

NSE6_FWF-6.4 Dumps

Fortinet NSE 6 - Secure Wireless LAN 6.4

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NEW QUESTION 1

Which statement is correct about security profiles on FortiAP devices?

- A. Security profiles on FortiAP devices can use FortiGate subscription to inspect the traffic
- B. Only bridge mode SSIDs can apply the security profiles
- C. Disable DTLS on FortiAP
- D. FortiGate performs inspection the wireless traffic

Answer: B

NEW QUESTION 2

Part of the location service registration process is to link FortiAPs in FortiPresence.

Which two management services can configure the discovered AP registration information from the FortiPresence cloud? (Choose two.)

- A. AP Manager
- B. FortiAP Cloud
- C. FortiSwitch
- D. FortiGate

Answer: BD

Explanation:

FortiGate, FortiCloud wireless access points (send visitor data in the form of station reports directly to FortiPresence)

NEW QUESTION 3

Refer to the exhibits.

Exhibit A

```
53836.574 xx:xx:xx:xx:xx:xx <ih> IEEE 802.11 mgmt::assoc_req <==
xx:xx:xx:xx:xx:xx ws (0-192.168.5.98:5246) vap Wireless rId 1 wId2
yy:yy:yy:yy:yy:yy

53836.574 xx:xx:xx:xx:xx:xx <ih> xx:xx:xx:xx:xx:xx sta =
0x6311c88, sta->flags = 0x00000001, auth_alg = 0, hapd->splitMac: 1

53836.575 xx:xx:xx:xx:xx:xx <ih> IEEE 802.11 mgmt::assoc_resp <==
xx:xx:xx:xx:xx:xx ws (0-192.168.5.98:5246) vap Wireless rId 1 wId2
yy:yy:yy:yy:yy:yy

53836.575 xx:xx:xx:xx:xx:xx <ih> IEEE 802.11 mgmt::assoc_resp <==
xx:xx:xx:xx:xx:xx ws (0-192.168.5.98:5246) vap Wireless rId 1 wId2
yy:yy:yy:yy:yy:yy

53836.575 xx:xx:xx:xx:xx:xx <dc> STA add xx:xx:xx:xx:xx:xx vap
Wireless ws (0-192.168.5.98:5246) rId 1 wId2 bssid
yy:yy:yy:yy:yy:yy NON-AUTH band 0x10 mimo 2*2

53836.575 xx:xx:xx:xx:xx:xx <cc> STA_CFG_REQ(10) sta
xx:xx:xx:xx:xx:xx add ==> ws (0-192.168.5.98:5246) rId 1 wId 2

53836.576 xx:xx:xx:xx:xx:xx <cc> STA add xx:xx:xx:xx:xx:xx vap
Wireless ws (0-192.168.5.98:5246) rId 1 wId 2 yy:yy:yy:yy:yy:yy sec
WPA2 PERSONAL auth 0

53836.576 xx:xx:xx:xx:xx:xx cwAcStaRbtAdd: I2C_STA_ADD insert sta
xx:xx:xx:xx:xx:xx 192.168.5.98/1/2/1

53836.577 xx:xx:xx:xx:xx:xx <cc> STA_CFG_RESP(10) sta xx:xx:xx:xx:xx:xx
<== ws (0-192.168.5.98:5246) rc 0 (Success)

64318.579 xx:xx:xx:xx:xx:xx <eh> RADIUS message (type=0) ==> RADIUS
Server code=1 (Access-Request) id=9 len=214

64318.579 xx:xx:xx:xx:xx:xx <eh> send 1/4 msg of 4-Way
Handshake

64318.580 xx:xx:xx:xx:xx:xx <eh> send IEEE 802.1X ver=2 type=3
(EAPOL_KEY) data len=95 replay cnt 1

64813.580 xx:xx:xx:xx:xx:xx <eh> IEEE 802.1X (EAPOL99B) ==>
xx:xx:xx:xx:xx:xx ws (0-192.168.5.98:5246) rId 1 wId 2
yy:yy:yy:yy:yy:yy

64318.582 xx:xx:xx:xx:xx:xx <eh> RADIUS message (type=0) <== RADIUS
Server code=2 (Access-Accept) id=9 len=114

53836.582 xx:xx:xx:xx:xx:xx <dc> STA chg xx:xx:xx:xx:xx:xx vap
Wireless ws (0-192.168.5.98:5246) rId 1 wId 2 bssid
yy:yy:yy:yy:yy:yy Auth:allow
```

Exhibit B

```
64813.583 xx:xx:xx:xx:xx:xx <eh> IEEE 802.1X (EAPOL 121B) <==
xx:xx:xx:xx:xx:xx ws (0-192.168.5.98:5246) rId 1 wId2
yy:yy:yy:yy:yy:yy

64813.583 xx:xx:xx:xx:xx:xx <eh>      recv IEEE 802.1X ver=1 type=3
(EAPOL_KEY) data len=117

64813.583 xx:xx:xx:xx:xx:xx <eh>      recv EAPOL-Key 2/4 Pairwise
replay cnt 1

64813.583 xx:xx:xx:xx:xx:xx <eh>      send 3/4 msg of 4-Way
Handshake

64813.584 xx:xx:xx:xx:xx:xx <eh>      send IEEE 802.1X ver=2 type=3
(EAPOL_KEY) data len=151 replay cnt 2

64813.584 xx:xx:xx:xx:xx:xx <eh> IEEE 802.1X (EAPOL 155B) ==>
xx:xx:xx:xx:xx:xx ws (0-192.168.5.98:5246) rId 1 wId2
yy:yy:yy:yy:yy:yy

64813.586 xx:xx:xx:xx:xx:xx <eh> IEEE 802.1X (EAPOL 99B) <==
xx:xx:xx:xx:xx:xx ws (0-192.168.5.98:5246) rId 1 wId2
yy:yy:yy:yy:yy:yy

64813.586 xx:xx:xx:xx:xx:xx <eh>      recv IEEE 802.1X ver=1 type=3
(EAPOL_KEY) data len=35

64813.586 xx:xx:xx:xx:xx:xx <eh>      recv EAPOL-Key 4/4 Pairwise
replay cnt 2

53836.587 xx:xx:xx:xx:xx:xx <dc> STA chg xx:xx:xx:xx:xx:xx vap
Wireless ws (0-192.168.5.98:5246) rId 1 wId2 bssid
yy:yy:yy:yy:yy:yy AUTH

53836.587 xx:xx:xx:xx:xx:xx <cc> STA chg xx:xx:xx:xx:xx:xx vap
Wireless ws (0-192.168.5.98:5246) rId 1 wId2 yy:yy:yy:yy:yy:yy sec
WPA2 PERSONAL auth 1 *****

53836.587 xx:xx:xx:xx:xx:xx <cc> STA_CFG_REQ(12) sta
xx:xx:xx:xx:xx:xx add key (len=16) ==> ws (0-192.168.5.98:5246) rId
1 wId2

53836.589 xx:xx:xx:xx:xx:xx <cc> STA_CFG_REQ(12) xx:xx:xx:xx:xx:xx
<== ws (0-192.168.5.98:5246) rc 0 (Success)

53837.140 xx:xx:xx:xx:xx:xx <dc> DHCP Request server 0.0.0.0 <==
host DESKTOP-CVKGHH mac xx:xx:xx:xx:xx:xx ip 192.168.30.2 xId
88548005

53837.142 xx:xx:xx:xx:xx:xx <dc> DHCP Ack server 192.168.30.1 ==>
host mac xx:xx:xx:xx:xx:xx ip 192.168.30.2 mask 255.255.255.0 gw
192.168.30.1 xId 88548005
```

The exhibits show the diagnose debug log of a station connection taken on the controller CLI. Which security mode is used by the wireless connection?

- A. WPA2 Enterprise
- B. WPA3 Enterprise
- C. WPA2 Personal and radius MAC filtering
- D. Open, with radius MAC filtering

Answer: C

NEW QUESTION 4

Which two configurations are compatible for Wireless Single Sign-On (WSSO)? (Choose two.)

- A. A VAP configured for captive portal authentication
- B. A VAP configured for WPA2 or 3 Enterprise
- C. A VAP configured to authenticate locally on FortiGate

D. A VAP configured to authenticate using a radius server

Answer: BD

Explanation:

In the SSID choose WPA2-Enterprise authentication.

WSSO is RADIUS-based authentication that passes the user's user group memberships to the FortiGate.

NEW QUESTION 5

Which of the following is a requirement to generate analytic reports using on-site FortiPresence deployment?

- A. SQL services must be running
- B. Two wireless APs must be sending data
- C. DTLS encryption on wireless traffic must be turned off
- D. Wireless network security must be set to open

Answer: A

NEW QUESTION 6

What type of design model does FortiPlanner use in wireless design project?

- A. Architectural model
- B. Predictive model
- C. Analytical model
- D. Integration model

Answer: B

NEW QUESTION 7

Where in the controller interface can you find a wireless client's upstream and downstream link rates?

- A. On the AP CLI, using the cw_diag ksta command
- B. On the controller CLI, using the diag wireless-controller wlac -d sta command
- C. On the AP CLI, using the cw_diag -d sta command
- D. On the controller CLI, using the WiFi Client monitor

Answer: A

NEW QUESTION 8

Refer to the exhibit.

Radio 2

Mode

Disabled

Access Point

Dedicated Monitor

WIDS profile

☒

default-wids-apscan-enabled ▼

Radio resource provision

☐

Band

5 GHz

802.11ac/n/a ▼

Channel width

20MHz

40MHz

80MHz

Short guard interval

☐

Channels

☒

 36

☒

 40

☒

 44

☒

 48

☒

 52*

☒

 56*

☒

 60*

☒

 64*

☒

 100*

☒

 104*

☒

 108*

☒

 112*

☒

 116*

☒

 120*

☒

 124*

☒

 128*

☒

 132*

☒

 136*

☒

 140*

☒

 144*

☒

 149

☒

 153

☒

 157

☒

 161

☒

 165

TX power control

Auto

Manual

TX power

10

—

17

dBm

SSIDs ⓘ

((·)) Tunnel

Bridge

Manual

Monitor channel utilization

☐

What does the asterisk (*) symbol beside the channel mean?

- A. Indicates channels that can be used only when Radio Resource Provisioning is enabled
- B. Indicates channels that cannot be used because of regulatory channel restrictions
- C. Indicates channels that will be scanned by the Wireless Intrusion Detection System (WIDS)
- D. Indicates channels that are subject to dynamic frequency selection (DFS) regulations

Answer: D

NEW QUESTION 9

Which two statements about distributed automatic radio resource provisioning (DARRP) are correct? (Choose two.)

- A. DARRP performs continuous spectrum analysis to detect sources of interferenc
- B. It uses this information to allow the AP to select the optimum channel.
- C. DARRP performs measurements of the number of BSSIDs and their signal strength (RSSI). The controller then uses this information to select the optimum channel for the AP.
- D. DARRP measurements can be scheduled to occur at specific times.
- E. DARRP requires that wireless intrusion detection (WIDS) be enabled to detect neighboring devices.

Answer: BC

Explanation:

According to Fortinet training: "When using DARRP, the AP selects the best channel available to use based on the scan results of BSSID/receive signal strength (RSSI) to AC" and "To set the running time for DARRP optimization, use the following CLI command within the wireless controller setting: set darrp-optimize {integer}. Note that DARRP doesn't do continuous spectrum analysis..."

NEW QUESTION 10

Which two phases are part of the process to plan a wireless design project? (Choose two.)

- A. Project information phase
- B. Hardware selection phase
- C. Site survey phase
- D. Installation phase

Answer: AC

NEW QUESTION 10

As standard best practice, which configuration should be performed before configuring FortiAPs using a FortiGate wireless controller?

- A. Create wireless LAN specific policies
- B. Preauthorize APs
- C. Create a custom AP profile
- D. Set the wireless controller country setting

Answer: D

NEW QUESTION 13

Refer to the exhibits.

Exhibit A

```
config wireless-controller wtp
  edit "FPXXXXXXXXXXXXXXX"
    set admin enable
    set name "Authors AP1"
    set wtp-profile "Authors"
    config radio-1
    end
    config radio-2
    end
  next
  edit "FPXXXXXXXXXXXXYYY"
    set admin enable
    set name " Authors AP2"
    set wtp-profile "Authors"
    config radio-1
    end
    config radio-2
    end
  next
  edit "FPXXXXXXXXXXXXZZZ"
    set admin enable
    set name " Authors AP3"
    set wtp-profile "Authors"
    config radio-1
    end
    config radio-2
    end
  next
end
```

Exhibit B

```
sh wireless-controller wtp-profile Authors
config wireless-controller wtp-profile
  edit "Authors"
    set comment "APs allocated to authors"
    set handoff-sta-tresh 30
    config radio-1
      set band 802.11n-5G
      set channel-bonding 40MHz
      set auto-power-level enable
      set auto-power-high 12
      set auto-power-low 1
      set vap-all tunnel
      set channel "36" "40" "44" "48" "52" "56"
      "60" "64" "100" "104" "108" "112" "116" "120" "124"
      "128" "132" "136"
    end
    config radio-2
      set band 802.11n, g-only
      set auto-power-level enable
      set auto-power-high 12
      set auto-power-low 1
      set vap-all tunnel
      set channel "1" "6" "11"
    end
  next
end
config wireless-controller vap
  edit "Authors"
    set ssid "Authors"
    set security wpa2-only-enterprise
    set radius-mac-auth enable
    set radius-mac-auth-server "Main AD"
    set local-bridging enable
    set intra-vap-privacy enable
    set schedule "always"
  next
end
```

A wireless network has been created to support a group of users in a specific area of a building. The wireless network is configured but users are unable to connect to it. The exhibits show the relevant controller configuration for the APs and the wireless network. Which two configuration changes will resolve the issue? (Choose two.)

- A. For both interfaces in the wtp-profile, configure set vaps to be "Authors"
- B. Disable intra-vap-privacy for the Authors vap-wireless network
- C. For both interfaces in the wtp-profile, configure vap-all to be manual
- D. Increase the transmission power of the AP radio interfaces

Answer: AC

NEW QUESTION 16

You are investigating a wireless performance issue and you are trying to audit the neighboring APs in the PF environment. You review the Rogue APs widget on the GUI but it is empty, despite the known presence of other APs. Which configuration change will allow neighboring APs to be successfully detected?

- A. Enable Locate WiFi clients when not connected in the relevant AP profiles.
- B. Enable Monitor channel utilization on the relevant AP profiles.
- C. Ensure that all allowed channels are enabled for the AP radios.
- D. Enable Radio resource provisioning on the relevant AP profiles.

Answer: D

Explanation:

The ARRP (Automatic Radio Resource Provisioning) profile improves upon DARRP (Distributed Automatic Radio Resource Provisioning) by allowing more factors to be considered to optimize channel selection among FortiAPs. DARRP uses the neighbor APs channels and signal strength collected from the background scan for channel selection.

NEW QUESTION 21

How are wireless clients assigned to a dynamic VLAN configured for hash mode?

- A. Using the current number of wireless clients connected to the SSID and the number of IPs available in the least busy VLAN
- B. Using the current number of wireless clients connected to the SSID and the number of clients allocated to each of the VLANs
- C. Using the current number of wireless clients connected to the SSID and the number of VLANs available in the pool
- D. Using the current number of wireless clients connected to the SSID and the group the FortiAP is a member of

Answer: C

Explanation:

VLAN from the VLAN pool based on a hash of the current number of SSID clients and the number of entries in the VLAN pool.

NEW QUESTION 22

Which two roles does FortiPresence analytics assist in generating presence reports? (Choose two.)

- A. Gathering details about on site visitors
- B. Predicting the number of guest users visiting on-site
- C. Comparing current data with historical records
- D. Reporting potential threats by guests on site

Answer: AC

NEW QUESTION 23

.....

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