

CCNA 4 Final Exam Answers 2017 (v5.0.3+v6.0)

1. Which technology requires the use of PPPoE to provide PPP connections to customers?

- dialup analog modem
- dialup ISDN modem
- **DSL***
- T1

2. Refer to the exhibit. What is the network administrator verifying when issuing the show ip interface brief command on R1 in respect to the PPPoE connection to R2?

The diagram shows a network topology. On the left, a 'Customer' network contains router R1. R1's interface G0/1 is connected to a DSL modem. The network range 192.168.1.0/24 is shown above the connection. On the right, an 'ISP' network contains router R2. R2's interface S2/0/2 is connected to another DSL modem. The two DSL modems are connected to each other, representing a PPPoE link between the Customer and the ISP.

```
R1# show ip interface brief
Interface                IP-Address      OK? Method Status Protocol
Embedded-Service-Engine0/0 unassigned      YES unset  administratively down down
GigabitEthernet0/0       unassigned      YES unset  administratively down down
GigabitEthernet0/1       unassigned      YES unset  up up
Serial0/0/0              unassigned      YES unset  administratively down down
Serial0/0/1              unassigned      YES unset  administratively down down
Dialer1                  192.168.1.1    YES IPCP  up up
Virtual-Access1          unassigned      YES unset  up up
Virtual-Access2          unassigned      YES unset  up up
R1#
```

- that the Dialer1 interface has been manually assigned an IP address
- that the Dialer1 interface is up and up
- **that the Dialer1 interface has been assigned an IP address by the ISP router***
- that the IP address on R1 G0/1 is in the same network range as the DSL modem

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