

# Nexus ACI Interview Questions and Answers Volume - Everything You Need to Know

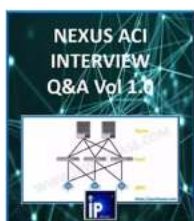
Are you preparing for an interview related to Nexus ACI? Do you want to brush up on your knowledge and be well-prepared to tackle any question that comes your way? Look no further! In this article, we will provide you with a comprehensive list of Nexus ACI interview questions and answers, covering a wide range of topics. Whether you are a beginner or an expert, this resource will assist you in landing your dream job.

## What is Nexus ACI?

Nexus ACI is a software-defined networking (SDN) solution created by Cisco Systems. It stands for Application Centric Infrastructure and aims to simplify network operations and provide automation, scalability, and security. Nexus ACI brings a centralized approach to managing and provisioning network resources, allowing for flexibility and agility in network deployments.

## Why are Nexus ACI skills in high demand?

In recent years, the demand for Nexus ACI professionals has surged due to its wide adoption in organizations across various industries. The benefits it offers, such as reduced infrastructure complexity, improved security, and faster application deployments, have made it a top choice for businesses.



## Nexus ACI Interview Questions and Answers: Volume

**1.0** by William Roscoe(Kindle Edition)

★★★★★ 5 out of 5

Language : English

File size : 3444 KB

|                      |             |
|----------------------|-------------|
| Text-to-Speech       | : Enabled   |
| Screen Reader        | : Supported |
| Enhanced typesetting | : Enabled   |
| Word Wise            | : Enabled   |
| Print length         | : 20 pages  |
| Lending              | : Enabled   |



As a result, employers are actively seeking professionals who possess Nexus ACI skills and knowledge. Being well-versed in Nexus ACI is a valuable asset that can open up numerous career opportunities in network engineering, infrastructure management, and cloud computing.

## **Nexus ACI Interview Questions**

Now, let's dive into the Nexus ACI interview questions that you may encounter during the hiring process. This list is designed to cover a broad spectrum of topics, from basic concepts to advanced configurations:

1. What is the main objective of Nexus ACI?
2. Explain the concept of endpoint groups (EPGs) in Nexus ACI.
3. What is the purpose of the Application Network Profile (ANP)?
4. How does Nexus ACI handle policy enforcement?
5. What are the advantages of using Application Network Profile (ANP) in Nexus ACI?
6. Describe the difference between VLAN and VXLAN.
7. How does Nexus ACI integrate with different cloud platforms?

8. 8. Explain the concept of micro-segmentation in Nexus ACI.
9. 9. What is the role of a leaf switch in Nexus ACI architecture?
10. 10. How does Nexus ACI ensure security in a network environment?

## **Nexus ACI Interview Answers**

To help you prepare for your interview, here are the answers to the Nexus ACI interview questions:

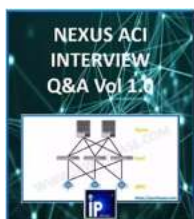
1. 1. The main objective of Nexus ACI is to provide a policy-driven automation solution for data center networking, enabling simplified operations and faster application deployments.
2. 2. Endpoint groups (EPGs) in Nexus ACI are a logical grouping of end devices, such as servers or desktops, that share similar network policy requirements.
3. 3. The Application Network Profile (ANP) in Nexus ACI is a blueprint that defines the network and security policies for a specific application or group of applications.
4. 4. Nexus ACI handles policy enforcement through its Application Policy Infrastructure Controller (APIC), which manages and distributes network policies across the fabric.
5. 5. Using an Application Network Profile (ANP) in Nexus ACI offers advantages such as better security, increased agility, simplified management, and improved visibility into application dependencies.
6. 6. VLAN (Virtual Local Area Network) is a traditional networking technology that operates at Layer 2, while VXLAN (Virtual Extensible

LAN) is an overlay network technology that operates at Layer 3, enabling greater scalability and flexibility.

7. 7. Nexus ACI integrates with various cloud platforms through its integration with Cisco CloudCenter, allowing seamless deployment and management of applications across hybrid cloud environments.
8. 8. Micro-segmentation in Nexus ACI refers to the ability to create granular security policies within the network fabric, allowing for secure communication between specific endpoints while isolating others.
9. 9. The leaf switch in Nexus ACI architecture acts as an intermediary device that connects endpoints to the fabric, facilitating communication and enforcing policies.
10. 10. Nexus ACI ensures security in a network environment through policy enforcement, micro-segmentation, and the integration of security services such as firewalls and intrusion prevention systems.

Mastering Nexus ACI is crucial for anyone aspiring to excel in the field of network engineering or infrastructure management. By familiarizing yourself with the questions and answers provided in this article, you will be well-prepared to showcase your expertise in Nexus ACI during an interview.

Remember to supplement this resource with hands-on experience and further research to maximize your chances of success. Good luck!



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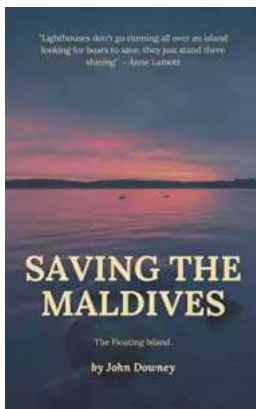
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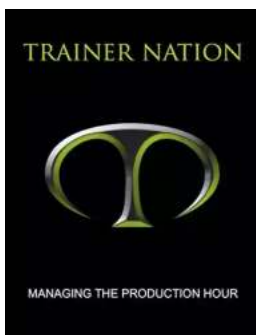


- 46 Questions and Answers
- All Questions and Answers structured in standard format
- Easy to understand Answers
- Diagrams with examples (where required) for ease of understanding.



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