# Hilfsreiche Prüfungsunterlagen verwirklicht Ihren Wunsch nach der Zertifikat der Fortinet NSE 5 - FortiSwitch 7.6 Administrator

2026 Die neuesten Zertpruefung NSE5_FSW_AD-7.6 PDF-Versionen Prüfungsfragen und NSE5_FSW_AD-7.6 Fragen und Antworten sind kostenlos verfügbar: https://drive.google.com/open?id=1Hr74lRcRPxq7ySSKRTvtywAnjLnZNskT

Zertpruefung ist eine professionelle Website, die jedem Kandidaten guten Service vor und nach dem Kauf bietet. Wenn Sie die Prüfungsfragen und Antworten zur Fortinet NSE5_FSW_AD-7.6 Zertifizierungsprüfung von Zertpruefung benötigen, können Sie im Internet die Demo herunterladen, um sicherzustellen, ob es Ihnen passt. So können Sie persönlich die Qualität unserer Produkte testen und dann kaufen. Fallen Sie in der Fortinet NSE5_FSW_AD-7.6 Prüfung durch, zahlen wir Ihnen die gesammte Summe zurück. Und außerdem bieten wir Ihnen einen einjährigen kostenlosen Update-Service, bis Sie die Fortinet NSE5_FSW_AD-7.6 Prüfung bestehen.

## Fortinet NSE5_FSW_AD-7.6 Prüfungsplan:

| Thema | Einzelheiten |
|---|---|
| Thema 3 | • Deployment and management: |
| Thema 7 | • Monitoring and troubleshooting: |

| | |
|---|---|
| Thema 9 | • This domain includes provisioning and deploying FortiSwitch in supported topologies, including multi-tenancy environments. It emphasizes proper setup, scalability, and centralized management. |
| Thema 10 | • This domain covers packet capture methods, FortiLink troubleshooting, and diagnostic tools used to monitor traffic and resolve network issues. |
| Thema 11 | • 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. |

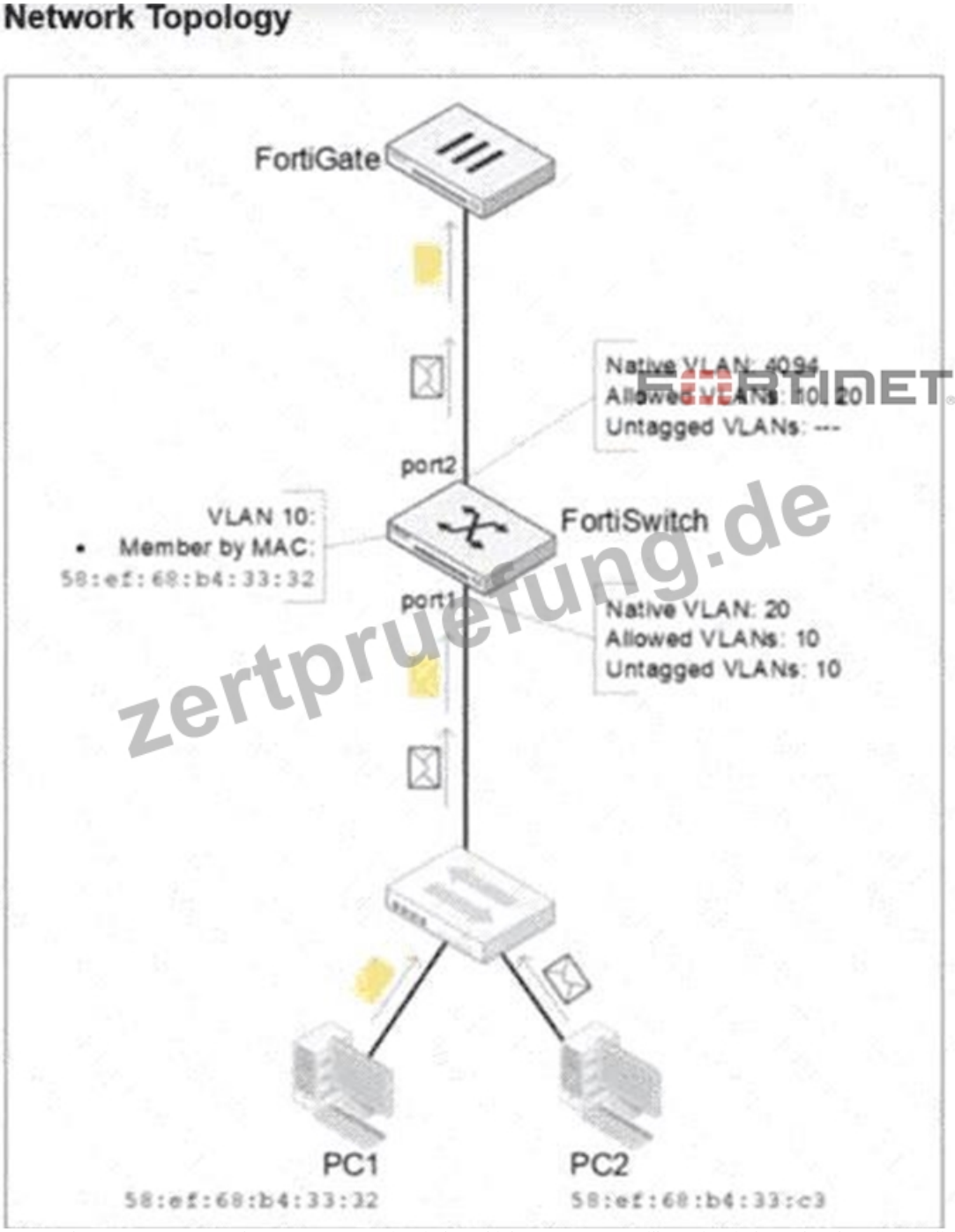


## Hohe Qualität von NSE5_FSW_AD-7.6 Prüfung und Antworten

Zertpruefung kann Ihnen Ihren Stress zur Fortinet NSE5_FSW_AD-7.6 Zertifizierungsprüfung im Internet überwinden. Die Lernmaterialien zur Fortinet NSE5_FSW_AD-7.6 Zertifizierungsprüfung enthalten Kurse, Online-Prüfung, Lerntipps im Internet. Unser Zertpruefung hat Simulationsprüfungen, das Ihnen helfen, die Fortinet NSE5_FSW_AD-7.6 Prüfung ganz einfach ohne viel Zeit und Geld zu bestehen. Wenn Sie unsere Lernmaterialien haben und sich um die Prüfungsfragen kümmern, können Sie ganz leicht das Zertifikat bekommen.

## Fortinet NSE 5 - FortiSwitch 7.6 Administrator NSE5_FSW_AD-7.6 Prüfungsfragen mit Lösungen (Q77-Q82):

**77. Frage**
Refer to the exhibit.




PC1 and PC2 are connected to port1 on FortiSwitch. Which VLAN tags will FortiSwitch apply when forwarding PC1 and PC2 traffic out of port2? (Choose one answer)

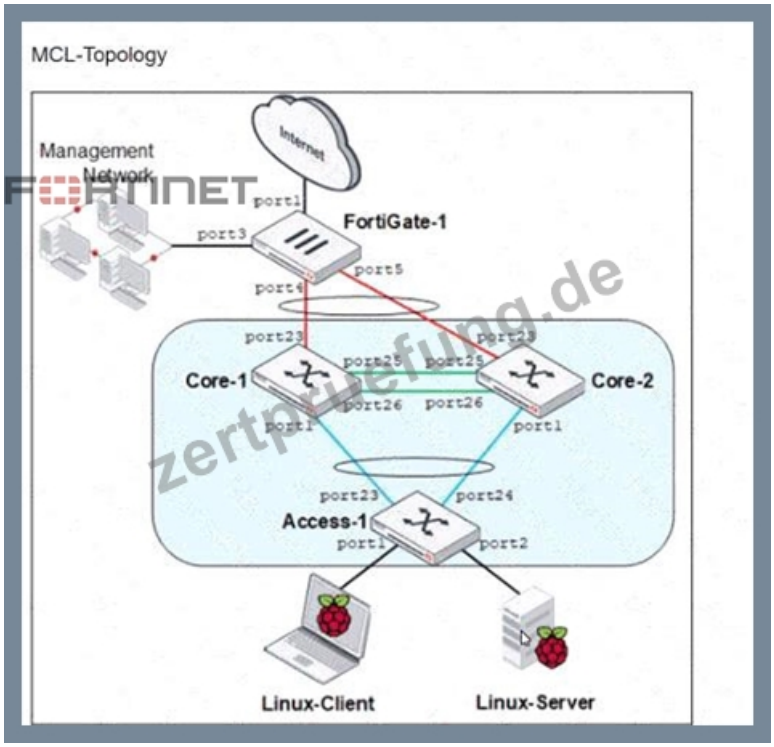
- A. FortiSwitch will tag PC1 frames with VLAN 10 and PC2 frames with VLAN 20.
- B. FortiSwitch will tag both PC1 and PC2 frames with VLAN 10, due to MAC override.
- C. FortiSwitch will tag PC1 and PC2 frames with VLAN 20.
- D. FortiSwitch will leave PC1 frames untagged and will tag PC2 frames with VLAN 10.

**Antwort: A**

Begründung:
According to theFortiSwitchOS 7.6 Administration Guideand theFortiSwitch 7.6 Study Guide, the classification of untagged traffic entering a switch port is determined by the port's hierarchy of VLAN assignment rules.
For the traffic arriving atport1:
* PC1 (MAC 58:ef:68:b4:33:32):The exhibit shows an explicitMAC-based VLAN assignmentrule for this specific MAC address, placing it intoVLAN 10. In FortiSwitchOS, dynamic assignments like MAC-based or protocol-based rules take precedence over the port's static native VLAN. Therefore, PC1's traffic is internally associated with VLAN 10.
* PC2 (MAC 58:ef:68:b4:33:c3):There is no MAC-based rule for this device. As a result, the switch falls back to the default

behavior and assigns the traffic to the port'sNative VLAN, which isVLAN 20.
For the traffic exiting port2:
The egress behavior depends on the VLAN tagging configuration of the outgoing interface. On port2, the Native VLAN is 4094, and VLANs 10 and 20 are listed as Allowed VLANs. According to Fortinet documentation, any traffic belonging to an allowed VLAN that does not match the native VLAN ID of the egress port must be sent as tagged 802.1Q frames. Since neither VLAN 10 nor VLAN 20 matches the native ID of 4094, the FortiSwitch will apply a VLAN 10 tag to PC1's traffic and a VLAN 20 tag to PC2's traffic as they are forwarded to the FortiGate.

**78. Frage**
Refer to the exhibit.




Core-1 and Access-1 are managed and authorized by FortiGate-1. which uses port4 as the FortiLink interface.
After FortiGate authorizes and manages Core-2. Port1 status becomes STP discarding.
Why is port1 in the discarding state?

- A. port1 on Core-2 is discarding only management traffic.
- B. Core-2 has the lowest bridge priority.
- C. Access-1 is the root bridge and can only have one root port.
- D. Core-1 and Core-2 do not have MCLAG configuration.

**Antwort: D**

Begründung:
The STP (Spanning Tree Protocol) discarding state on port1 of Core-2, after Core-1 and Access-1 are managed and authorized by FortiGate-1, is likely due to the lack of an MCLAG (Multi-Chassis Link Aggregation Group) configuration between Core-1 and Core-2. In typical network configurations involving STP and MCLAG, the absence of MCLAG can lead to STP blocking one of the redundant paths to prevent loops, which is a critical function of STP. Port1 on Core-2 being in a discarding state suggests that it has been identified as providing a redundant path that could potentially create a network loop, hence STP has placed this port in a blocking (discarding) state to maintain a loop-free topology.
References:
For a deeper understanding of STP operations and MCLAG configurations in FortiGate managed environments, consult the Fortinet knowledge base:Fortinet Knowledge Base.

**79. Frage**
Which statement about 802.1X security profiles using MAC-based authentication mode is true?

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

**Antwort: D**

Begründung:
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.

**80. Frage**
Exhibit.
port24 is the only uplink port connected to the network where access to FortiSwitch management services is possible. However, FortiSwitch is still not accessible on the management interface. Which two actions should you take to fix the issue and access FortiSwitch? (Choose two.)

- A. You must allow VLAN ID 4094 on port24, if management traffic is tagged.
- B. You must add VLAN ID 200 to the allowed VLANS on internal.
- C. You should use VLAN ID 4094 as the native VLAN on port24.
- D. You must add port24 native VLAN as an allowed VLAN on internal.

**Antwort: A,D**

Begründung:
To enable access to the FortiSwitch management interface from the network, certain configuration adjustments need to be made, particularly considering the VLAN settings displayed in the exhibit:
* Adding port24 native VLAN to the allowed VLANs on internal (Option A): The management VLAN (VLAN 4094 in this case, as it is set as the native VLAN on the 'internal' interface of the FortiSwitch) must be included in the allowed VLANs on the interface that provides management connectivity. Since port24 is set with a different native VLAN (VLAN 100), VLAN 4094 (the management VLAN) should be allowed through to ensure connectivity.
* Allow VLAN ID 4094 on port24 if management traffic is tagged (Option C): Management traffic is tagged on VLAN 4094. Since port24 is connected to the network and serves as an uplink, allowing VLAN 4094 ensures that management traffic can reach the management interface of the FortiSwitch through this port.
The changes align with Fortinet's best practices for setting up management VLANs and ensuring they are permitted on the relevant switch ports for proper management traffic flow.
References:
FortiGate Infrastructure and Security 7.2 Study Guides
Best practices for VLAN configurations in Fortinet's technical documentation

**81. Frage**
(Full question statement start from here)
You are deploying a FortiSwitch virtual stack in a network that contains Cisco devices. You want the Cisco devices toautomatically discover the FortiSwitch devices and exchange device information. Which two protocols must be enabled on the FortiSwitch

devices to achieve this? (Choose two answers)

- A. Link Layer Discovery Protocol
- B. LLDP - Media Endpoint Discovery
- C. Unidirectional Link Detection
- D. Cisco Discovery Protocol

**Antwort: A,D**

Begründung:
In mixed-vendor network environments, such as deployments that include bothFortiSwitchandCiscodevices, properLayer 2 discovery protocolsmust be enabled to allow devices to automatically discover neighbors and exchange essential device and interface information. FortiSwitchOS 7.6 supports bothCisco Discovery Protocol (CDP)andLink Layer Discovery Protocol (LLDP)to ensure interoperability.
Cisco Discovery Protocol (CDP)is a Cisco-proprietary Layer 2 discovery protocol widely used by Cisco switches, routers, and IP phones. When CDP is enabled on FortiSwitch interfaces, Cisco devices can discover FortiSwitch neighbors and receive information such as device ID, port ID, platform, and capabilities. This is particularly important in Cisco-centric networks where CDP is the primary discovery mechanism.
Link Layer Discovery Protocol (LLDP), defined by IEEE 802.1AB, is a vendor-neutral discovery protocol supported by both Fortinet and Cisco devices. Enabling LLDP allows FortiSwitch and Cisco devices to exchange standardized information including system name, port description, VLAN information, and management address. LLDP is essential for cross-vendor compatibility and is commonly enabled by default in modern enterprise networks.
The remaining options are incorrect.Unidirectional Link Detection (UDLD)is used to detect unidirectional fiber or copper link failures and does not provide device discovery or information exchange.LLDP-MEDis an extension of LLDP specifically designed for media endpoints such as IP phones and is not required for general switch-to-switch discovery.
Therefore, to ensure automatic discovery and information exchange between FortiSwitch and Cisco devices, both CDP and LLDP must be enabled, makingOptions B and Cthe correct and fully verified answers based on FortiSwitchOS 7.6 documentation.

**82. Frage**
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**NSE5_FSW_AD-7.6 Prüfungsübungen**: https://www.zertpruefung.de/NSE5_FSW_AD-7.6_exam.html

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