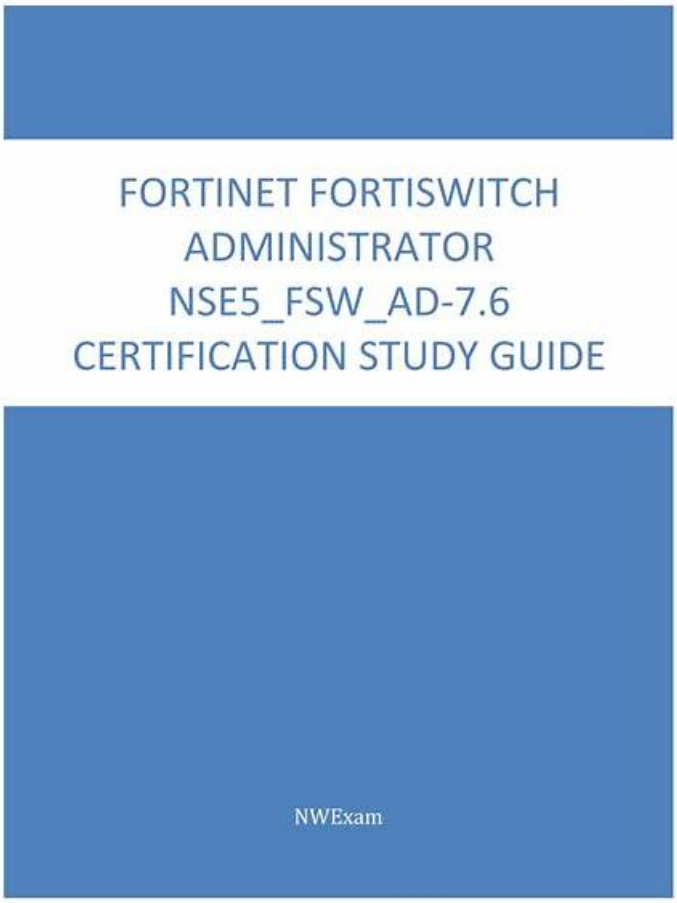
最新NSE5_FSW_AD-7.6考證，NSE5_FSW_AD-7.6考古題介紹



P.S. KaoGuTi在Google Drive上分享了免費的、最新的NSE5_FSW_AD-7.6考試題庫：https://drive.google.com/open?id=1wopiX4CwFpNLeZROgkzJU29Ysc76wTRw

KaoGuTi 的 NSE5_FSW_AD-7.6 擬真試題覆蓋了真實的 Fortinet 考試指南，並根據其編定適合全球考生都能通用的題庫，讓每一位考生都能順利通過考試。IT人員想要在業內有所成就，選對IT認證是關鍵，雖然獲取認證需要投入額外的時間與金錢，但事實證明IT認證的投入產出是值得的，對於未來的職業發展非常有利。據業內人士介紹，NSE5_FSW_AD-7.6 公司推出的 Fortinet 考題發生了變化，請各位 Fortinet 的 NSE5_FSW_AD-7.6 考生注意一下，不過也不必太著急。

Fortinet NSE5_FSW_AD-7.6 考試大綱：

主題	簡介
主題 1	• Layer 2 control and security: This section focuses on Layer 2 security features such as port security, filtering, antispoofing, ACLs, security profiles, and VLAN security mechanisms to protect switched networks.
主題 2	• FortiSwitch concepts: This domain covers core FortiSwitch features including VLAN configuration, QoS, LLDP-MED, stacking, switching and routing, STP for loop prevention, and port and transceiver configuration. It focuses on essential switching operations and network integration.

主題 3	• Deployment and management: This domain includes provisioning and deploying FortiSwitch in supported topologies, including multi-tenancy environments. It emphasizes proper setup, scalability, and centralized management.
主題 4	• Monitoring and troubleshooting: This domain covers packet capture methods, FortiLink troubleshooting, and diagnostic tools used to monitor traffic and resolve network issues.

NSE5_FSW_AD-7.6考古題介紹 & NSE5_FSW_AD-7.6考試大綱

敢於追求，才是精彩的人生，如果有一天你坐在搖晃的椅子上，回憶起自己的往事，會發出會心的一笑，那麼你的人生是成功的。 你想要成功的人生嗎？那就趕緊使用KaoGuTi Fortinet的NSE5_FSW_AD-7.6考試培訓資料吧，它包括了試題及答案，對每位IT認證的考生都非常使用，它的成功率高達100%，心動不如行動，趕緊購買吧。

最新的 Fortinet Network Security Expert NSE5_FSW_AD-7.6 免費考試真題 (Q15-Q20):

問題 #15
Refer to the exhibit.
You configured Switched Port Analyzer (SPAN) to monitor traffic from a source port on FortiSwitch 1, but the monitoring device is connected to FortiSwitch 2. After port mirroring configuration on FortiSwitch 1, the monitoring device is not receiving any mirrored traffic.
What is the most likely reason the mirrored traffic is not reaching the monitoring device? (Choose one answer)

- A. The SPAN session must be restarted after configuration.
- B. SPAN traffic must be filtered with an access control list (ACL).
- C. The monitoring device must use a management IP in the same subnet.
- D. SPAN does not support forwarding mirrored traffic across multiple switches.

答案：D

解題說明：
Comprehensive and Detailed Explanation From Exact Extract of knowledge of FortiAnalyzer 7.6 Study guide documents:
* Standard SPAN Limitation: Switched Port Analyzer (SPAN) is a local port mirroring technology. By design, SPAN copies traffic from one or more source ports (or VLANs) to a destination port on the same physical switch.
* Traffic Forwarding: Standard SPAN traffic is not encapsulated and does not have the necessary headers to be routed or switched across a network fabric or trunk links between multiple switches.
Therefore, if the source port is on FortiSwitch 1 and the monitoring device is on FortiSwitch 2, the mirrored frames will not reach the destination.
* Alternative Solutions: To monitor traffic across multiple switches (multi-hop), technologies such as Remote SPAN (RSPAN)orEncapsulated Remote SPAN (ERSPAN)must be used. RSPAN uses a specific VLAN to carry the mirrored traffic across switches, while ERSPAN encapsulates the traffic in GRE packets so it can be routed across Layer 3 boundaries.
* Troubleshooting Conclusion: Since the scenario describes a standard SPAN configuration and the traffic is failing to traverse from FortiSwitch 1 to FortiSwitch 2, the most likely reason is that basic SPAN does not support forwarding mirrored traffic across multiple switches.

問題 #16
What can an administrator do to maintain a FortiGate-compatible FortiSwitch configuration when changing the management mode from standalone to FortiLinK?

- A. Enable the FortiLink setting on FortiSwitch before the authorization process.
- B. Register FortiSwitch to FortiSwitch Cloud to save a copy before managing with FortiGate.
- C. FortiGate automatically saves the existing FortiSwitch configuration during the FortiLink management process.
- D. Use a migration tool based on Python script to convert the configuration.

答案：C

解題說明：
When transitioning the management of a FortiSwitch from standalone mode to being managed by FortiGate via FortiLink, it is critical to ensure that the existing configurations are preserved. The best practice involves:
* FortiGate's Role in Configuration Preservation:FortiGate has the capability to automatically preserve the existing configuration of a FortiSwitch when it is integrated into the network via FortiLink. This feature helps ensure that the transition does not disrupt the network's operational settings.
* Configuration Integration:As FortiSwitch is integrated into FortiGate's management via FortiLink, FortiGate captures and integrates the existing switch configuration, enabling a seamless transition. This process involves FortiGate recognizing the FortiSwitch and its current setup, then incorporating these settings into the centralized management interface without the need for manual reconfiguration or the use of additional tools.
References:For further details on managing FortiSwitch with FortiGate and the capabilities of FortiLink, consult the FortiSwitch and FortiGate integration guide available on:Fortinet Product Documentation

問題 #17
Which statement about 802.1X security profiles using MAC-based authentication mode is true?

- A. FortiSwitch must communicate with the RADIUS server to authenticate devices
- B. FortiSwitch allows connectivity to all hosts connected to a port, if one host is authenticated.
- C. FortiSwitch can grant each device a different access level based on the credentials provided
- D. FortiSwitch performs faster when using this security mode on the ports.

答案：C

解題說明：
Pag 232, FortiSwitch_7.2_Study_Guide-Online "However, if you want to authenticate each device behind a port, and optionally, grant each device a different access level based on the credentials provided, then MAC- based is required." According to theFortiSwitchOS 7.6 Administration Guideand theFortiLink Guide (FortiOS 7.6), FortiSwitch supports two primary modes for 802.1X authentication:port-basedandMAC-based.
In802.1X port-based authentication, once a single supplicant (user or device) successfully authenticates, the physical port is transitioned to an "authorized" state, allowing all traffic from any device connected to that port (e.g., through a hub or unmanaged switch) to pass through. This is summarized by Option D, which is incorrect for MAC-based mode.
In contrast,802.1X MAC-based authentication(Option B) treats each device's MAC address as a distinct session. The switch maintains a table of authenticated MAC addresses for each port and applies security policies to each one individually. This granular approach allows the FortiSwitch to grantdifferent access levelsto different devices on the same physical port. For example, a laptop might be assigned to a corporate VLAN with a specific Dynamic Access Control List (DACL), while an IP phone on the same port is assigned to a Voice VLAN.
Furthermore, FortiSwitchOS 7.6 documentation specifies that MAC-based mode can support up to20 devices per port. Each device must provide its own credentials (or be validated via MAC Authentication Bypass), enabling the switch to enforce specific security attributes-such as VLAN IDs, QoS marking, and ingress ACLs-tailored to each uniquely identified device. While the switch typically communicates with aRADIUS server(Option C) for these credentials, MAC-based mode's primary functional advantage is this individual session management and authorization flexibility.

問題 #18
Which two statements about DHCP snooping enabled on a FortiSwitch VLAN are true? (Choose two.)

- A. Enabling DHCP snooping on a FortiSwitch VLAN ensures requests and replies are seen by all DHCP servers.
- B. switch-controller-dhcp-snooping-verify-mac verifies the destination MAC address to protect against DHCP exhaustion attacks.
- C. By default, all FortiSwitch ports are set to forward client DHCP requests to untrusted ports.
- D. Settings related to DHCP option 82 are only configurable through the CLI

答案：B,D

解題說明：
* Switch-controller-dhcp-snooping-verify-mac verifies the destination MAC address to protect against DHCP exhaustion attacks (B): This feature of DHCP snooping helps prevent DHCP exhaustion attacks by ensuring that the destination MAC addresses in DHCP packets match the MAC addresses learned by the switch. This check helps prevent attackers from overwhelming the DHCP

server with requests from spoofed MAC addresses.
* Settings related to DHCP option 82 are only configurable through the CLI (D): DHCP Option 82 is used for "agent information," and it's typically used in network environments where additional information between DHCP clients and servers is necessary for policy and billing purposes.
Configuration of these settings in FortiSwitch is only available through the Command Line Interface (CLI), not the Graphical User Interface (GUI).

問題 #19
You are deploying a new FortiSwitch device in a branch office and you want it to be automatically detected and managed by FortiGate. Which FortiSwitch feature enables automatic detection during deployment?
(Choose one answer)

- A. Zero-touch deployment
- B. Auto-discovery
- C. FortiLink heartbeat
- D. Link Layer Discovery Protocol (LLDP)

答案：D

解題說明：
According to theFortiOS 7.6 Study Guideand theFortiSwitch 7.6 FortiLink Guide, the automatic discovery and subsequent management of a FortiSwitch by a FortiGate controller is primarily facilitated by theLink Layer Discovery Protocol (LLDP). LLDP is an industry-standard, layer-2 protocol that allows network devices to advertise their identities and capabilities to neighbors on the same physical link.
When a factory-default FortiSwitch is connected to a FortiGate port (specifically one configured as a FortiLink interface), the switch automatically sends outLLDP advertisements. These advertisements include specificOrganizationally Specific TLVs (Type-Length-Values)that identify the device as a FortiSwitch and provide its management MAC address and current state. The FortiGate "listens" for these LLDP frames; once it receives a frame from a compatible FortiSwitch, it automatically lists the switch in theManaged FortiSwitchinventory as a "discovered" device awaiting authorization.
WhileZero-touch deployment (Option A)describes the overall goal of deploying a switch without manual CLI configuration, it is the underlyingLLDPprotocol that provides the technical mechanism for the initial detection. Once the switch is discovered via LLDP and authorized, the FortiGate uses a DHCP server on the FortiLink interface to assign an IP address to the switch and establishes a secureCAPWAP(Control and Provisioning of Wireless Access Points) tunnel for management. TheFortiLink heartbeat (Option D)is a secondary mechanism usedafterthe connection is established to monitor the health and status of the link, rather than for the initial detection of the device.

問題 #20
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