

# Designing and Implementing Cisco Service Provider Cloud Network Infrastructure practice dumps & 300-540 exam dumps



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## Cisco Designing and Implementing Cisco Service Provider Cloud Network

## Infrastructure Sample Questions (Q56-Q61):

### NEW QUESTION # 56

An engineer must implement a public cloud solution that enables a company to place all its infrastructure and its end-user applications in the cloud, eliminating the need for software application management and maintenance. Which cloud service model must be used?

- A. SaaS
- B. FaaS
- C. IaaS
- D. PaaS

**Answer: A**

Explanation:

Comprehensive and Detailed Explanation (Cisco Cloud Model Knowledge)

The requirement states:

- \* All infrastructure in the cloud
- \* All applications delivered from the cloud
- \* No software management
- \* No maintenance by the customer

This matches Software as a Service (SaaS).

SaaS provides:

- \* Fully managed applications
- \* No patching, upkeep, installation, or infrastructure maintenance
- \* End-to-end cloud delivery

PaaS and IaaS still require some software/application management.

FaaS is event-driven serverless compute, not full application hosting.

Therefore, the correct answer is A. SaaS.

### NEW QUESTION # 57

Diagnosing NFVI errors and events often requires:

- A. Manual log review
- B. Ignoring alerts
- C. Decreasing security measures
- D. Automated monitoring tools

**Answer: D**

### NEW QUESTION # 58

An engineer must design a pay-as-you-go solution for their partners. The solution must allow for rapid deployments, be flexible, and scale resources up or down in a hybrid workplace. What must be used?

- A. Cisco+ Hybrid Cloud for Bare Metal Compute
- B. Cisco+ Hybrid Cloud for Virtualization
- C. Cisco+ Hybrid Cloud for Service Provider Networking
- D. Cisco+ Hybrid Cloud for Virtual Desktop Infrastructure

**Answer: 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:

Cisco+ Hybrid Cloud is Cisco's as-a-service consumption model that offers pay-as-you-go infrastructure. For a hybrid workplace, the focus is on giving users secure desktop environments from anywhere, with the ability to rapidly deploy and scale up or down based on the number of users or partners.

Cisco+ Hybrid Cloud for Virtual Desktop Infrastructure (VDI) specifically delivers desktop and app workspaces as an on-demand service. It allows partners to consume desktops elastically, paying for capacity as needed and scaling the underlying compute, storage, and networking without rebuilding the environment.

\* Bare Metal Compute and Virtualization offers flexible infrastructure but are aimed at app/workload hosting rather than user desktop workspaces.

\* Service Provider Networking addresses network services, not end-user hybrid workplace desktops.

Therefore, for a pay-as-you-go, rapidly deployable, elastic solution in a hybrid workplace, Cisco+ Hybrid Cloud for Virtual Desktop Infrastructure is the correct choice.

#### NEW QUESTION # 59

An engineer must design a cloud platform for managing IaC. The solution must be flexible, integrate with APIs, and allow for automation. What must be used?

- A. Cisco with Terraform
- B. Cloud-based sandboxes
- C. Cisco ThousandEyes
- D. Cisco AppDynamics

**Answer: A**

Explanation:

Comprehensive and Detailed Explanation

Infrastructure as Code (IaC) requires:

\* Declarative configuration

\* Automation

\* API-driven workflows

\* Multi-cloud capability

\* Integration with orchestration and provisioning tools

Terraform is a widely adopted IaC platform supporting:

\* Cloud automation (AWS, Azure, GCP, private clouds)

\* Cisco infrastructure provisioning (Nexus, ACI, IOS-XR, NSO, SD-WAN, etc.)

\* REST APIs and providers for programmability

Cisco provides official Terraform providers for multiple platforms, enabling full IaC operations. This aligns exactly with SP cloud automation design principles.

Other options:

\* Cloud-based sandboxes# For testing, not IaC automation

\* ThousandEyes# Monitoring and performance analytics

\* AppDynamics# Application performance management

#### NEW QUESTION # 60

Troubleshooting ACI involves understanding:

- A. Only the physical layer of the network
- B. The brand of hardware being used
- C. The application-centric policies and their impact on network behavior
- D. Basic routing protocols only

**Answer: C**

#### NEW QUESTION # 61

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