



# Cisco

## 642-998 Exam

### Designing Cisco Data Center Unified Computing (DCUCD) v5.0

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## Version: 12.0

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**Question: 1**

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Which document is the least relevant as an output deliverable from the design phase?

- A. high-level design
- B. site requirements specification
- C. configurations
- D. migration plan

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**Answer: C**

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**Question: 2**

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Which performance characteristic is least likely to require being addressed in the data center solution requirements?

- A. server virtualization
- B. desktop virtualization
- C. distributed computing
- D. private cloud
- E. power efficiency

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**Answer: E**

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**Question: 3**

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Which item can be used as an alternative reconnaissance tool to the NetApp OnCommand Balance application?

- A. NetIQ PlateSpin
- B. VKernel vOPS
- C. Microsoft Assessment and Planning Toolkit
- D. VMware vCenter Orchestrator plug-in
- E. Symantec Enterprise Security Manager

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**Answer: A**

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**Question: 4**

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Which design steps could be considered optional?

- A. audit
- B. solution sizing
- C. analysis
- D. deployment provision

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**Answer: A**

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**Question: 5**

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Which technology differentiates a data center designed around Cisco equipment versus another vendor?

- A. NPV
- B. NPIV
- C. VSANs
- D. FCoE

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**Answer: C**

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**Question: 6**

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Which two characteristics are associated with the core layer of a Cisco Data Center Unified Fabric network? (Choose two.)

- A. no packet manipulation
- B. QoS – policing
- C. voice, data, and wireless convergence
- D. scalable routing protocols
- E. provides default gateway redundancy
- F. QoS – classification and queuing

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**Answer: A, D**

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**Question: 7**

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The ANSI restriction that only 239 Fibre Channel domains are allowed per SAN fabric creates challenges for the designer working on a Cisco Data Center Unified Fabric network.

Which two approaches can the designer utilize to restrict the number of Fibre Channel domains below 239? (Choose two.)

- A. Daisy chain up to 100 core Fibre Channel switches, leaving 139 domains for the network edge.
- B. Assign a domain ID for each blade switch and top-of-rack access layer switch.
- C. Use NPV to cause a fabric or blade switch to appear as a host to the core Fibre Channel switch.

- D. Migrate to FCoE to eliminate the need for Fibre Channel domains.
- E. Utilize VSANs to allow scaling well beyond 239 domain IDs.

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**Answer: C, E**

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**Question: 8**

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Which three characteristics are associated with the aggregation layer of a Cisco Data Center Unified Fabric network? (Choose three.)

- A. no packet manipulation
- B. QoS – policing
- C. voice, data, and wireless convergence
- D. scalable routing protocols
- E. provides default gateway redundancy
- F. QoS – classification and queuing
- G. routing manipulation and filtering
- H. aggregates end users

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**Answer: B, E, G**

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**Question: 9**

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Which three characteristics are associated with the access layer of a Cisco Data Center Unified Fabric network? (Choose three.)

- A. no packet manipulation
- B. QoS – policing
- C. voice, data, and wireless convergence
- D. scalable routing protocols
- E. provides default gateway redundancy
- F. QoS – classification and queuing
- G. routing manipulation and filtering
- H. aggregates end users

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**Answer: C, F, H**

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**Question: 10**

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Which protocol is best suited for connecting two data centers together?

- A. LISP
- B. OTV
- C. FabricPath
- D. vPC

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**Answer: B**

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**Question: 11**

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Which statement about the Overlay Transport Virtualization protocol is true?

- A. It is IP-based functionality that provides Layer 3 extension over any transport.
- B. The data plane exchanges MAC reachability info.
- C. The control plane protocol is IS-IS.
- D. It supports FCoE.

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**Answer: C**

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**Question: 12**

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What is one example of a fully virtualized environment in the data center?

- A. Hadoop clusters
- B. VDI
- C. vPC
- D. VSAN

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**Answer: B**

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**Question: 13**

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Which option is an advantage of utilizing hypervisor technology within a Cisco Unified Fabric data center environment?

- A. distributed load processing
- B. availability of blade versus rack-mountable servers
- C. reduced power and cooling requirements
- D. integrating the virtual machines into the access layer

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**Answer: A**

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**Question: 14**

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Which option is a recommended practice when migrating from an existing data center to a new data center?

- A. Assign multiple virtual servers per one high-performance server.
- B. Utilize the hypervisor tools available to ensure processor compatibility.
- C. Only migrate bare metal servers when transitioning from rack-mountable to blade servers.
- D. Utilize FabricPath across data centers to manage the migration.

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**Answer: B**

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**Question: 15**

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When migrating to a Cisco Unified Fabric data center network, which transitions will you expect to see?

- A. rack-mountable to blade servers
- B. physical to virtual machines
- C. Fibre Channel to FCoE
- D. iSCSI to NAS

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**Answer: C**

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