

# 300-540 - Newest New Designing and Implementing Cisco Service Provider Cloud Network Infrastructure Exam Review



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## Cisco Designing and Implementing Cisco Service Provider Cloud Network Infrastructure Sample Questions (Q125-Q130):

### NEW QUESTION # 125

Which two network segments are needed to support Cisco VIM? (Choose two.)

- A. Provisioning
- B. Heartbeat
- C. Host
- D. Storage
- E. Data plane

**Answer: A,D**

Explanation:

Comprehensive and Detailed Explanation From Cisco NFVI + VIM Architecture Cisco VIM (Virtual Infrastructure Manager) operates as part of Cisco NFVI and requires specific mandatory network segments to deploy OpenStack-based NFVI environments.

The essential required networks for Cisco VIM include:

#Provisioning network

- \* Used during bare-metal install of compute and controller nodes
- \* Handles PXE boot, image deployment, and VIM's management reachability

#Storage network

- \* Used for Cinder, Swift, Ceph, and Glance back-end storage replication
- \* Ensures predictable latency and bandwidth for NFVI workloads

Other networks exist in VIM (Management, API, Tenant, External), but the question asks for the required foundational segments.

Why the other options are incorrect:

- \* Data plane(B) - used inside NFV workloads but not a required VIM infrastructure network.
- \* Heartbeat(C) - not a defined VIM network segment.
- \* Host network(D) - not a Cisco VIM terminology; provisioning network handles host onboarding.

### NEW QUESTION # 126

Which two tools should be used to manage container orchestration? (Choose two.)

- A. Cisco vManage
- B. VMware vCenter
- C. Kubernetes
- D. Docker
- E. Cisco vSmart

**Answer: C,D**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract from my knowledge of Designing and Implementing Cisco Service Provider Cloud Network Infrastructure Outlines without Any External URL or Links:

Container orchestration is the automated management of container lifecycle tasks such as deployment, scaling, failover, and updates. In Cisco cloud and NFV design guidance, typical orchestration platforms include Docker (with Swarm) and Kubernetes, which integrate with Cisco networking and security for cloud-native workloads.

\* Docker provides the container runtime and can also perform basic orchestration through Docker Swarm mode, managing multi-container, multi-host deployments.

\* Kubernetes is a full-featured orchestration system that automates deployment, scaling, and operations of application containers across clusters. It is the de-facto standard used with Cisco Container Platform and other Cisco cloud solutions.

VMware vCenter, Cisco vManage, and Cisco vSmart focus on virtual machines or SD-WAN control, not container orchestration. Therefore, the correct tools are Docker and Kubernetes (A, D).

### NEW QUESTION # 127

Which format is used by Cisco Container Platform for configuration files?

- A. YAML
- B. HTML
- C. XHTML
- D. XML

**Answer: A**

Explanation:

Comprehensive and Detailed Explanation

Cisco Container Platform (CCP), built on Kubernetes orchestration, uses YAML files for:

- \* Cluster configuration
- \* Pod definitions
- \* Network settings
- \* Storage mappings

YAML is the industry-standard declarative syntax for Kubernetes and container orchestration platforms.

HTML, XHTML, and XML are not used for CCP configuration.

**NEW QUESTION # 128**

Which KPI is essential in the VIM control plane for network assurance?

- A. Cable length
- B. Encryption rate
- C. CPU utilization
- D. Number of physical routers

**Answer: C**

**NEW QUESTION # 129**

In the context of high availability, EVLAG is implemented to enhance \_\_\_\_\_.

- A. speed
- B. latency
- C. redundancy
- D. simplicity

**Answer: C**

**NEW QUESTION # 130**

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