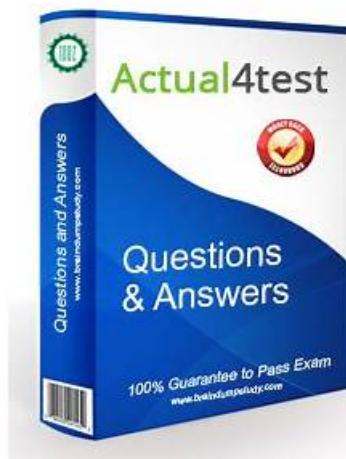


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Fortinet NSE5_FNC_AD_7.6 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Deployment and Provisioning: This domain focuses on configuring security automation for automatic event responses, implementing access control policies, setting up high availability for system redundancy, and creating security policies to enforce network security requirements.
Topic 2	<ul style="list-style-type: none">Network Visibility and Monitoring: This domain covers managing guest and contractor access, utilizing logging options for tracking network events, configuring device profiling for automatic device identification and classification, and troubleshooting network device connection issues.
Topic 3	<ul style="list-style-type: none">Integration: This domain addresses connecting FortiNAC-F with other systems using Syslog and SNMP traps, managing multiple instances through FortiNAC-F Manager, and integrating Mobile Device Management for extending access control to mobile devices.

Topic 4	<ul style="list-style-type: none"> • Concepts and Initial Configuration: This domain covers organizing infrastructure devices within FortiNAC-F and understanding isolation networks for quarantining non-compliant devices. It includes using the configuration wizard for initial system setup and deployment.
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Fortinet NSE 5 - FortiNAC-F 7.6 Administrator Sample Questions (Q16-Q21):

NEW QUESTION # 16

During an evaluation of state-based enforcement, an administrator discovers that ports that should not be under enforcement have been added to enforcement groups.

In which view would the administrator be able to identify who added the ports to the groups?
(Selected)

- A. The Port Changes view
- **B. The Admin Auditing view**
- C. The Event Management view
- D. The Security Events view

Answer: B

Explanation:

In FortiNAC-F, accountability and forensic tracking of configuration changes are managed through the Admin Auditing functionality. When an administrator performs an action that modifies the system state-such as creating a policy, changing a device's status, or adding a switch port to an Enforcement Group-the system generates an audit record. This record is essential for troubleshooting scenarios where unauthorized or accidental configuration changes have occurred, leading to unintended network behavior.

The Admin Auditing view (found under Logs > Admin Auditing) provides a comprehensive log of the "Who, What, and When" for every administrative session. Each entry includes the username of the administrator, the source IP address from which they accessed the FortiNAC-F console, a precise timestamp, and a detailed description of the modification. In the scenario described, where ports have been incorrectly added to enforcement groups, the Admin Auditing view allows a supervisor to filter by the specific "Port" or "Group" object to identify exactly which administrator executed the command.

In contrast, the Event Management view (B) is designed to monitor system and network events, such as RADIUS authentications, host connections, and SNMP trap arrivals. While it tracks system activity, it does not typically log the manual configuration changes performed by admins. The Port Changes view (C) tracks the operational history of a port (such as VLAN assignment changes and host movements) but does not attribute the administrative assignment of the port to a group. Finally, the Security Events view (D) is dedicated to alerts triggered by security rules and external threat feeds.

"Admin Auditing displays a record of all modifications made to the FortiNAC-F system by an administrator. This view includes the administrator's name, the date and time of the change, and a description of the action taken. It is the primary resource for determining which administrative user performed a specific configuration change, such as modifying port group memberships or altering policy settings." - FortiNAC-F Administration Guide: Logging and Auditing Section.

NEW QUESTION # 17

Which two requirements must be met to set up an N+1 HA cluster? (Choose two.)

- **A. A FortiNAC-F manager**
- B. A dedicated VLAN for primary and secondary synchronization

- C. A FortiNAC-F device designated as a secondary
- D. At least two FortiNAC-F devices designated as primary

Answer: A,C

Explanation:

The N+1 High Availability (HA) architecture was introduced in FortiNAC-F version 7.6 to provide a more scalable and flexible redundancy model compared to the traditional 1+1 active/passive setup. In an N+1 configuration, a single secondary (standby) appliance can provide coverage for multiple primary (active) Control and Application (CA) appliances.

To set up an N+1 HA cluster, there are two fundamental structural requirements:

A FortiNAC-F Manager (FortiNAC-M): Unlike standard 1+1 HA, which can be configured directly between two CAs, N+1 management is centralized. The FortiNAC-M acts as the orchestrator that manages the failover groups, monitors the health of the primaries, and coordinates the promotion of the secondary server if a primary fails.

A FortiNAC-F device designated as a Secondary: The cluster must have one appliance explicitly configured with the Secondary failover role. This device remains in a standby state, receiving database replications from all N primaries in its group until it is called upon to take over the functions of a failed unit.

While a cluster can support multiple primaries (D), it does not strictly require "at least two" to function as an N+1 group; it simply requires N primaries (where $N \geq 1$). Additionally, N+1 is typically a Layer 3 managed solution via the Manager, meaning it does not mandate a "dedicated VLAN" for synchronization like some Layer 2 HA deployments.

"In FortiNAC-F 7.6, FortiNAC-M functions as a manager to manage the N+1 Failover Groups... enabling N+M high availability for CAs. To create an N+1 Failover group, you should add the secondary CA to the FortiNAC-M first, then add the primary CAs. The secondary CA is designed to take over the functionality of any single failed primary component." - FortiNAC-F 7.6.0 N+1 Failover Reference Manual.

NEW QUESTION # 18

An administrator wants FortiNAC-F to return a group of user-defined RADIUS attributes in RADIUS responses.

Which condition must be true to achieve this?

- A. Inbound RADIUS requests must contain the Calling-Station-ID attribute.
- B. RADIUS accounting must be enabled on the FortiNAC-F RADIUS server configuration.
- C. The requesting device must support RFC 5176.
- D. The device models in the inventory view must be configured for proxy-based authentication.

Answer: A

Explanation:

In FortiNAC-F, the RADIUS Attribute Groups feature allows administrators to return customized RADIUS attributes (such as specific VLAN IDs, filter IDs, or vendor-specific attributes) in an Access-Accept packet sent back to a network device. This is particularly useful for supporting "Generic RADIUS" devices that are not natively supported but can be managed using standard AVPairs.

According to the FortiNAC-F Generic RADIUS Wired Cookbook and the RADIUS Attribute Groups section of the Administration Guide, there is one critical prerequisite for this feature to function: the inbound RADIUS request must contain the Calling-Station-ID attribute. The Calling-Station-ID typically contains the MAC address of the connecting endpoint. Because FortiNAC-F is a host-centric system, it uses the MAC address as the unique identifier to look up the host record, evaluate the associated Network Access Policy, and determine which Logical Network (and thus which Attribute Group) should be applied. If the incoming request lacks this attribute, FortiNAC-F cannot reliably identify the host and, as a safety mechanism, will not include any user-defined RADIUS attributes in the response. This ensures that unauthorized or unidentifiable devices do not receive privileged access through misapplied attributes.

"Configure a set of attributes that must be included in the RADIUS Access-Accept packet returned by FortiNAC... Requirement: Inbound RADIUS request must contain Calling-Station-Id. Otherwise, FortiNAC will not include the RADIUS attributes. This attribute is used to identify the host and its current state within the FortiNAC database." - FortiNAC-F 7.6.0 Generic RADIUS Wired Cookbook: Configure RADIUS Attribute Groups.

NEW QUESTION # 19

How can an administrator configure FortiNAC-F to normalize incoming syslog event levels across vendors?

- A. Configure event to alarm mappings.
- B. Configure the vendor OUI settings.
- C. Configure severity mappings.

- D. Configure the security rule settings.

Answer: C

Explanation:

FortiNAC-F serves as a central manager for security events originating from a diverse ecosystem of third-party security appliances, such as FortiGate, Check Point, and Cisco. Each vendor utilizes its own internal scale for severity levels within syslog messages (e.g., Check Point uses a 1-5 scale, while others may use 0-7). To provide a consistent response regardless of the source, FortiNAC-F uses Severity Mappings to normalize these incoming values.

According to the FortiNAC-F Administration Guide, severity mappings allow the administrator to translate vendor-specific threat levels into standardized FortiNAC Security Levels (such as High, Medium, or Low Violation). When a syslog message arrives, the parser extracts the vendor's severity code, and the system immediately references the Security Event Severity Level Mappings table to determine how that event should be categorized internally. This normalization is vital because it allows a single Security Alarm to be configured to respond to any "High Violation" event, whether it was reported as a "Critical" by one vendor or a "Level 5" by another. Without these mappings, the administrator would have to create separate, redundant security rules for every vendor to account for their different naming conventions and numerical scales.

"Each vendor defines its own severity levels for syslog messages. The following table shows the equivalent FortiNAC security level... To normalize these events, configure the Severity Level Mappings found in the device integration guides. This allows FortiNAC to generate a consistent security event that can then trigger an alarm regardless of the reporting vendor's specific terminology." - FortiNAC-F Administration Guide: Vendor Severity Levels and Syslog Management.

NEW QUESTION # 20

An administrator wants to control user access to corporate resources by integrating FortiNAC-F with FortiGate using firewall tags defined on FortiNAC-F.

Where would the administrator assign the firewall tag value that will be sent to FortiGate?

- A. Logical network
- B. RADIUS group attribute
- C. Security rule
- D. Device profiling rule

Answer: A

Explanation:

Questions no: 9

Verified Answer: B

Comprehensive and Detailed 250 to 300 words each Explanation with Exact Matched Extract from FortiNAC-F Administrator library and documentation for current versions (including F 7.2, 7.4, and 7.6) documents:

In FortiNAC-F, the integration with FortiGate for Security Fabric and Single Sign-On (FSSO) allows the system to communicate the access level of an endpoint directly to the firewall using firewall tags. This eliminates the need for complex VLAN steering in some environments by allowing the FortiGate to apply policies based on these dynamic tags instead of just a physical or virtual network segment.

The actual assignment of the firewall tag value occurs within a Logical Network. In the FortiNAC-F architectural model, a Logical Network acts as a container for "Access Values". When an administrator configures a Logical Network (located under Network > Logical Networks), they define what that network represents-such as "Corporate Access" or "Contractor Limited". Within that definition, they assign the specific Firewall Tag that matches the tag created on the FortiGate. Once a user or host matches a Network Access Policy, FortiNAC-F identifies the associated Logical Network and pushes the defined tag to the FortiGate via the FSSO connector.

It is important to note that while Network Access Policies (and by extension Security Rules) are the logic engines that trigger the assignment, they do not hold the tag value itself. They simply point to a Logical Network, which serves as the central repository for that specific access configuration.

"To assign firewall tags, navigate to Network > Logical Networks. Select the desired logical network and click Edit. Under the Access Value section, select Firewall Tag as the type and enter the tag name exactly as it appears on the FortiGate. When a Network Access Policy matches a host, FortiNAC sends this tag to the FortiGate as an FSSO message." - FortiNAC-F Administration Guide: Logical Networks and Security Fabric Integration.

NEW QUESTION # 21

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