

# H12-893\_V1.0 Test Discount Voucher - Pass H12-893\_V1.0 in One Time



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## Huawei H12-893\_V1.0 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>• Data Center Network Technology and Application: This section evaluates the skills of IT Solution Architects and Data Center Network Engineers in understanding the fundamental concepts, evolution, and significance of data centers in modern enterprises. It delves into the overall architecture, including computing, storage, and networking components, and highlights typical application scenarios in sectors like finance, government, and large enterprises. Additionally, it introduces core concepts of data center networking (DCN), focusing on the Spine-Leaf architecture, and provides an overview of essential data center technologies such as VXLAN-based network layers, Underlay and Overlay networks, integrated cabling designs (ToR, EoR, MoR), equipment room modules, and the role of iMaster NCE in managing network devices.</li></ul>

Topic 2	<ul style="list-style-type: none"> <li>• <b>Technical Principles and Application of M-LAG:</b> This section introduces Multi-Chassis Link Aggregation (M-LAG) concepts to Data Center Network Engineers, covering its basic principles, configurations, benefits in enhancing network reliability, mechanisms for failure protection within M-LAG setups, deployment processes, considerations, and best practices for M-LAG in data centers.</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>• <b>Huawei CloudFabric Solution: Targeting IT Solution Architects,</b> this section introduces Huawei's CloudFabric solution, addressing evolving trends and challenges in data center networks. It highlights the solution's components, key features, and advantages in modern data centers.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>• <b>Data Center Network O&amp;M:</b> Aimed at Data Center Network Engineers, this section evaluates their understanding of operation and maintenance (O&amp;M) challenges in data center networks. It introduces Huawei's intelligent O&amp;M solutions, including iMaster NCE-Fabric and iMaster NCE-FabricInsight, and discusses typical O&amp;M scenarios, management, monitoring, troubleshooting practices, and automated O&amp;M strategies through network service programmability.</li> </ul>
Topic 5	<ul style="list-style-type: none"> <li>• <b>Technical Principles and Applications of VXLAN:</b> Aimed at Data Center Network Engineers, this section evaluates their understanding of the necessity, development, and foundational concepts of VXLAN technology in addressing traditional network limitations. It also delves into the principles of Ethernet VPN (EVPN) as a control plane for VXLAN and presents practical VXLAN deployment examples in common data center scenarios.</li> </ul>

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### **Huawei HCIP-Data Center Network V1.0 Sample Questions (Q44-Q49):**

#### **NEW QUESTION # 44**

Which of the following statements is false about the overlay technology and VXLAN protocol?

- **A. A VXLAN tunnel endpoint that performs encapsulation is called a VNI.**
- B. VXLAN uses ECMP of the underlay network to improve network forwarding performance.
- C. A VXLAN network is built based on UDP.
- D. VXLAN expands the number of subnets to 16 million and supports multi-tenancy.

**Answer: A**

**Explanation:**

VXLAN is an overlay technology that encapsulates Layer 2 frames within UDP packets to create scalable virtual networks, widely used in Huawei's data center architectures. Let's evaluate each statement:

A . A VXLAN tunnel endpoint that performs encapsulation is called a VNI: This is incorrect. A VXLAN Tunnel Endpoint (VTEP) is the device (physical or virtual) that performs encapsulation and decapsulation. The VNI (VXLAN Network Identifier) is a 24-bit field in the VXLAN header that identifies the virtual network, not the endpoint. FALSE.

B . VXLAN uses ECMP of the underlay network to improve network forwarding performance: Equal-Cost Multi-Path (ECMP) routing in the underlay network allows VXLAN to distribute traffic across multiple paths, enhancing load balancing and performance. This is a standard feature in Huawei's VXLAN implementations. TRUE.

C . A VXLAN network is built based on UDP: VXLAN encapsulates Ethernet frames within UDP packets (using port 4789), making it a UDP-based overlay protocol. This is a core characteristic of VXLAN. TRUE.

D . VXLAN expands the number of subnets to 16 million and supports multi-tenancy: With a 24-bit VNI, VXLAN supports up to 16 million (2

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