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**Exam : 920-231**

**Title : Contivity VNP Switch**

**Version : Demo**

1.A customer has a Contivity 4600 with public and private interfaces. Remote users can not tunnel into the Contivity from their remote locations. The customer suspects that there may be a problem with a WAN LINK of the Contivity. What parameters can be verified to isolate the fault? (Choose three.)

- A. Ensure that the ATM WAN link is up
- B. Ensure that the HDLC WAN link is up
- C. Verify that the physical connectivity exists
- D. Ensure that the Gigabit Ethernet link is up
- E. Examine the PPP status to ensure it is passing IP packets and fourth

Answer: B, C, E

2.Where would the support engineer go to find the contents of FLASH stored in non-volatile memory?

- A. Status " Report
- B. Status " System
- C. Status " Statistics
- D. Status " Health Check

Answer: C

3.Which log contains detailed information about the encryption level negotiated during the establishment of a user tunnel?

- A. event log
- B. system log
- C. security log
- D. accounting log

Answer: A

```

04/07/2003 13:34:18 0 BranchOffice [01] IPSEC branch office connection
initiated to rem[0.0.0.0-0.0.0.0]@[177.178.1.60] loc[0.0.0.0-0.0.0.0]
04/07/2003 13:34:18 0 Security [11] Session: IPSEC[177.178.1.60]
attempting login
04/07/2003 13:34:18 0 Security [01] Session: IPSEC[177.178.1.60] has no
active sessions
04/07/2003 13:34:18 0 Security [01] Session: IPSEC[177.178.1.60] Syd-Tok
has no active accounts
04/07/2003 13:34:18 0 Security [01] Session: IPSEC[177.178.1.60]-181
SHARED-SECRET authenticate attempt...
04/07/2003 13:34:18 0 Security [01] Session: IPSEC[177.178.1.60]-181
attempting authentication using LOCAL
04/07/2003 13:34:18 0 Security [11] Session: IPSEC[177.178.1.60]-181
authenticated using LOCAL
04/07/2003 13:34:18 0 Security [11] Session: IPSEC[177.178.1.60]-181
bound to group /Base/Syd-Tok
04/07/2003 13:34:18 0 Security [01] Session: IPSEC[177.178.1.60]-181
using group filter permit all
04/07/2003 13:34:18 0 Security [11] Session: IPSEC[177.178.1.60]-181
authorized
04/07/2003 13:34:18 0 Security [11] Session: network
IPSEC[0.0.0.0-0.0.0.0] attempting login
04/07/2003 13:34:18 0 ISAKMP [02] ISAKMP SA established with
177.178.1.60
04/07/2003 13:34:18 0 Outbound ESP from 177.178.1.50 to 177.178.1.60
SPI 0x0007512c [03] ESP encap session SPI 0x2c510700 bound to cpu 0
04/07/2003 13:34:18 0 Inbound ESP from 177.178.1.60 to 177.178.1.50
SPI 0x0019e24a [03] ESP decap session SPI 0x4ae21900 bound to cpu 0
04/07/2003 13:34:19 0 Security [01] Session: IPSEC[-]-182 Using gateway
input filters 57830d8 46736a8 6e93a10
04/07/2003 13:34:19 0 Security [01] Session: IPSEC[-]-182 returning
gateway output filter 512e080
04/07/2003 13:34:19 0 BranchOffice [00] 5ceb5b8
BranchOfficeCtrlCIs: RegisterTunnel: rem[0.0.0.0-0.0.0.0]@[177.178.1.60]
loc[0.0.0.0-0.0.0.0] overwriting tunnel context [ffffff] with [57fe780]
04/07/2003 13:34:19 0 ISAKMP [03] Established IPsec SAs with
177.178.1.60
04/07/2003 13:34:19 0 ISAKMP [03] ESP 56-bit DES-CBC-HMAC-MD5
outbound SPI 0x7512c
04/07/2003 13:34:19 0 ISAKMP [03] IPcomp LZS outbound CPI 0x4fbc
04/07/2003 13:34:19 0 ISAKMP [03] ESP 56-bit DES-CBC-HMAC-MD5
inbound SPI 0x19e24a
04/07/2003 13:34:19 0 ISAKMP [03] IPcomp LZS inbound CPI 0x521c
04/07/2003 13:34:39 0 RTM [10] netWrite RTM_RouteDef: N 20.4.4.0 M
255.255.255.0 NumNH 1 NH 177.178.1.60 CM 0x5cebfb0
04/07/2003 13:34:39 0 RTM [00] writeNewEntry: adding new: 20.4.4.0 to
20.4.4.255

```

#### 4.Exhibit

An administrator is logged into a local Contivity. The Contivity event log shown in the exhibit displays the results of Branch Office tunnel between a Contivity 4600 and a Contivity 1700. What can be said about the Branch Office tunnel? (Choose two.)

- A. The tunnel was initiated from the local switch.
- B. The tunnel was initiated from the remote switch.
- C. The tunnel is a peer-to-peer static routing tunnel.
- D. The tunnel is a peer-to-peer dynamic routing tunnel.
- E. Perfect Forward Secrecy is required on one end of the tunnel but not configured.

Answer: A D

#### 5.Exhibit

```
03/14/2001 13:22:25 0 Security [11] Session: IPSEC[bgroup] attempting login
03/14/2001 13:22:25 0 Security [01] Session: IPSEC[bgroup] has no active sessions
03/14/2001 13:22:25 0 Security [01] Session: IPSEC[bgroup] bongos_for_hire has no active accounts
03/14/2001 13:22:25 0 ISAKMP [02] Oakley Aggressive Mode proposal accepted from 10.0.0.126
03/14/2001 13:22:25 0 Security [11] Session: IPSEC[user]: attempting login
03/14/2001 13:22:25 0 Security [11] Session: IPSEC[user]: logged out group /Base/bongos_for_hire
03/14/2001 13:22:25 0 Security [01] Session: IPSEC[user]:562 PAP authenticate attempt...
03/14/2001 13:22:25 0 Security [01] Session: IPSEC[user]:562 attempting authentication using RADIUS
03/14/2001 13:22:36 0 Security [02] RADIUS: no reply from Radius server "10.0.0.167(1645)"
03/14/2001 13:22:36 0 Security [12] RADIUS: "10.0.0.167" server timed out authenticating "user"
03/14/2001 13:22:36 0 Security [13] Radius: authentication failed - no available Radius servers
03/14/2001 13:22:36 0 Security [13] Session: IPSEC[user]:562 authentication failed using RADIUS
03/14/2001 13:22:36 0 Security [13] Session: IPSEC[user]:562 - authentication failed using all authservers
03/14/2001 13:22:36 0 ISAKMP [13] Authentication failure in message from 10.0.0.126
03/14/2001 13:22:36 0 ISAKMP [02] Deleting ISAKMP SA with 10.0.0.126
```

Given the Contivity event log shown in the exhibit, why can the user NOT bring up the IPsec tunnel?

- A. The Group ID/Password is not valid.
- B. The RADIUS server did not respond.
- C. The client sent a message with a failure
- D. The RADIUS server responded with a rejection.
- E. The Username/Password the user is trying is not valid.

Answer: B



6.A support engineer has been tasked to troubleshoot a customer's Contivity network. The support engineer logs into the Contivity to view information in the routing table and identify UTUNNEL routes. What does the UTUNNEL status information mean?

- A. Access list are enabled
- B. Route Policy Services are enabled
- C. Client Address Redistribution is enabled
- D. The UTUNNEL route is the same as a Static route

Answer: C

7.Exhibit

```
03/14/2001 14:11:35 0 CSFW [12] Rule[OVERRIDE 1] Firewall:
[10.0.0.133:512-192.168.1.12:2048, icmp], action: Drop
03/14/2001 14:11:35 0 CSFW [03] UDP/TCP Hdr. Hex[08 00 42 5c 02 00
01 a8 ef 0a 00 00 85 0 CSFW [03]
03/14/2001 14:11:35 0 CSFW [03] UDP/TCP Hdr. Hex[08 00 42 5c 02 00
09 00 ]
03/14/2001 14:11:38 0 CSFW [12] Rule[DEFAULT 1] Firewall:
[10.0.0.126:1536-192.168.1.20:2048, icmp], action: Allow
```

Given the Contivity event log shown in the exhibit, What can be concluded about the Firewall Policy? (Choose two.)

- A. Logging is configured
- B. Only two rules are in the policy
- C. All rules are in the override group
- D. Specific ICMP packets are dropped
- E. All rules are in the default rule group

Answer: A D

8.A customer wants to check routing status information for their Contivity system. They manage the Contivity using a web browser. What status information can the customer see from the web browser on the routing OSPF status screen? (Choose four.)

- A. The contents of the LSDB
- B. The list of Neighbors on the Contivity
- C. The summary information on the Contivity
- D. The encryption information on the Contivity
- E. The interface information about OSPF on the Contivity
- F. The information regarding filtered routes on the Contivity

Answer: A B C E

9.Exhibit

```
03/13/2001 09:28:11 0 Security [13] Session: IPSEC uid invalid -  
authentication failed  
03/13/2001 09:28:11 0 ISAKMP [13] No proposal chosen in message from  
10.0.0.126  
03/13/2001 09:28:11 0 ISAKMP [021 Deleted ISAKMP SA with 1000126
```

A remote user has reported that they can not login to a Contivity device. Given the Contivity 2700 event log shown in the exhibit, what may have caused this problem to occur?

- A. IPSec is not enabled on the Contivity
- B. There is no active session between the user and the server.
- C. There is an encryption type mis-match between the user and server.
- D. The user name does not exist in any of the enabled authentication methods on the Contivity

Answer: C

Note: the log "No Proposal Chosen" mean 2 questions showing logs, one for a user and 1 for a BOT. Why won't the tunnel come up?

-Encryption mismatch

10.A support engineer has been tasked to install a Contivity 4600 at a customer site. The engineer suspects that the redundant power supply became unseated during shipping. They would like to see a warning message on the Contivity system. Which status screen will show the warning message?

- A. Statistics Screen
- B. Event log Screen
- C. Security Log Screen
- D. Health Check Screen

Answer: D