

CCNA ICND1 Hotspot - Show Configuration Sim

The **show running-configuration** and the **show startup-configuration** commands have been disabled in this simulation. To access the multiple-choice questions, click on the numbered boxes on the right of the top panel. There are 5 multiple-choice questions with this task. Be sure to answer all 5 questions before leaving this item. This task requires the use of various show commands from the CLI of Router1 to answer 5 multiple-choice questions. This does not require any configuration.

eSim Professional v1.0.1.9



Question 1: What is the subnet broadcast address of the LAN connected to Router1? A - 192.168.136.15 B - 192.168.136.31 C - 192.168.136.63 D - 192.168.136.127 E - 255.255.255.255 Answer: A Explanation: The "show running-configuration" and "show startup-configuration" have been disabled as stated above so we should use the show ip interface command to get information about the LAN network connected to Router1.

```
Router1# show ip interface
FastEthernet0/0 is up, line protocol is up (connected)
Internet address is 192.168.136.1/28
Broadcast address is 255.255.255.255
Address determined by setup command
MTU is 1500 bytes
Helper address is not set
Directed broadcast forwarding is disabled
Outgoing access list is not set
Inbound access list is not set

.....
<output omitted>
```

From the output we learn that the ip address of the FastEthernet interface of Router1 is 192.168.136.1 and the subnet mask is /28. Therefore: Increment: 16 (/28=1111 1111.1111 1111.1111 0000) Network address: 192.168.136.0 Broadcast address: 192.168.136.15 (15 = 0 + 16 - 1) -> The broadcast address of this subnetwork is 192.168.136.15 Question 2: What is the bandwidth on the WAN interface of Router1? A - 16 Kbit/sec B - 32 Kbit/sec C - 64 Kbit/sec D - 128 Kbit/sec E - 512 Kbit/sec F - 1544 Kbit/sec Answer: E Explanation: To find out the bandwidth on the WAN (serial) interface of Router1 we need to use the show interfaces serial 0/0 command:

```
Router1# show interface serial 0/0
Serial0/0 is administratively down, line protocol is down
Hardware is PowerQUICC Serial
Internet address is 10.11.12.13/30
MTU 1500 bytes, BW 512 Kbit, DLY 20000 usec,
reliability 255/255, txload 1/255, txload 1/255
Encapsulation HDLC, loopback not set
Keepalive set (10 sec)
Last input 00:00:05, output 00:00:05, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes); Total out drops: 0
```

