642-998^{Q&As}

Designing Cisco Data Center Unified Computing

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QUESTION 1

Which two devices operate only at OSI Layer 2? (Choose two.)

A. Cisco Nexus 7010

B. Cisco Nexus 5548

C. Cisco Nexus 5596

D. Cisco Nexus 5020

E. Cisco Nexus 3016

F. Cisco Nexus 2248

Correct Answer: DF

QUESTION 2

Which two important benefits result from deploying Cisco Catalyst 4948 Switches in a top-of-rack access layer design? (Choose two.)

A. increased fault tolerance

B. improved server density

C. improved power distribution

D. simpler logical density

E. simpler logical topology

Correct Answer: CE

QUESTION 3

Which four options are important points within the Cisco UCS design? (Choose four.)

A. preferred MAC address format

B. preferred guest operating systems

C. DNS configuration

D. preferred WWPN format

E. service profile naming conventions

F. preferred backup strategy

G. Cisco IMC IP addressing range

H. ESX host IP addressing

Correct Answer: ADEG

QUESTION 4

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 perfor

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) : 1066

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

Plac. Summary

☐ Consolidation Placement Summary

Consolidation Summary on Hosts

Host Name	CPU Utilization (%)	Memory Utilzation (MB)	IOPS	Disk Space Utilzation (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	123.63	331.28	0.92	6
Host3	10.96	55464.28	1021.05	826.89	1.69	8
Host4	8.24	52432.04	155.85	914.61	0.34	3
Host5	10.20	53622.07	228.54	1351.51	0.85	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 5

Which three items represent data center virtualization technologies? (Choose three.)

A. VDC

B. VSAN

C. LUN

D. L2 firewall

E. GLBP

F. ECMP

Correct Answer: ABC

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