

Screenshot (10).png

```
COM3-PuTTY
level = ipbasek9 and license = ipbasek9
*Jan  2 00:00:02.795: %IOS_LICENSE_IMAGE_APPLICATION-6-LICENSE_LEVEL: Module name = c1900 Next reboot
level = securityk9 and license = securityk9
*Jun  3 11:14:15.623: c3600_scp_set_dataddr2_idb(185)add = 80 name is Embedded-Service-Engine0/0
*Jun  3 11:14:25.795: VPA-3-PA_INIT_FAILED: Performance Agent failed to initialize (Missing Data Licen
se)
*Jun  3 11:14:25.819: %VEN_HW-6-INFO LOC: Crypto engine: onboard 0 State changed to: Initialized
*Jun  3 11:14:25.823: %VEN_HW-6-INFO LOC: Crypto engine: onboard 0 State changed to: Enabled
*Jun  3 11:14:30.691: %LINK-3-UPDOWN: Interface GigabitEthernet0/0, changed state to up
*Jun  3 11:14:30.695: %LINK-3-UPDOWN: Interface GigabitEthernet0/1, changed state to down
*Jun  3 11:14:31.755: %LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed stat
e to up
*Jun  3 11:14:31.755: %LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed stat
e to down
*Jun  3 11:18:23.991: %LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to administratively
down
*Jun  3 11:18:25.967: %LINK-5-CHANGED: Interface Embedded-Service-Engine0/0, changed state to administ
ratively down
*Jun  3 11:18:25.967: %LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to administratively
down
*Jun  3 11:18:26.967: %LINEPROTO-5-UPDOWN: Line protocol on Interface Embedded-Service-Engine0/0, chan
ged state to down
*Jun  3 11:18:26.967: %LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed stat
e to down
*Jun  3 11:18:27.563: %IP-5-WEBINST KILL: Terminating DNS process
*Jun  3 11:18:32.635: %SYS-5-RESTART: System restarted --
Cisco IOS Software, C1900 Software (C1900-UNIVERSALK9-M), Version 15.7(3)MS, RELEASE SOFTWARE (fc1)
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Compiled Thu 26-Sep-19 23:54 by prod_rel_team
*Jun  3 11:18:33.311: %CRYPTO-6-ISAAMP_ON_OFF: ISAAMP is OFF
*Jun  3 11:18:33.311: %CRYPTO-6-GDOI_ON_OFF: GDOI is OFF
*Jun  3 11:18:33.311: %CRYPTO-6-ISAAMP_ON_OFF: ISAAMP is OFF
*Jun  3 11:18:33.311: %CRYPTO-6-GDOI_ON_OFF: GDOI is OFF
Router>en
Router#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#host R1
R1(config)#int gi0/0
R1(config-if)#ip add 8.8.8.11 255.0.0.0
R1(config-if)#no shut
R1(config-if)#int gi0/1
R1(config-if)#ip add 172.16.1.1 255.255.255.0
R1(config-if)#no shut
R1(config-if)#exit
R1(config)#ip dhcp pool LW6_1
R1(dhcp-config)#network 172.16.1.0 255.255.255.0
R1(dhcp-config)#default-router 172.16.1.1
R1(dhcp-config)#exit
R1(config)#exit
*Jun  3 11:18:54.147: %PNP-6-PNP_DISCOVERY_STOPPED: PnP Discovery stopped (Config Wizard)
*Jun  3 11:18:55.587: %LINK-3-UPDOWN: Interface GigabitEthernet0/0, changed state to down
*Jun  3 11:18:55.639: %LINK-3-UPDOWN: Interface GigabitEthernet0/1, changed state to down
R1#
*Jun  3 11:18:57.375: %SYS-5-CONFIG_I: Configured from console by console
*Jun  3 11:18:58.699: %LINK-3-UPDOWN: Interface GigabitEthernet0/1, changed state to up
*Jun  3 11:18:59.691: %LINK-3-UPDOWN: Interface GigabitEthernet0/0, changed state to up
*Jun  3 11:18:59.699: %LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed stat
e to up
*Jun  3 11:19:00.691: %LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed stat
e to up
```

Screenshot (11).png

```
COM3-PuTTY
*Jun 3 11:18:59.699: *LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed stat
e to up
*Jun 3 11:19:00.691: *LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed stat
e to up
% Please answer 'yes' or 'no'.
Would you like to enter the initial configuration dialog? [yes/no]: no

Press RETURN to get started!

*Jan 2 00:00:02.235: *SMART LIC-6-AGENT READY: Smart Agent for Licensing is initialized
*Jan 2 00:00:02.579: *IOS_LICENSE_IMAGE APPLICATION-6-LICENSE_LEVEL: Module name = c1900 Next reboot level = ipbasek9 and License = ipbasek9
*Jan 2 00:00:02.779: *IOS_LICENSE_IMAGE APPLICATION-6-LICENSE_LEVEL: Module name = c1900 Next reboot level = securityk9 and License = securityk9
*Jun 3 13:34:09.231: *C6000 scp_ext_data:db2_1db(185)add = 80 Name is Embedded-Service-Engine0/0
*Jun 3 13:34:17.407: *SPA-3-PA_INIT FAILED: Performance Agent failed to initialize (Missing Data License)
*Jun 3 13:34:17.435: *VPN_HW-6-INFO_LOC: Crypto engine: onboard 0 State changed to: Initialized
*Jun 3 13:34:17.435: *VPN_HW-6-INFO_LOC: Crypto engine: onboard 0 State changed to: Enabled
*Jun 3 13:34:22.297: *LINK-3-UPDOWN: Interface GigabitEthernet0/0, changed state to up
*Jun 3 13:34:22.297: *LINK-3-UPDOWN: Interface GigabitEthernet0/1, changed state to down
*Jun 3 13:34:23.387: *LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to up
*Jun 3 13:34:23.387: *LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to down
*Jun 3 13:38:24.187: *SYS-6-STARTUP CONFIG IGNORED: System startup configuration is ignored based on the configuration register setting.
*Jun 3 13:38:24.287: *LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to down
*Jun 3 13:38:25.287: *LINK-3-UPDOWN: Interface GigabitEthernet0/0, changed state to down
*Jun 3 13:39:57.615: *LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to administratively down
*Jun 3 13:39:57.675: *LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to administratively down
*Jun 3 13:39:59.975: *LINK-5-CHANGED: Interface Embedded-Service-Engine0/0, changed state to administratively down
*Jun 3 13:40:00.055: *SYS-5-RESTART: System restarted --
Cisco IOS Software, C1900 Software (C1900-UNIVERSALK9-M), Version 15.7(3)M3, RELEASE SOFTWARE (fc1)
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Compiled Tue 02-Mar-21 06:13 by prod_rel_team
*Jun 3 13:40:00.735: *CRYPTO-6-ISAKMP ON OFF: ISAKMP is OFF
*Jun 3 13:40:00.735: *CRYPTO-6-GDOI ON OFF: GDOI is OFF
*Jun 3 13:40:00.735: *CRYPTO-6-ISAKMP ON OFF: ISAKMP is OFF
*Jun 3 13:40:00.735: *CRYPTO-6-GDOI ON OFF: GDOI is OFF
*Jun 3 13:40:00.735: *LINEPROTO-5-UPDOWN: Line protocol on Interface Embedded-Service-Engine0/0, changed state to down
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#host R2
R2(config)#int g10/0
R2(config-if)#ip add 8.8.8.22 255.0.0.0
R2(config-if)#no shut
R2(config-if)#int g10/1
R2(config-if)#ip add 10.1.1.1 255.255.255.0
R2(config-if)#no shut
R2(config-if)#exit
R2(config)#ip dhcp pool LW6_2
R2(dhcp-config)#network 10.1.1.0 255.255.255.0
R2(dhcp-config)#default-router 10.1.1.1
R2(dhcp-config)#end
R2#
*Jun 3 13:40:46.575: *LINK-3-UPDOWN: Interface GigabitEthernet0/0, changed state to down
*Jun 3 13:40:46.627: *LINK-3-UPDOWN: Interface GigabitEthernet0/1, changed state to down
*Jun 3 13:40:47.711: *SYS-5-CONFIG I: Configured from console by console
*Jun 3 13:40:50.287: *LINK-3-UPDOWN: Interface GigabitEthernet0/0, changed state to up
*Jun 3 13:40:50.297: *LINK-3-UPDOWN: Interface GigabitEthernet0/1, changed state to up
*Jun 3 13:40:51.287: *LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to up
*Jun 3 13:40:51.287: *LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up
```

Screenshot (12).png

```
Select C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19045.4046]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet 4:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Ethernet adapter Ethernet 3:

    Connection-specific DNS Suffix  . :
    Link-local IPv6 Address . . . . . : fe80::6a07:bc77:1e4a:3e7f%8
    IPv4 Address. . . . . : 10.1.1.4
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 10.1.1.1

C:\Windows\System32>ping 10.1.1.3

Pinging 10.1.1.3 with 32 bytes of data:
Reply from 10.1.1.3: bytes=32 time=2ms TTL=128
Reply from 10.1.1.3: bytes=32 time=2ms TTL=128
Reply from 10.1.1.3: bytes=32 time=2ms TTL=128
Reply from 10.1.1.3: bytes=32 time=2ms TTL=128

Ping statistics for 10.1.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 2ms, Average = 2ms

C:\Windows\System32>ping 172.16.1.2

Pinging 172.16.1.2 with 32 bytes of data:
Reply from 10.1.1.1: Destination host unreachable.
Request timed out.
Reply from 10.1.1.1: Destination host unreachable.
Reply from 10.1.1.1: Destination host unreachable.

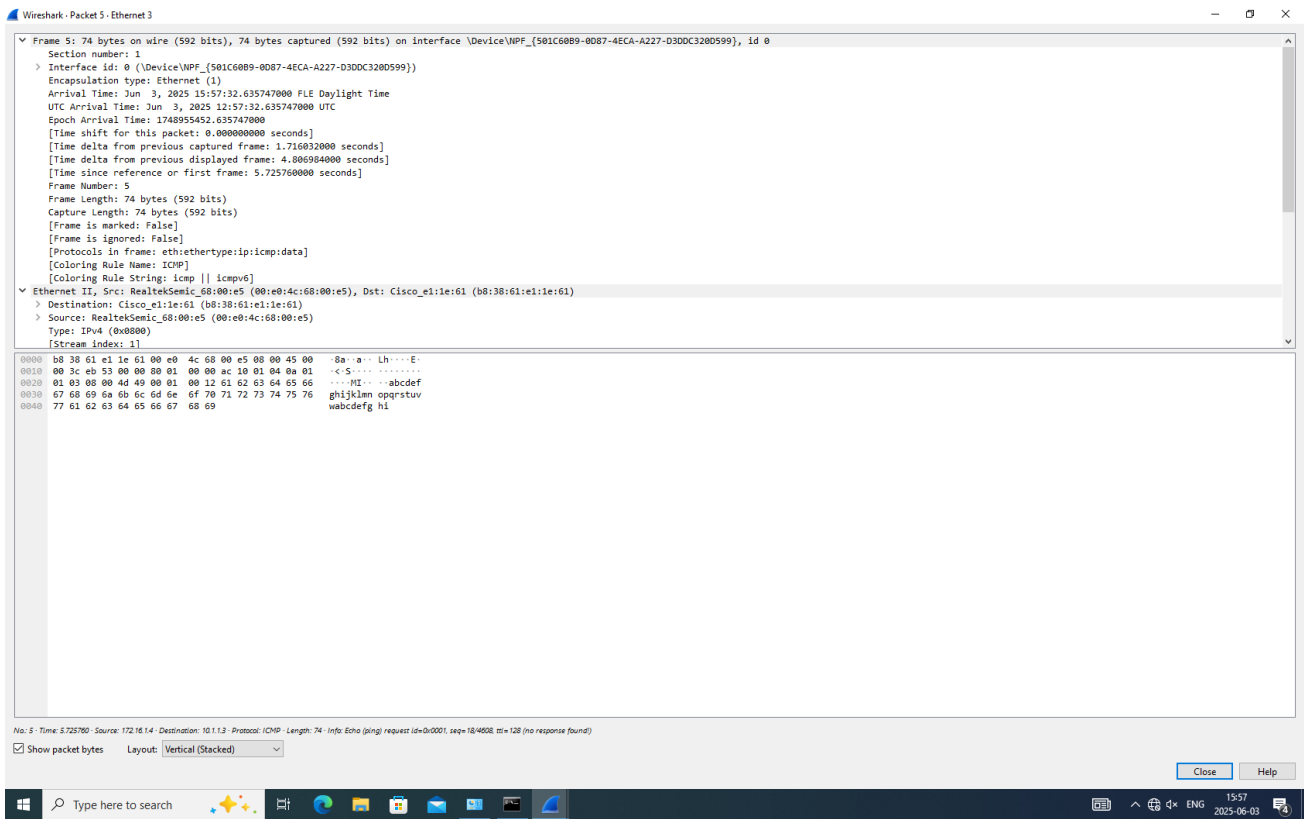
Ping statistics for 172.16.1.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),

C:\Windows\System32>ping 172.16.1.2

Pinging 172.16.1.2 with 32 bytes of data:
Reply from 10.1.1.1: Destination host unreachable.
Reply from 10.1.1.1: Destination host unreachable.
Reply from 10.1.1.1: Destination host unreachable.

Ping statistics for 172.16.1.2:
    Packets: Sent = 3, Received = 3, Lost = 0 (0% loss),
Control-C
^C
C:\Windows\System32>
```

Screenshot (15).png



Screenshot (13).png

