



300-160^{Q&As}

Designing Cisco Data Center Computing

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QUESTION 1

Which three port type configurations does a Fabric Interconnect port that is set to Fibre Channel mode support? (Choose three.)

- A. Ethernet uplink
- B. Fibre Channel uplink
- C. Fibre Channel storage
- D. server
- E. SPAN source / destination
- F. FCoE
- G. appliance

Correct Answer: BCE

QUESTION 2

Which two platforms support the FCoE protocol? (Choose two)

- A. Cisco MDS 9148S Series
- B. Cisco MDS 9222i series
- C. Cisco Nexus 2332TQ Series
- D. Cisco nexus 7010 series
- E. Cisco Nexus 2248TP series

Correct Answer: CD

QUESTION 3

Which tool, previously known as Cisco Fabric Manager, would you use in a data center to help manage unified fabrics with SAN connectivity?

- A. Cisco ANM
- B. Flexible NetFlow
- C. Cisco Prime LMS
- D. Cisco Prime DCNM for LAN
- E. Cisco Prime DCNM for SAN



F. Cisco VNMC

Correct Answer: E

QUESTION 4

What documents are not typically an output that is deliverable from the design phase?

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

Correct Answer: C

QUESTION 5

You are designing a data center that will use Cisco Unified Fabric. You must select a switch for the access layer. The switch must support 10-Gbps optical connections. Which type of Cisco Nexus switch must you select?

- A. 2248TP
- B. 7010
- C. 1000V
- D. 9000
- E. 5548UP

Correct Answer: C

QUESTION 6

Which data center virtualization option allows each partition to specify a different set of administrators and maintains its all own unique configuration and set of running software process?

- A. VRF
- B. VDC
- C. 100v VEM
- D. vPC

Correct Answer: B



QUESTION 7

You are designing a large-scale, multitenant data center. Which two features provide each tenant with the ability to manage its own IP services at the aggregation layer? (Choose two.)

- A. Cisco Nexus 7000 Series OTV
- B. Cisco Nexus 7000 Series RBAC
- C. Cisco ASA VRF tables
- D. Cisco Nexus 7000 Series VDCs
- E. Cisco ASA security contexts

Correct Answer: AD

QUESTION 8

Which access-layer device is capable of low-latency 40 Gb Ethernet switching?

- A. Cisco Nexus 5596UP
- B. Cisco Nexus 4000
- C. Cisco Nexus 3016
- D. Cisco Nexus 2232
- E. Cisco Nexus 2248

Correct Answer: C

QUESTION 9

Which two options are reasons to use Layer 3 routing to segment a data center instead of Layer 2 switching? (Choose two)

- A. limit the scope of Spanning Tree Protocol
- B. simplify design
- C. ease of routing protocol configuration
- D. limit the scope of broadcast flooding
- E. cost

Correct Answer: CD

QUESTION 10



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.

Correct Answer: B

QUESTION 11

Instructions ✕

THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.
To access the multiple-choice questions, click on the numbered boxes on the left of the top panel. There are four multiple-choice questions with this task. Be sure to answer all four questions before selecting the **Next** button.

Scenario ✕

While running the Hardware Library wizard, you gather the attached images. Answer the questions from the provided information gathered.

Hardware Library Wizard

Summary

- Choose Scenario
- Hardware Configuration
- Infrastructure
- CPU
- Storage
- Network and Memory
- Summary**

Review your choices and the summary of actions to be performed

SAVING HARDWARE CONFIGURATION: B200M2-64

PROCESSOR

- Manufacturer/Model : Intel/Xeon X5650
- Processor Speed (GHz) : 2.67
- Number of Physical Processors : 2
- Cores per Processor : 6
- Hyperthreads per Core : 2
- L2 Cache Size (KB) : 1792
- L3 Cache Size (KB) : 12288
- Bus Speed (MHz) : 1066

MEMORY

- Amount of Memory (GB) : 64.00

NETWORK

- Total Network Throughput Available for Guests (Mbps) : 20000



Server Virtualization and Consolidation Wizard



Summary

Virtualization Technology
Hardware Configuration
Utilization Settings
Choose Computers
Computer List
Summary

Review your server consolidation placement recommendation settings:

Virtualization Technology Selected : Windows Server 2008 R2 SP1 Hyper-V

PROCESSOR
- Manufacturer/Model : Intel/Xeon X5650
- Processor Speed (GHz) : 2.67
- Number of Physical Processors : 2
- Cores per Processor : 6
- Hyperthreads per Core : 2
- L2 Cache Size (KB) : 1792
- L3 Cache Size (KB) : 12288
- Bus Speed (MHz) : 1056

MEMORY
- Amount of Memory (GB) : 64.00

NETWORK
- Total Network Throughput Available for Guests (Mbps) : 20000

UTILIZATION RATE
- Processor : 85%
- Memory : 85%
- Storage Capacity : 85%
- Storage IOPS : 85%
- Network Throughput : 85%

Computers Identified for Placement : 65

Opn. Summary

Operation Summary

Categories	Count
Number of devices discovered	453
Number of devices that have performance counters and inventory data collected successfully	65
Number of devices that failed to collect performance data or inventory data	388
Number of devices requested for Server Consolidation	65
Number of devices that are placed into a host successfully	65
Number of devices that cannot be placed into a host	0
Number of hosts required	11

Plac. Summary

Consolidation Placement Summary

Consolidation Summary on Hosts

Host Name	CPU Utilization (%)	Memory Utilization (MB)	IOPS	Disk Space Utilization (GB)	Network Throughput (MB/s)	Number of Virtual Machines Hosted
Host1	7.01	53265.15	133.97	177.10	2.44	4
Host2	16.51	53191.68	123.68	331.28	0.92	6
Host3	10.96	55464.78	1071.05	876.89	1.69	8
Host4	8.24	52432.04	155.85	914.61	0.34	3
Host5	10.20	53622.07	228.54	1351.51	0.83	4
Host6	7.98	53218.93	142.05	1137.77	0.20	5
Host7	11.34	53420.86	144.23	1070.20	0.36	9
Host8	6.63	53315.79	163.11	844.18	0.36	3
Host9	12.72	52808.80	92.79	882.97	2.91	5
Host10	11.65	53583.33	16.80	200.96	0.76	3
Host11	7.96	33068.61	87.58	429.77	0.12	15



Give the above configuration example answer the following question. What is the number of Core Processors installed?

- A. 1
- B. 2
- C. 4
- D. 6

Correct Answer: B

QUESTION 12

Which two actions are performed at the aggregation layer? (Choose two.)

- A. route summarization
- B. fast convergence
- C. packet filtering
- D. traffic classification
- E. port security

Correct Answer: AB

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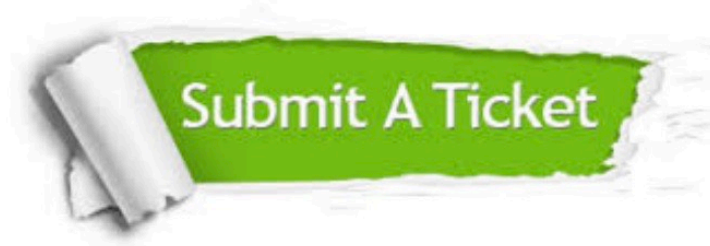
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