

Exam Questions NSE7_SDW-7.0

Fortinet NSE 7 - SD-WAN 7.0

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NEW QUESTION 1

Which diagnostic command can you use to show the member utilization statistics measured by performance SLAs for the last 10 minutes?

- A. diagnose sys sdwan intf-sla-log
- B. diagnose sys sdwan health-check
- C. diagnose sys sdwan log
- D. diagnose sys sdwan sla-log

Answer: D

Explanation:

SD-WAN 7.2 Study Guide page 321 You can view the stored member metrics by running the diagnose sys sdwan sla-log command. Note that you must include the name of the performance SLA followed by the member configuration index number. To display the SLA logs per interface, you run the diagnose sys sdwan intf-sla-log command.

NEW QUESTION 2

Refer to the exhibit.

```
# diagnose firewall shaper per-ip-shaper list
name FTP_5M
maximum-bandwidth 625 KB/sec
maximum-concurrent-session 5
tos ff/ff
packets dropped 65
bytes dropped 81040
      addr=10.1.0.1 status: bps=0 ses=1
      addr=10.1.0.100 status: bps=0 ses=1
      addr=10.1.10.1 status: bps=1656 ses=3
```

Which are two expected behaviors of the traffic that matches the traffic shaper? (Choose two.)

- A. The number of simultaneous connections among all source IP addresses cannot exceed five connections.
- B. The traffic shaper limits the combined bandwidth of all connections to a maximum of 5 MB/sec.
- C. The number of simultaneous connections allowed for each source IP address cannot exceed five connections.
- D. The traffic shaper limits the bandwidth of each source IP address to a maximum of 625 KB/sec.

Answer: CD

NEW QUESTION 3

What is the route-tag setting in an SD-WAN rule used for?

- A. To indicate the routes for health check probes.
- B. To indicate the destination of a rule based on learned BGP prefixes.
- C. To indicate the routes that can be used for routing SD-WAN traffic.
- D. To indicate the members that can be used to route SD-WAN traffic.

Answer: B

NEW QUESTION 4

Which two performance SLA protocols enable you to verify that the server response contains a specific value? (Choose two.)

- A. http
- B. icmp
- C. twamp
- D. dns

Answer: AD

Explanation:

Pages 85,86 in Study guide 7.0 Pages 100,101 in Study guide 7

NEW QUESTION 5

Which are three key routing principles in SD-WAN? (Choose three.)

- A. FortiGate performs route lookups for new sessions only.
- B. Regular policy routes have precedence over SD-WAN rules.
- C. SD-WAN rules have precedence over ISDB routes.
- D. By default, SD-WAN members are skipped if they do not have a valid route to the destination.
- E. By default, SD-WAN rules are skipped if the best route to the destination is not an SD-WAN member.

Answer: BDE

NEW QUESTION 6

In the default SD-WAN minimum configuration, which two statements are correct when traffic matches the default implicit SD-WAN rule? (Choose two)

- A. Traffic has matched none of the FortiGate policy routes.
- B. Matched traffic failed RPF and was caught by the rule.
- C. The FIB lookup resolved interface was the SD-WAN interface.
- D. An absolute SD-WAN rule was defined and matched traffic.

Answer: AC

NEW QUESTION 7

Which two statements are correct when traffic matches the implicit SD-WAN rule? (Choose two.)

- A. The sdwan_service_id flag in the session information is 0.
- B. All SD-WAN rules have the default setting enabled.
- C. Traffic does not match any of the entries in the policy route table.
- D. Traffic is load balanced using the algorithm set for the v4-ecmp-mode setting.

Answer: AC

Explanation:

sdwan_service_id is 0 = match SD-WAN implicit rule, study guide 7.0 page 120, 7.2 page 149 SD-WAN rules internally are interpreted as a Policy route, so when the traffic doesn't match with any policy route, it will be flowing by implicit policy.

NEW QUESTION 8

What are two common use cases for remote internet access (RIA)? (Choose two.)

- A. Provide direct internet access on spokes
- B. Provide internet access through the hub
- C. Centralize security inspection on the hub
- D. Provide thorough inspection on spokes

Answer: BC

NEW QUESTION 9

What are two reasons why FortiGate would be unable to complete the zero-touch provisioning process? (Choose two.)

- A. The FortiGate cloud key has not been added to the FortiGate cloud portal.
- B. FortiDeploy has connected with FortiGate and provided the initial configuration to contact FortiManager
- C. The zero-touch provisioning process has completed internally, behind FortiGate.
- D. FortiGate has obtained a configuration from the platform template in FortiGate cloud.
- E. A factory reset performed on FortiGate.

Answer: AC

NEW QUESTION 10

Which diagnostic command can you use to show the configured SD-WAN zones and their assigned members?

- A. diagnose sys sdwan zone
- B. diagnose sys sdwan service
- C. diagnose sys sdwan member
- D. diagnose sys sdwan interface

Answer: A

NEW QUESTION 10

Refer to the exhibits. Exhibit A

```
config system sdwan
  config health-check
    edit "Passive"
      set detect-mode passive
      set members 3 4
    next
  end
end

config system sdwan
  config service
    edit 1
      set name "Facebook-YouTube"
      set src "all"
      set internet-service enable
      set internet-service-app-ctrl 15832 31077
      set health-check "Passive"
      set priority-member 3 4
      set passive-measurement enable
    next
  end
end

branch1_fgt # get application name status | grep "id: 15832" -B1
app-name: "Facebook"
id: 15832

branch1_fgt # get application name status | grep "id: 31077" -B1
app-name: "YouTube"
id: 31077
```

Exhibit B

```
config firewall policy
  edit 1
    set name "DIA"
    set uuid b973e4ec-5f90-51ec-cadb-017c830d9418
    set srcintf "port5"
    set dstintf "underlay"
    set action accept
    set srcaddr "LAN-net"
    set dstaddr "all"
    set schedule "always"
    set service "ALL"
    set passive-wan-health-measurement enable
    set utm-status enable
    set ssl-ssh-profile "certificate-inspection"
    set application-list "default"
    set logtraffic all
    set auto-asic-offload disable
    set nat enable
  next
end

branch1_fgt # diagnose sys sdwan zone | grep underlay -A1
Zone underlay index=3
  members(2): 3(port1) 4(port2)
```

Exhibit A shows the SD-WAN performance SLA configuration, the SD-WAN rule configuration, and the application IDs of Facebook and YouTube. Exhibit B shows the firewall policy configuration and the underlay zone status.

Based on the exhibits, which two statements are correct about the health and performance of port1 and port2? (Choose two.)

- A. The performance is an average of the metrics measured for Facebook and YouTube traffic passing through the member.
- B. FortiGate is unable to measure jitter and packet loss on Facebook and YouTube traffic.
- C. FortiGate identifies the member as dead when there is no Facebook and YouTube traffic passing through the member.
- D. Non-TCP Facebook and YouTube traffic are not used for performance measurement.

Answer: AD

Explanation:

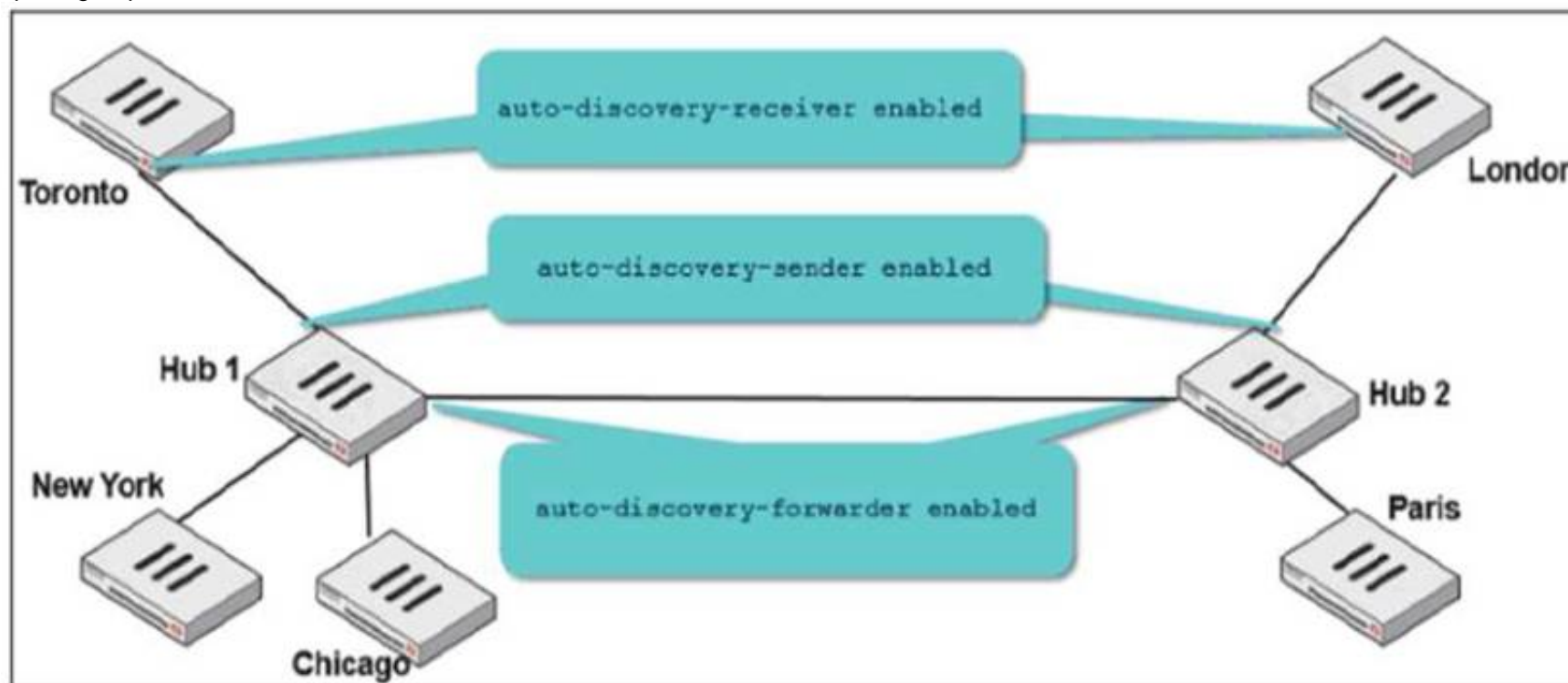
Study Guide 7.0, pages 88 - 89.

Study Guide 7.2, pages 103 - 104.

Another comment said "because without using application Control on the firewall policy, SDWAN can't work" but there is a app control "default" defined on config.

NEW QUESTION 11

Two hub-and-spoke groups are connected through a site-to-site IPsec VPN between Hub 1 and Hub 2. The administrator configured ADVPN on both hub-and-spoke groups.



Which two outcomes are expected if a user in Toronto sends traffic to London? (Choose two.)

- A. London generates an IKE information message that contains the Toronto public IP address.
- B. Traffic from Toronto to London triggers the dynamic negotiation of a direct site-to-site VPN.
- C. Toronto needs to establish a site-to-site tunnel with Hub 2 to bypass Hub 1.
- D. The first packets from Toronto to London are routed through Hub 1 then to Hub 2.

Answer: BD

NEW QUESTION 15

Which two tasks are part of using central VPN management? (Choose two.)

- A. You can configure full mesh, star, and dial-up VPN topologies.
- B. You must enable VPN zones for SD-WAN deployments.
- C. FortiManager installs VPN settings on both managed and external gateways.
- D. You configure VPN communities to define common IPsec settings shared by all VPN gateways.

Answer: AD

NEW QUESTION 18

Which SD-WAN setting enables FortiGate to delay the recovery of ADVPN shortcuts?

- A. hold-down-time
- B. link-down-failover
- C. auto-discovery-shortcuts
- D. idle-timeout

Answer: A

NEW QUESTION 21

Which three matching traffic criteria are available in SD-WAN rules? (Choose three.)

- A. Type of physical link connection
- B. Internet service database (ISDB) address object
- C. Source and destination IP address
- D. URL categories
- E. Application signatures

Answer: BCE

NEW QUESTION 22

Refer to the exhibit.

```
branch1_fgt # diagnose sys sdwan service 1

Service(3): Address Mode(IPV4) flags=0x200 use-shortcut-sla
Gen(6), TOS(0x0/0x0), Protocol(0: 1->65535), Mode(manual)
Members(2):
  1: Seq_num(3 T_INET_0_0), alive, selected
  2: Seq_num(4 T_INET_1_0), alive, selected
Src address(1):
  10.0.1.0-10.0.1.255

Dst address(1):
  10.0.0.0-10.255.255.255

branch1_fgt # diagnose sys sdwan member | grep T_INET_
Member(3): interface: T_INET_0_0, flags=0x4 , gateway: 100.64.1.1, priority: 10 1024,
weight: 0
Member(4): interface: T_INET_1_0, flags=0x4 , gateway: 100.64.1.9, priority: 0 1024,
weight: 0

branch1_fgt # get router info routing-table all | grep T_INET_
S      10.0.0.0/8 [1/0] via T_INET_1_0 tunnel 100.64.1.9
```

An administrator is troubleshooting SD-WAN on FortiGate. A device behind branch1_fgt generates traffic to the 10.0.0.0/8 network. The administrator expects the traffic to match SD-WAN rule ID 1 and be routed over T_INET_0_0. However, the traffic is routed over T_INET_1_0. Based on the output shown in the exhibit, which two reasons can cause the observed behavior? (Choose two.)

- A. The traffic matches a regular policy route configured with T_INET_1_0 as the outgoing device.
- B. T_INET_1_0 has a lower route priority value (higher priority) than T_INET_0_0.
- C. T_INET_0_0 does not have a valid route to the destination.
- D. T_INET_1_0 has a higher member configuration priority than T_INET_0_0.

Answer: AC

Explanation:

<https://community.fortinet.com/t5/FortiGate/Technical-Tip-Assigning-Priority-to-SD-WAN-Members-for-Defau>

NEW QUESTION 26

Exhibit.

```
id=20010 trace_id=1402 func=print_pkt_detail line=5588 msg="vd-root:0 received a
packet(proto=6, 10.1.10.1:52490->42.44.50.10:443) from port3. flag [.] , seq 1213725680,
ack 1169005655, win 65535"
id=20010 trace_id=1402 func=resolve_ip_tuple_fast line=5669 msg="Find an existing
session, id=00001ca4, original direction"
id=20010 trace_id=1402 func=fw_forward_dirty_handler line=447 msg="Denied by quota
check"
```

Which conclusion about the packet debug flow output is correct?

- A. The total number of daily sessions for 10.1.10.1 exceeded the maximum number of concurrent sessions configured in the traffic shaper, and the packet was dropped.
- B. The packet size exceeded the outgoing interface MTU.
- C. The number of concurrent sessions for 10.1.10.1 exceeded the maximum number of concurrent sessions configured in the traffic shaper, and the packet was dropped.
- D. The number of concurrent sessions for 10.1.10.1 exceeded the maximum number of concurrent sessions configured in the firewall policy, and the packet was dropped.

Answer: C

Explanation:

In a Per-IP shaper configuration, if an IP address exceeds the configured concurrent session limit, the message "Denied by quota check" appears. SD-WAN 7.0 Study Guide page 287

NEW QUESTION 29

Which statement about using BGP for ADVPN is true?

- A. IBGP is preferred over EBGP, because IBGP preserves next hop information.
- B. You must use BGP to route traffic for both overlay and underlay links.
- C. You must configure BGP communities.
- D. You must configure AS path prepending.

Answer: A

NEW QUESTION 34

Which two statements are true about using SD-WAN to steer local-out traffic? (Choose two.)

- A. FortiGate does not consider the source address of the packet when matching an SD-WAN rule for local-out traffic.
- B. By default, local-out traffic does not use SD-WAN.
- C. By default, FortiGate does not check if the selected member has a valid route to the destination.
- D. You must configure each local-out feature individually, to use SD-WAN.

Answer: BD

NEW QUESTION 38

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