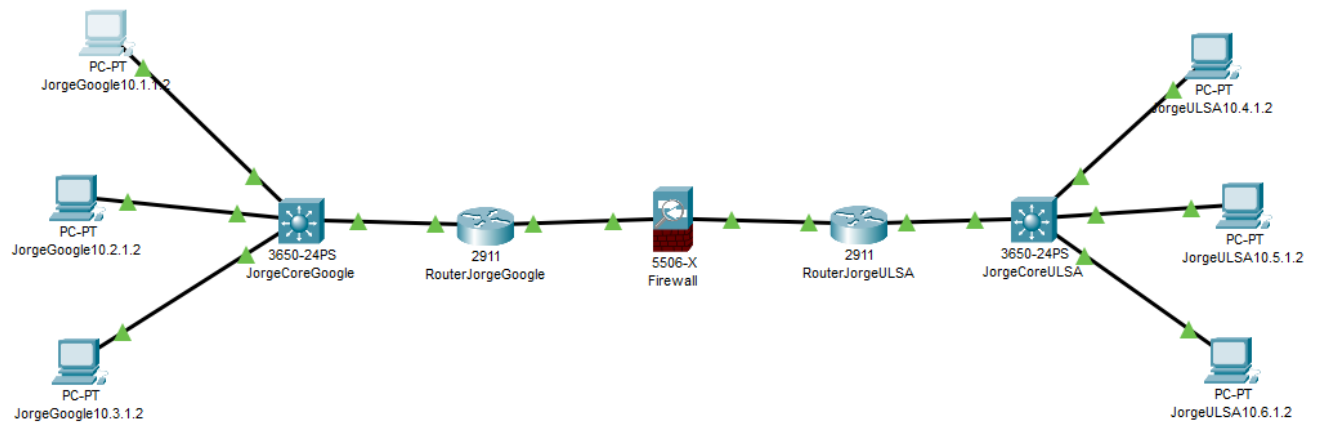
Matricula: 13104

Fecha: 2 de septiembre del 2024

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Packet tracer:



Ping de Google PC 10.1.1.2 -> PCs de ULSA

```

JorgeGoogle10.1.1.2
Physical Config Desktop Programming Attributes
Command Prompt
C:\>ping 10.5.1.2

Pinging 10.5.1.2 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 10.5.1.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 10.4.1.2

Pinging 10.4.1.2 with 32 bytes of data:

Reply from 10.4.1.2: bytes=32 time<1ms TTL=123
Reply from 10.4.1.2: bytes=32 time<1ms TTL=123
Reply from 10.4.1.2: bytes=32 time<1ms TTL=123
Reply from 10.4.1.2: bytes=32 time<1ms TTL=123

Ping statistics for 10.4.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 10.5.1.2

Pinging 10.5.1.2 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 10.5.1.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 10.6.1.2

Pinging 10.6.1.2 with 32 bytes of data:

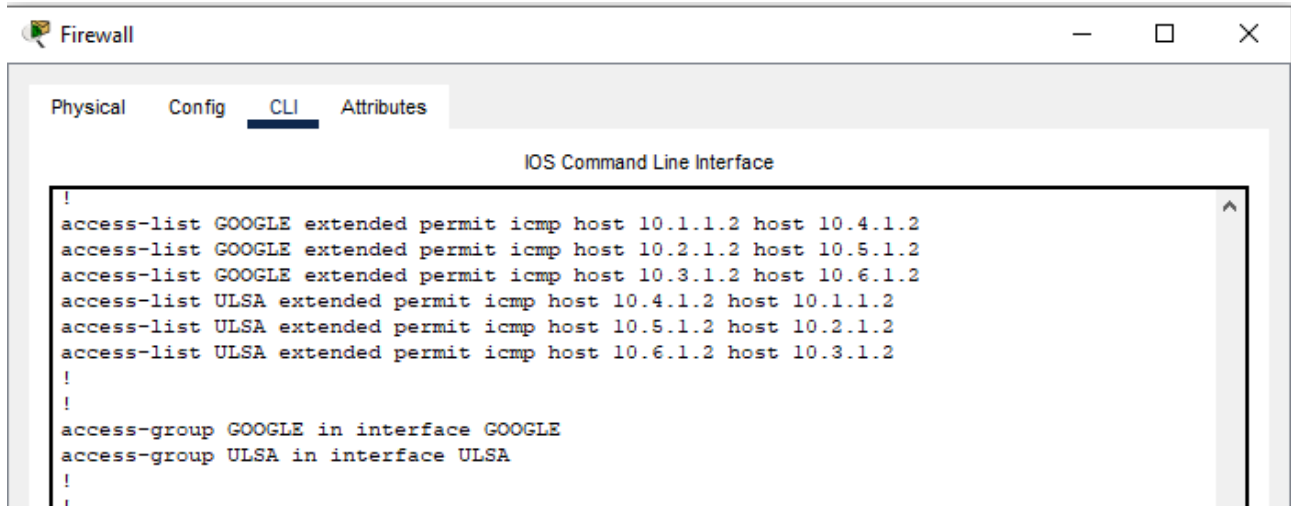
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 10.6.1.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
  
```

Explicación:

Debido a la configuración del firewall este solo permite que la pc 10.1.1.2 se conecte a la 10.4.1.2 y viceversa, sin embargo bloquea a cualquier otra dirección ip y se puede ver en el sh run del firewall

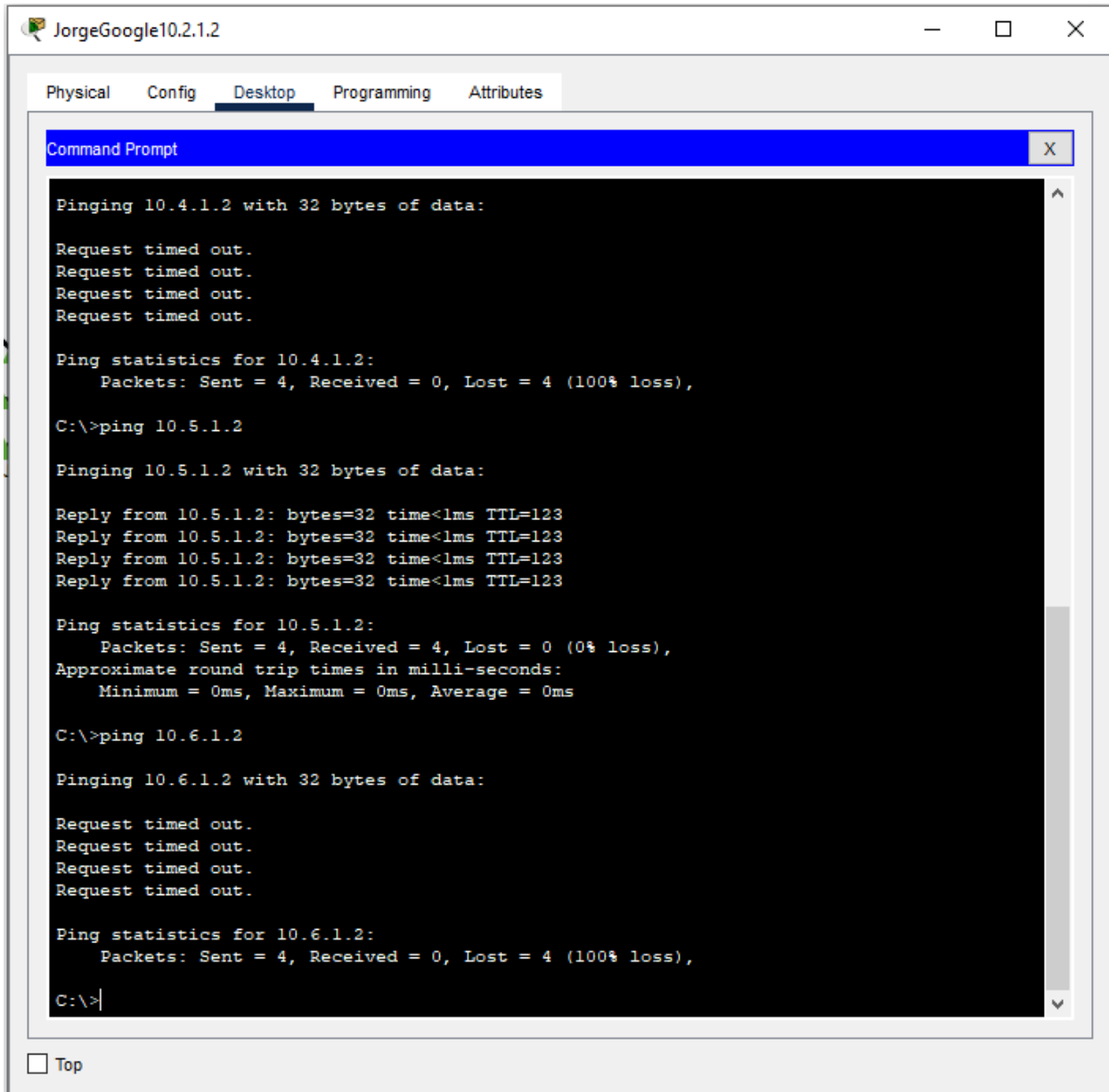


The screenshot shows a window titled "Firewall" with tabs for Physical, Config, CLI, and Attributes. The CLI tab is active, displaying the following configuration:

```
!
access-list GOOGLE extended permit icmp host 10.1.1.2 host 10.4.1.2
access-list GOOGLE extended permit icmp host 10.2.1.2 host 10.5.1.2
access-list GOOGLE extended permit icmp host 10.3.1.2 host 10.6.1.2
access-list ULSA extended permit icmp host 10.4.1.2 host 10.1.1.2
access-list ULSA extended permit icmp host 10.5.1.2 host 10.2.1.2
access-list ULSA extended permit icmp host 10.6.1.2 host 10.3.1.2
!
!
access-group GOOGLE in interface GOOGLE
access-group ULSA in interface ULSA
!
!
```

Esto también explica como la 10.2.1.2 solo puede mandar y recibir trafico a la 10.5.1.2 y viceversa, igual de la 10.3.1.2 a la 10.6.1.2 y viceversa.

Pings 10.2.1.2 a PCs ULSA:



The screenshot shows a Packet Tracer desktop environment. The desktop has a single icon labeled 'JorgeGoogle10.2.1.2'. The 'Desktop' tab is selected in the top navigation bar. A 'Command Prompt' window is open, displaying the following text:

```
Command Prompt

Pinging 10.4.1.2 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 10.4.1.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 10.5.1.2

Pinging 10.5.1.2 with 32 bytes of data:

Reply from 10.5.1.2: bytes=32 time<1ms TTL=123
Reply from 10.5.1.2: bytes=32 time<1ms TTL=123
Reply from 10.5.1.2: bytes=32 time<1ms TTL=123
Reply from 10.5.1.2: bytes=32 time<1ms TTL=123

Ping statistics for 10.5.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 10.6.1.2

Pinging 10.6.1.2 with 32 bytes of data:

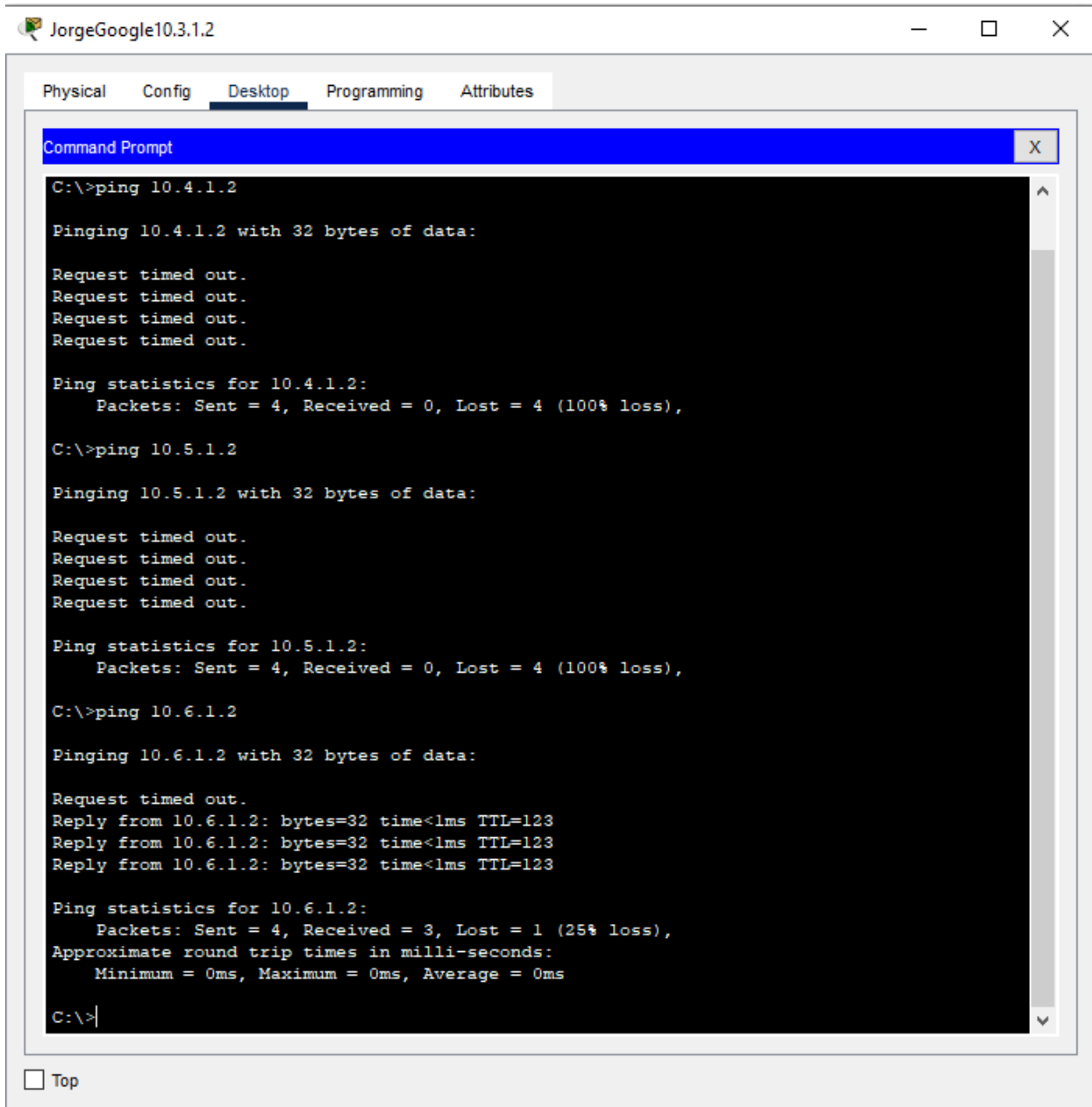
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 10.6.1.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

At the bottom left of the window, there is a checkbox labeled 'Top' which is currently unchecked.

Pings 10.3.1.2 a PCs ULSA:



Physical Config **Desktop** Programming Attributes

Command Prompt

```
C:\>ping 10.4.1.2

Pinging 10.4.1.2 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 10.4.1.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 10.5.1.2

Pinging 10.5.1.2 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 10.5.1.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 10.6.1.2

Pinging 10.6.1.2 with 32 bytes of data:


Request timed out.
Reply from 10.6.1.2: bytes=32 time<1ms TTL=123
Reply from 10.6.1.2: bytes=32 time<1ms TTL=123
Reply from 10.6.1.2: bytes=32 time<1ms TTL=123

Ping statistics for 10.6.1.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

☐ Top

Show run de CORES:



```
interface GigabitEthernet1/0/1
  switchport access vlan 100
  switchport mode access
!
interface GigabitEthernet1/0/2
  switchport access vlan 200
  switchport mode access
!
interface GigabitEthernet1/0/3
  switchport access vlan 300
  switchport mode access
!
interface GigabitEthernet1/0/4
!
interface GigabitEthernet1/0/5
!
interface GigabitEthernet1/0/6
!
interface GigabitEthernet1/0/7
!
interface GigabitEthernet1/0/8
!
interface GigabitEthernet1/0/9
!
interface GigabitEthernet1/0/10
!
interface GigabitEthernet1/0/11
!
interface GigabitEthernet1/0/12
!
interface GigabitEthernet1/0/13
!
interface GigabitEthernet1/0/14
!
interface GigabitEthernet1/0/15
!
interface GigabitEthernet1/0/16
!
interface GigabitEthernet1/0/17
!
interface GigabitEthernet1/0/18
!
interface GigabitEthernet1/0/19
!
interface GigabitEthernet1/0/20
!
interface GigabitEthernet1/0/21
!
interface GigabitEthernet1/0/22
!
interface GigabitEthernet1/0/23
!
interface GigabitEthernet1/0/24
  no switchport
  ip address 11.11.11.1 255.255.255.252
  duplex auto
  speed auto
!
```


JorgeCoreGoogle

Physical Config CLI Attributes

IOS Command Line Interface

```
interface GigabitEthernet1/0/17
!
interface GigabitEthernet1/0/18
!
interface GigabitEthernet1/0/19
!
interface GigabitEthernet1/0/20
!
interface GigabitEthernet1/0/21
!
interface GigabitEthernet1/0/22
!
interface GigabitEthernet1/0/23
!
interface GigabitEthernet1/0/24
no switchport
ip address 11.11.11.1 255.255.255.252
duplex auto
speed auto
!
interface GigabitEthernet1/1/1
!
interface GigabitEthernet1/1/2
!
interface GigabitEthernet1/1/3
!
interface GigabitEthernet1/1/4
!
interface Vlan1
no ip address
shutdown
!
interface Vlan100
mac-address 0001.426d.7401
ip address 10.1.1.1 255.255.255.0
!
interface Vlan200
mac-address 0001.426d.7402
ip address 10.2.1.1 255.255.255.0
!
interface Vlan300
mac-address 0001.426d.7403
ip address 10.3.1.1 255.255.255.0
!
router eigrp 100
redistribute connected
network 11.0.0.0
auto-summary
!
```


Show run de routers:



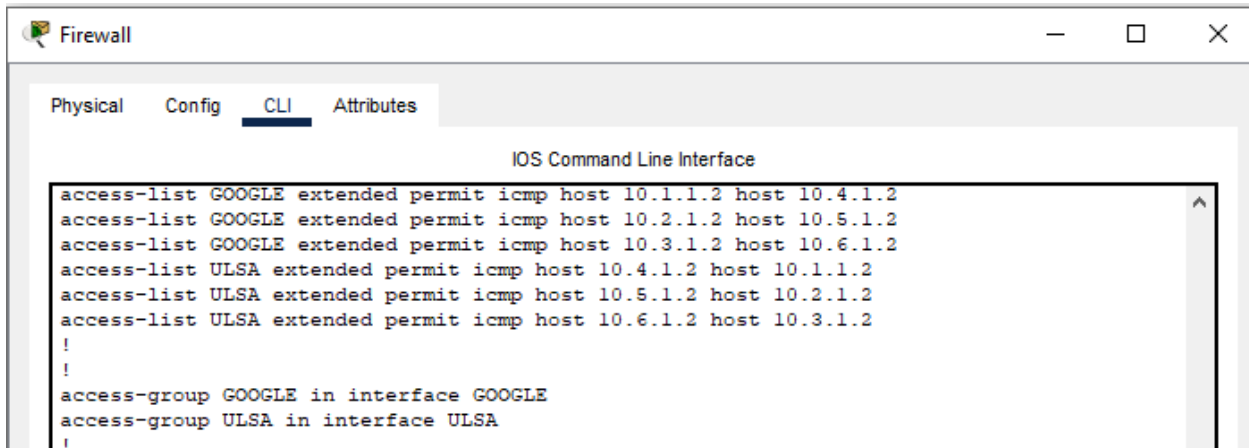
RouterJorgeGoogle

Physical Config CLI Attributes

IOS Command Line Interface

```
interface GigabitEthernet0/0
ip address 11.11.11.2 255.255.255.252
duplex auto
speed auto
!
interface GigabitEthernet0/1
ip address 12.12.12.1 255.255.255.252
duplex auto
speed auto
!
interface GigabitEthernet0/2
no ip address
duplex auto
speed auto
shutdown
!
interface Vlan1
no ip address
shutdown
!
router eigrp 100
 redistribute connected
 network 11.0.0.0
 network 12.0.0.0
```

Show run del firewall:



Firewall

Physical Config CLI Attributes

IOS Command Line Interface

```
access-list GOOGLE extended permit icmp host 10.1.1.2 host 10.4.1.2
access-list GOOGLE extended permit icmp host 10.2.1.2 host 10.5.1.2
access-list GOOGLE extended permit icmp host 10.3.1.2 host 10.6.1.2
access-list ULSA extended permit icmp host 10.4.1.2 host 10.1.1.2
access-list ULSA extended permit icmp host 10.5.1.2 host 10.2.1.2
access-list ULSA extended permit icmp host 10.6.1.2 host 10.3.1.2
!
!
access-group GOOGLE in interface GOOGLE
access-group ULSA in interface ULSA
!
```