NSE6_FWF-6.4 Q&As

Fortinet NSE 6 - Secure Wireless LAN 6.4

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QUESTION 1

Which two statements about background rogue scanning are correct? (Choose two.)

A. A dedicated radio configured for background scanning can support the connection of wireless clients

B. When detecting rogue APs, a dedicated radio configured for background scanning can suppress the rogue AP

C. Background rogue scanning requires DARRP to be enabled on the AP instance

D. A dedicated radio configured for background scanning can detect rogue devices on all other channels in its configured frequency band.

Correct Answer: AB

To enable rogue AP scanning

Reference: https://fortinetweb.s3.amazonaws.com/docs.fortinet.com/v2/attachments/723e20ad-509811e9-94bf-00505692583a/FortiWiFi_and_FortiAP-6.2.0-Configuration_Guide.pdf

QUESTION 2

Which administrative access method must be enabled on a FortiGate interface to allow APs to connect and function?

A. Security Fabric

B. SSH

C. HTTPS

D. FortiTelemetry

Correct Answer: A

Reference: https://docs.fortinet.com/document/fortigate/6.2.9/cookbook/788897/configuring-the-rootfortigate-and-downstream-fortigates

QUESTION 3

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.

Correct Answer: D

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.

Reference: https://docs.fortinet.com/document/fortigate/6.4.0/new-features/228374/add-arrp-profile-forwireless-controller-6-4-2

QUESTION 4

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

Correct Answer: B

QUESTION 5

When enabling security fabric on the FortiGate interface to manage FortiAPs, which two types of communication channels are established between FortiGate and FortiAPs? (Choose two.)

A. Control channels

B. Security channels

C. FortLink channels

D. Data channels

Correct Answer: AD

The control channel for managing traffic, which is always encrypted by DTLS. l The data channel for carrying client data packets.

Reference: https://fortinetweb.s3.amazonaws.com/docs.fortinet.com/v2/attachments/ac61f4d3-ce67-11e98977-00505692583a/FortiWiFi_and_FortiAP-6.2-Cookbook.pdf

QUESTION 6

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

Correct Answer: BD

In the SSID choose WPA2-Enterprise authentication.

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

Reference: https://fortinetweb.s3.amazonaws.com/docs.fortinet.com/v2/attachments/b92a67f9-73a6-11ea9384-00505692583a/FortiWiFi_and_FortiAP-6.4.2-Configuration_Guide.pdf

QUESTION 7

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

Correct Answer: AB

QUESTION 8

What is the first discovery method used by FortiAP to locate the FortiGate wireless controller in the default configuration?

A. DHCP

B. Static

C. Broadcast

D. Multicast

Correct Answer: A

QUESTION 9

Which factor is the best indicator of wireless client connection quality?

A. Downstream link rate, the connection rate for the AP to the client

B. The receive signal strength (RSS) of the client at the AP

C. Upstream link rate, the connection rate for the client to the AP

D. The channel utilization of the channel the client is using

Correct Answer: B

SSI, or “Received Signal Strength Indicator,” is a measurement of how well your device can hear a signal from an access point or router. It\\'s a value that is useful for determining if you have enough signal to get a good wireless connection.

Reference: https://www.metageek.com/training/resources/understanding-rssi.html

QUESTION 10

As a network administrator, you are responsible for managing an enterprise secure wireless LAN. The controller is based in the United States, and you have been asked to deploy a number of managed APs in a remote office in Germany.

What is the correct way to ensure that the RF channels and transmission power limits are appropriately configured for the remote APs?

A. Configure the APs individually by overriding the settings in Managed FortiAPs

B. Configure the controller for the correct country code for Germany

C. Clone a suitable FortiAP profile and change the county code settings on the profile

D. Create a new FortiAP profile and change the county code settings on the profile

Correct Answer: C

Reference: https://fortinetweb.s3.amazonaws.com/docs.fortinet.com/v2/attachments/69a8fa9c-1eaa-11e9b6f6-f8bc1258b856/fortigate-fortiwifi-and-fortiap-configuration-guide-54.pdf

QUESTION 11

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

Correct Answer: B

FortiPresence VM is deployed locally on your site and consists of two virtual machines. All the analytics data collected

and computed resides locally on the VMs.

Reference: https://fortinetweb.s3.amazonaws.com/docs.fortinet.com/v2/attachments/30bd9962-44e811eb-b9ad-00505692583a/FortiPresence_VM-1.0.0-Administration_Guide.pdf

QUESTION 12

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

A. DARRP performs continuous spectrum analysis to detect sources of interference. It uses this information to allow the AP to select the optimum channel.

B. 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.

C. DARRP measurements can be scheduled to occur at specific times.

D. DARRP requires that wireless intrusion detection (WIDS) be enabled to detect neighboring devices.

Correct Answer: AD

DARRP (Distributed Automatic Radio Resource Provisioning) technology ensures the wireless infrastructure is always optimized to deliver maximum performance. Fortinet APs enabled with this advanced feature continuously monitor the RF environment for interference, noise and signals from neighboring APs, enabling the FortiGate WLAN Controller to determine the optimal RF power levels for each AP on the network. When a new AP is provisioned, DARRP also ensures that it chooses the optimal channel, without administrator intervention.

Reference: http://www.corex.at/Produktinfos/FortiOS_Wireless.pdf