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642-081

Business Ready Teleworker Solution

Fundamentals

DEMO

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QUESTION NO: 1

When should you enable Network Address Translation Transparency (NAT-T) on the Teleworker?

- A. when a router between the Teleworker router and the head-end VPN router is doing NAT/pNAT and does not support IPSec pass-through
- B. when the Teleworker router itself is doing NAT/pNAT
- C. never
- D. always

Answer: A

QUESTION NO: 2

What are the DSL-specific factors that require additional bandwidth when supporting Voice-over-IP over an IPSec VPN? Choose three.

- A. ADSL typically uses PPPoE encapsulation, which adds additional overhead to each voice packet.
- B. A voice packet is sent via multiple fixed-length cells; each cell has about 10% Layer-2 header overhead.
- C. A voice packet is sent via multiple fixed-length cells; a portion of the last cell is padding, requiring more bandwidth.
- D. ADSL carrier band requires additional bits to be carried over the wire to the DSL Access Concentrator.
- E. IPSec requires additional overhead for the header and hash.

Answer: A,B,C

QUESTION NO: 3

What method in a Cisco IOS router can confirm that packets marked for a particular QoS marking are being matched?

- A. Issue a debug qos set command and a terminal monitor command.
- B. Issue a show crypto ipsec session command.
- C. Assuming Netflow is enabled, issue a show ip cache verbose flow command.
- D. Issue a show policy-map interface command.

Answer: D

QUESTION NO: 4

Choose the false statement concerning the use of CiscoWorks Internetwork Performance Monitor (IPM) in a Teleworker deployment.

- A. IPM should not be run on a production network.
- B. The QoS service policy should contain an allocation of sufficient bandwidth in the priority queue (LLQ) for both the SAA probe simulating a voice call and the voice call. If not, voice quality will suffer.
- C. IPM contains a database that can store data on latency, jitter, and drops of voice packets over a period of weeks or months.
- D. IPM helps verify if a Service Provider is meeting the Service Level Agreement.

Answer: A

QUESTION NO: 5

It is considered a best practice to use the Dead Peer Detection (DPD) feature with which VPN topologies?

- A. all of the choices
- B. EZVPN
- C. IPSec with GRE
- D. IPSec
- E. DMVPN

Answer: A

QUESTION NO: 6

Refer to the exhibit. Select the true statement.

```
router#show policy-map int e 0/0
Ethernet0/0
```

Service-policy output: Shaper

```
Class-map: class-default (match-any)
 738380 packets, 226313929 bytes
 30 second offered rate 0 bps, drop rate 0 bps
```

Match: any

Traffic Shaping

Target/Average Rate	Byte Limit	Byte Sustain	Excess	Interval	Increment
	bits/int	bits/int	(ms)	(bytes)	
182400/182400	456	1824	1824	10	228

Adapt Queue	Packets	Bytes	Packets	Bytes	Shaping
Active Depth		Delayed	Delayed	Active	ActualTests
- 0	730821	262958000	276638	157154622	no

- A. This router never delayed any packets.
- B. The interval value should be configured at 150ms since that is target latency budget.
- C. The inside LAN interface is Ethernet 0/0.
- D. This router is provisioned for a 256K DSL link.

Answer: D

QUESTION NO: 7

Refer to the exhibit. Given the interface configuration on a DSL connection with PPPoE, select the true statement.

```
!
interface Ethernet0
description Inside
...
ip tcp adjust-mss 542
!
interface Ethernet1
description Outside
ip address dhcp
ip tcp adjust-mss 542
```

- A. The value of 542 is recommended in several RFCs.
- B. The router is limiting the size of TCP and UDP packets.
- C. There is another upstream router terminating the PPPoE session.
- D. The configuration implements an effective Layer-2 fragmentation technique.

Answer: C