642-998^{Q&As}

Designing Cisco Data Center Unified Computing

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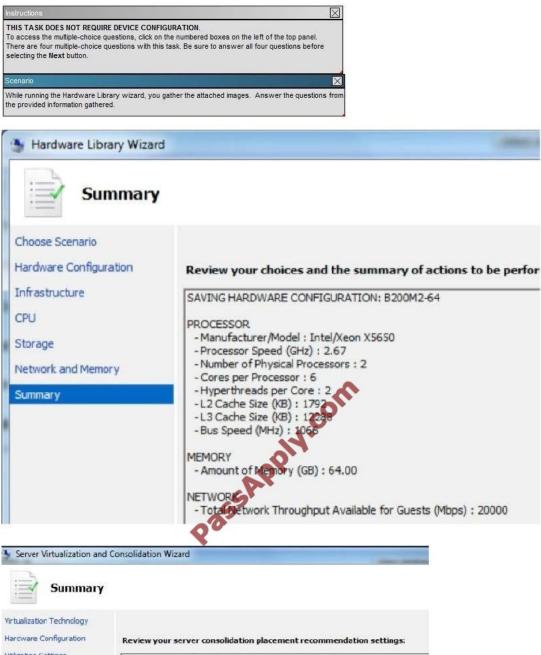
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QUESTION 1

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

Correct Answer: A

QUESTION 2

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 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	123.63	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 3

Which additional functionality does NetFlow provide?

A. device configuration management

B. enhanced network anomaly and security detection

C. drop anomaly IP

D. disable Cisco Discovery Protocol per interface

Correct Answer: B

QUESTION 4

Which three options are major reasons to export NetFlow data in v9 format rather than v5? (Choose three.)

A. IPv6 and MPLS field support

B. well-known fixed field definitions

C. fields for Layer 2 NetFlow

D. Version 9 exports are template-based.

E. Multicast flows are supported in v9 only.

F. support for sampled NetFlow

G. IPv4 and IPv6 flow statistics can be combined in the same export.

H. NetFlow v9 supports more granular aging timers.

Correct Answer: ACD

QUESTION 5

Which five options are Cisco UCS hardware components? (Choose five.)

A. UCS Manager

B. Nexus 1000v

C. Fabric Interconnect

D. Cisco IMC

E. Fabric Extender or IOM

F. Blade Server Chassis

G. Server Adapter

H. VM-FEX

Correct Answer: ACEFG

QUESTION 6

Which three features are included in Cisco Prime NAM for Cisco Nexus 1010 Virtual Services Appliance? (Choose three.)

A. packet capture

B. packet decode

C. filter and error scan

D. configure virtual machine

E. configure Cisco UCS Manager

Correct Answer: ABC

QUESTION 7

Which two views from the Device Manager in Cisco Prime Data Center Network Manager provide a graphical view of Cisco devices? (Choose two.)

A. Device

B. Configuration

C. Log

D. Ports

E. Summary

Correct Answer: AE

QUESTION 8

Which term is synonymous with offloading network I/O processing from the hypervisor to a physical switch ASIC?

A. VM-FEX

B. NPIV

C. Adapter-FEX

D. NIV

E. host vPC

F. NIC teaming

Correct Answer: A

QUESTION 9

Which option is a major advantage of using FabricPath in a data center?

A. It allows FCoE to run over the fabric.

B. Servers can be dual-attached to the network in an active/active fashion.

C. It provides optimized Layer 2 boundaries between segments.

D. It supports equal-cost multipath forwarding.

Correct Answer: D

QUESTION 10

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 11

In which Ethernet operational mode does a Cisco UCS Fabric Interconnect allow multiple Layer 2 uplinks, where pinning is required?

A. end-host mode

B. switching mode

C. server-to-server pinning mode

D. spanning-tree collapsed mode

Correct Answer: A

QUESTION 12

Which technology provides the least amount of input to the data center solution requirements?

A. cloud compute

B. storage

C. desktop

D. network

Correct Answer: A

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