



Exam : E20-840

Title : Storage Management Expert Exam for
Technology Architects

Ver : 11-14-2008

QUESTION 1:

DRAG DROP

It is required of you to determine network latency between ControlCenter components, during the designing process of a ControlCenter infrastructure for Certkiller .com.

Match the maximum latency with requirements.

Requirements, select from these

8 ms	15 ms
50 ms	100 ms
20 ms	

Definitions

Requirements, place here

WebConsole	Place here
Jave Console Latency	Place here
Agent Latency (Monitoring)	Place here
Agent Latency (Management)	Place here
Between Server, Store, Store_Repository	Place here

Answer:

Definitions

Requirements, place here

WebConsole	50 ms
Jave Console Latency	15 ms
Agent Latency (Monitoring)	200 ms
Agent Latency (Management)	100 ms
Between Server, Store, Store_Repository	8 ms

Explanation:

QUESTION 2:

After a consultative interview with Certkiller .com, where they expressed the desire to employ ControlCenter for all reporting, you discover a limitation of the ControlCenter StorageScope API that will prevent certain reporting from being processed. Which report is excluded from the information provided by the StorageScope API?

- A. File Systems to Storage Array Mappings.
- B. Oracle Database to Storage Array Mappings.
- C. Host-to-Storage End-to-End SAN Mappings.

D. Host-to-Storage End-to-End NAS Mappings.

Answer: D

QUESTION 3:

Certkiller .com wants ControlCenter to monitor the percentage of free space on all the Logical Volumes of their Windows servers. The monitoring frequency should be 15 min, with a Critical alert triggering only if the drive has been at 70% full for at least one hour and immediately for a Fatal alert at 90% full. Which of the following would you recommend in this situation?

- A. Two alert definitions: One monitoring for the Critical condition and the other for the Fatal Condition.
- B. One alert definition with appropriate evaluation conditions.
- C. One alert definition with a Management Policy that will meet Certkiller .com requirement.
- D. One alert definition with two Management Policies.

Answer: B

QUESTION 4:

Certkiller .com is in the process of purchasing ControlCenter. They would like their ControlCenter Infrastructure server to be replicated to their continuance of operations site, using SRDF. To achieve this, which SVC groups must be consulted to obtain full approval?

- A. The SVC BC, because they can approve both SRDF and ControlCenter qualifiers.
- B. The SVC, because they can approve both SRDF and ControlCenter Qualifiers.
- C. No SVC consultation is necessary if the account team emails the architect stating they have obtained prior approval from their district manager.
- D. The SVC and the SVC BC.

Answer: D

QUESTION 5:

Certkiller .com has expressed interest in deploying an agent to manage and monitor their Novell hosts. If they have 3 Novell Directory Services (NDS) trees, which of the following would be an accurate statement when deploying the Host Agent for Novell?

- A. You must deploy one Host Agent for Novell to manage the 3 NDS trees.
- B. ControlCenter does not support Novell.
- C. You must deploy one Host Agent for Novell per NDS tree.
- D. You must deploy a primary and back-up/secondary agent to manage the 3 NDS trees.

Answer: C

QUESTION 6:

Certkiller .com's signature is needed on which three of the following documents? (Choose three)

- A. Qualifier.
- B. Configuration Guide.
- C. Statement of Work.
- D. Test and Acceptance Plan.

Answer: B,C,D

QUESTION 7:

You need to design a complex EMC SAN migration at Certkiller .com. They already have 2 Cisco MDS 9509 switches and a Hitachi 9900V array. They have decided to purchase two DMX2000P arrays along with ControlCenter from EMC, as they are unhappy with the performance of the current array. They want you to perform a migration from the Hitachi array to the EMC array, and as you perform an assessment of their storage environment, you realize they are using aliases on their Cisco switches. What should you do?

- A. Recommend ABC replace the Cisco supervisor module with an anti-aliased module.
- B. Remove the aliases.
- C. Change the aliases to something more standardized before the migration begins.
- D. Ignore the aliases. ABC can continue to use the SAN in the same way.

Answer: B

QUESTION 8:

Certkiller .com would like to consolidate the StorageScope data of three ControlCenter installations, in one site. What would you recommend regarding capacity planning at their main site?

- A. There is nothing to consider, all data is stored locally in each StorageScope installation.
- B. There is nothing to consider, all data is stored locally in each ControlCenter installation.
- C. Have enough space available to accommodate the space used by all reports stored on the master site.
- D. Have enough space available to accommodate the space used by the reports stored in each location.

Answer: C

QUESTION 9:

What is the level of support Certkiller .com can expect to receive from EMC, if they are planning to integrate ControlCenter into a third party framework application that is not listed as being supported in the ControlCenter Support Matrix?

- A. Full support can be expected.
- B. They can receive support concerning trap generation.
- C. An RPQ and SVC approval are required for support.
- D. Certkiller .com will receive no support for framework integration.

Answer: B

QUESTION 10:

Which solution can Certkiller .com employ if they want to charge for array device utilization based on the device type and protection?

- A. StorageScope Host Utilization Reports.
- B. EMC VisualSRM Chargeback Summary Reports.
- C. External reporting tool accessing StorageScope API.
- D. StorageScope Chargeback Reports.

Answer: C

QUESTION 11:

For a ControlCenter review and validation by the Solutions Validation Center (SVC), which two documents are vital? (Choose two)

- A. Statement of Work (SOW)
- B. Scope
- C. Qualifier
- D. Work Breakdown Structure

Answer: A,C

QUESTION 12:

You have designed a ControlCenter configuration for a client. The implementation specialist calls you while they are on site and says that they are unable to discover the ED140M switches in ControlCenter. They can, however, see them in Connectrix Manager. What is the possible source of this problem?

- A. DSM-Connect is not installed on the Connectrix Service Processor.
- B. Symmwin is not installed on the Connectrix Service Processor.
- C. The EOS version of firmware needs to be upgraded on the switches.
- D. Fibrezone Bridge is not installed on the Connectrix Service Processor.

Answer: D

QUESTION 13:

Certkiller .com is increasing their environment from 2 to 4 medium sized CLARiiON arrays, for which they currently have one Storage Agent. Which ControlCenter design change is required for this to be achieved?

- A. Add additional CLARiiON agents for the growth.
- B. Add more servers for additional agents and more memory to the existing servers.
- C. Modify the CLARiiON WLA DCP's from 15 to 20 minutes.
- D. Install a second infrastructure to handle the growth.

Answer: C

QUESTION 14:

Certkiller .com has an infrastructure environment with 100 AIX Servers (with a mixture of DB2 and 64 bit Oracle databases), 100 Solaris Servers (with a mixture of Sybase and Oracle databases), 100 Windows Servers (with SQL and Exchange databases), 100 Linux Servers (with Oracle databases) and 3 Z/OS Mainframe Servers. They also have about 1024 ports in a Brocade SAN, as well as the following four tiers of storage:

Tier 1 - RAID 1 on Symmetrix
Tier 2 - RAID 5 on CLARiiON
Tier 3 - Archive to Centera
Tier 4 - Backup to Tape Libraries

Considering the above environment, which are possible operations that can be executed?

- A. Discovery, monitoring and performance of SQL databases with proxy agents.
- B. Discovery, monitoring and reporting of SQL databases with Common Mapping agents.
- C. Discovery, monitoring and performance of SQL databases with the SQL agent.
- D. SQL databases cannot be discovered.

Answer: B

QUESTION 15:

You are required to integrate the monitoring of storage resources for Certkiller .com's environment that currently consists of four DMX 2000P arrays, two Cisco MDS 9000 core switches and four Cisco 9216 edge switches. They are using ControlCenter and are also considering a Disaster Recovery site. Which would the ideal product be to best

monitor their storage resources?

- A. SAN Advisor.
- B. VisualSRM.
- C. Cisco Fabric Manager.
- D. CA Unicenter.

Answer: D

QUESTION 16:

ControlCenter installed in a single host infrastructure configuration, residing on a host that has dual 3 GHz processors, 2GB of RAM, and 50 GB of available storage, manages Certkiller .com's environment. This environment consists of 2 Symmetrix Arrays (each with 1000 Logical Volumes and 2000 Front End Mappings), 2 ED-140M directors (fully populated with ports) and 100 Open Systems Hosts(all with dual paths). What would you advise, if they want to install the web console on the ControlCenter server?

- A. This is a valid configuration. The Web Console can reside on this host with the ControlCenter infrastructure components.
- B. This is not a valid configuration. To install the Web Console on the infrastructure server needs to have more RAM.
- C. This is not a valid configuration. To install the Web Console on the infrastructure server needs to have more and faster processors.
- D. This is not a valid configuration. To install the Web Console on this server needs to have more available storage.

Answer: B

QUESTION 17:

When designing a ControlCenter implementation that will contain M-Series departmental switches, which components have to be included?

- A. SanAgent, Connectrix Manager, FibreZoneBridge
- B. SanAgent, DSMConnect, FibreZoneBridge
- C. DSMConnect, Connectrix Manager, FibreZone Bridge
- D. DSMConnect, SAN Manager, FibreZoneBridge

Answer: D

QUESTION 18:

Certkiller .com utilizes ControlCenter to monitor and alert on their storage infrastructure. Which two things do they need to know to do the same on a recently obtained and installed Centra Compliance Edition Plus array? (Choose two)

- A. That a Centera Compliance Edition Plus array cannot be managed by ControlCenter.
- B. That a Storage Agent for Centera needs to be deployed.
- C. That discovering and monitoring a Centera is not supported by ControlCenter.
- D. That a Centera viewer profile with monitoring capabilities needs to be created.

Answer: B,D

QUESTION 19:

Certkiller .com wants to have performance reporting for their Oracle environment, which consists of a Solaris server directly attached to an HDS array. What else, in addition to Performance Manager, is necessary for this to be achieved?

- A. SAN Advisor
- B. Navisphere
- C. StorageScope
- D. Symmetrix Manager

Answer: C

QUESTION 20:

Which two measures can be taken to limit unauthorized access to the Storage Agent for Symmetrix on the storage system, after Certkiller .com expresses concern about it? (Choose two)

- A. Configure SYMACL and SYMAPI Server to limit host management access to the array.
- B. Install the agent on the Symmetrix Service Processor.
- C. Limit the number of the Storage Agent for Symmetrix deployed.
- D. Install agent on a private management network isolated from the main LAN.

Answer: A,D

QUESTION 21:

An alert is configured to automatically trigger an autofix if a set of Symmetrix devices, which is monitored in ControlCenter, exceeds 10 000 reads/second. Which of the following explains how an alert and autofix is performed?

- A. Alert executes an internal ControlCenter system call. Alert then notifies the SYMAPI process and emails the administrator. Scripts are used to run the autofix process.
- B. The autofix process is run, creates an alert, emails the administrator that it is complete, performs its fix function, then performs a notification function.
- C. An email is created by ControlCenter, which calls the autofix process. Autofix then

alerts ControlCenter's agent process, via SYMAPI.

D. An alert is generated at the ControlCenter alert console, then an autofix is executed.

Answer: D

QUESTION 22:

At a site where VisualSRM has been deployed and VisualSRM agents have been installed on 100 hosts, Certkiller .com wants to minimize the disk space used by VisualSRM on some of the Agent Hosts. What would you recommend they do?

- A. Reduce the trend data retention period.
- B. Schedule all file scan policies to run concurrently.
- C. Schedule all file scan policies to run sequentially.
- D. Use the streaming option for file scan policies.

Answer: D

QUESTION 23:

During a consultative interview, Certkiller .com indicates that they want reports on array allocation and host filesystems utilization. They also require the reports to be accessible via a browser, and granular access by username and by report must be enforced. The EMC sales team plans to supply them with ControlCenter, ControlCenter StorageScope File Level Reporter (FLR), and the Multisource Database. In addition to the ControlCenter Infrastructure, which set of components will provide a solution that caters to Certkiller .com's needs?

- A. ControlCenter Array Agents, EMCCConnect, Crystal Reports Enterprise, Multisource Database.
- B. ControlCenter Host Agents, ControlCenter Array Agents, FLR Infrastructure, FLR Host Agents, StorageScope Layouts, FLR Web Console.
- C. ControlCenter Host Agents, ControlCenter Array Agents, FLR Infrastructure, FLR Host Agents, Crystal Reports Enterprise.
- D. ControlCenter Host Agents, ControlCenter Array Agents, FLR Infrastructure, FLR Host Agents, EMCCConnect, Multisource Database.

Answer: C

QUESTION 24:

Navisphere is used in a datacenter for monitoring and managing two CLARiiON CX500s. The datacenter manager wishes to set the security level for his storage administrator so that she can make changes to the array configuration and allocate storage as it is required. There are, however, other activities that the manager does not want her to perform, such as creating or deleting users. Which role should be assigned to

her within Navisphere?

- A. Manager
- B. Administrator
- C. Monitor
- D. Operator

Answer: A

QUESTION 25:

All the Celerras in a Data Center are presently monitored via ControlCenter. Certkiller .com has expressed a concern that some Celerra events seen in Celerra Manager are displayed in ControlCenter while others are not, even though all the ControlCenter Celerra Alerts are enabled. After identifying the specific events that do not appear in ControlCenter, what would your recommended solution be?

- A. Modify the Celerra MIB to include the trap definitions for these events and compile it on the ControlCenter Server and the Control Station.
- B. Setup the Control Station and the ControlCenter Server as SNMP Trap destinations.
- C. Configure the Celerra Control Station to generate an SNMP trap when the events occur.
- D. Modify the Celerra MIB to include the trap definitions for these events on the Control Station and setup the Control Station as an SNMP trap destination.

Answer: C

QUESTION 26:

If Certkiller .com wants you to add custom defined fields to the ControlCenter database for Asset tracking, how would you define these fields?

- A. By means of an ODBC connection to the database.
- B. By Use the Administration section on the StorageScope interface.
- C. Via XML import into the ControlCenter Repository.
- D. By going directly into the console by right clicking the object.

Answer: C

QUESTION 27:

Certkiller .com needs to implement a solution for storage reporting so that reports on allocation, utilization, and performance can be received. Which components are needed to provide a report that compares performance and capacity information in a single table format?

- A. StorageScope API, Crystal Reports
- B. StorageScope Layout, Custom fields
- C. Custom StorageScope Layouts, StorageScope API, Multisource Database
- D. StorageScope API, Crystal Reports, Multisource Database

Answer: D

QUESTION 28:

Which EMC software can Certkiller .com use as a starting point, to collect information about the total number of times an application service has failed in the last seven days?

- A. StorageScope default layouts.
- B. StorageScope API.
- C. ControlCenter Alerts.
- D. VisualSRM default reports.

Answer: C

QUESTION 29:

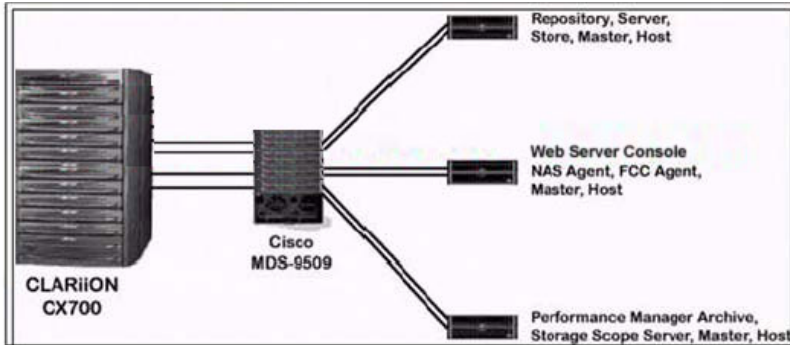
Certkiller .com is planning a host based migration from a Symmetrix, to a new DMX. ControlCenter is being implemented to manage and monitor the DMX, but will not have connectivity to the older Symmetrix. Critical data is on the source array that has no dial home capability. Certkiller .com do, however, want to be able to monitor the source array during the migration process. They will not permit any ControlCenter agents to be deployed on servers attached to the source array and there are also no switch or FA ports available. Which is a method you would recommend for the monitoring of the source array during the migration?

- A. Configure ControlCenter to monitor the source Symmetrix via proxy.
- B. SNMP be enabled on the Service Processor on the source Symmetrix.
- C. Develop custom scripts for monitoring the Symmetrix.
- D. Build a temporary server, connect it to the source Symmetrix and install the proper ControlCenter agents.

Answer: A

QUESTION 30:

Exhibit:



It is requested of you to assist an architect with the design of a complex storage environment. After reviewing the first draft of the design, you find a problem in the ControlCenter agent placement details. What could the cause of this problem be?

- A. Master agents are installed on all infrastructure hosts.
- B. Host agents are installed on all infrastructure hosts.
- C. FCC agent and Storage Agent for NAS are on the same server.
- D. Repository, server, and store are all on the same server.

Answer: C

QUESTION 31:

While discussing agent deployment requirements with Certkiller .com, you are informed that they have Novell hosts which they want you to discover in ControlCenter. Which of the following is an accurate statement?

- A. You require a Windows host that can communicate with the Novell servers for it to be monitored and managed.
- B. You require a Solaris host that can communicate with the Novell servers for it to be monitored and managed.
- C. You require a Novell server to install the Host Agent for Novell.
- D. Novell is not supported by ControlCenter.

Answer: A

QUESTION 32:

Certkiller .com wants to utilize the Alerts History View, for the examination of performance alerts that have already been cleared. What data is displayed in the Alerts History View for ControlCenter 5.2 SP3?

- A. Only the time and severity are recorded each time the alert changes severity.
- B. Only the time and metric value are recorded for the alert's highest observed severity.
- C. Only the time is recorded when the alert first triggers, and when the alert clears.
- D. Only the time, severity, and metric value are recorded each time the alert changes severity.

Answer: A

QUESTION 33:

At a Certkiller .com site, where ControlCenter has been deployed, all the hosts, arrays and switches to be managed, have been discovered. They would like to be alerted if any new hosts, arrays or switches are discovered in ControlCenter. Which would be a recommended solution?

- A. Ensure the "MO Has Been Added/Removed by User" alert is enabled.
- B. Ensure the "MO Count Exceeded" alert is enabled.
- C. Create rules to prevent unauthorized users from adding new objects.
- D. Schedule StorageScope nightly report which compares objects managed by ControlCenter.

Answer: A

QUESTION 34:

Certkiller .com site has a large base of EMC Storage products installed. On-site EMC residents are responsible for day-to-day storage administration tasks.

There have been numerous complaints recently from end users, saying that storage, on which they had live data, had been deallocated from systems without notification. All storage manipulation requests are currently sent to the EMC residents via email request, and are stored for reference purposes in case questions arise regarding it. What needs to be done to avoid similar problems from occurring in the future?

- A. Advise Certkiller .com that the residents should have root access to all servers so that they can monitor system level device utilization.
- B. Establish a change review board to verify all storage manipulation requests.
- C. Stipulate that EMC residents will not perform storage deallocation activities.
- D. Monitor devices through performance manager for several days prior to implementing changes to ascertain whether or not they are actively being used.

Answer: B

QUESTION 35:

At a site, All Oracle instances are found in ControlCenter. Some are directly monitored by the Database Agent for Oracle, while others are monitored via proxy. Certkiller .com is complaining that ControlCenter is not reporting the SID Down alert when some of the Oracle instances go down, even though the SID Down alert definition is enabled, the "Apply this alert to all applicable DB Instances" has been checked and all the Oracle Agents are up. Which procedure would you advise them to take?

- A. Change the frequency of the SID Down alert from 5 min to 10 min.
- B. Disable the SID Down alert and use Oracle Enterprise Manager instead.
- C. Set up a Management policy for the SID Down Alert.
- D. Use the "Instance Not Accessible" alert for the instances monitored via proxy.

Answer: D

QUESTION 36:

Certkiller .com wants to use VisualSRM to scan, trend, and report on their whole environment, every day. Unfortunately, according to the VisualSRM Performance and Scalability Guidelines, the environment is too large to be supported. To bring the solution back into support, what change can be made to the scope?

- A. Calculate trending only every other day.
- B. Run trend reports only once a week.
- C. Scan fewer file objects.
- D. Filter reports to reduce the amount of output.

Answer: C

QUESTION 37:

Certkiller .com has three separate ControlCenter infrastructures in New York, London, and Singapore. They want to consolidate and automate the StorageScope web reports, generated from London and Singapore, to New York. Which of the following would perform this task for them?

- A. Enable StorageScope multi-site reporting at the remote sites in London and Singapore
- B. Enable StorageScope multi-site reporting at the master site in New York
- C. Enable StorageScope multi-site reporting at all three sites
- D. This is not supported in StorageScope

Answer: B

QUESTION 38:

Certkiller .com wants their Symmetrix and CLARiiON storage arrays to be integrated into ControlCenter. Which installation is recommended to discover the arrays, if they want to test the functions of the Storage Management Initiative Standards?

- A. Storage Agent for Symmetrix, SDM Agent and Storage Agent for CLARiiON
- B. Storage Agent for Symmetrix and CLARiiON on an Agent Host
- C. Solution Enabler CIMOM Provider and the SMI-S Agent
- D. SMI-S Agent and Solution Enabler from the Console on an Agent Host

Answer: C

QUESTION 39:

Certkiller .com wants to receive reports on array allocation, host filesystems utilization, and multimedia files such as mpeg or wav files. Furthermore, they require the reports to be accessible via a browser by the Storage management team.

The EMC sales team is providing Certkiller .com with ControlCenter, ControlCenter StorageScope File Level Reporter (FLR), and the Multisource Database. Which group of components will satisfy these requirements best?

- A. ControlCenter Infrastructure, ControlCenter Array Agents, FLR Infrastructure, Multisource Database
- B. FLR Infrastructure, FLR Host Agents, Crystal Reports Enterprise, Multisource Database
- C. ControlCenter Infrastructure, ControlCenter Host Agents, ControlCenter Array Agents, FLR Infrastructure, FLR Host Agents
- D. ControlCenter Infrastructure, ControlCenter Host Agents, ControlCenter Array Agents, Crystal Reports Enterprise, Multisource Database

Answer: C

QUESTION 40:

Certkiller .com wants the percentage of free space on all the Logical Volumes on their Windows servers, to be monitored by ControlCenter at a frequency of 15 min. A Critical alert must trigger only if the drive has been at 70% full for at least one hour, and a Fatal alert should trigger immediately at 90% full. What would you suggest for this to be accomplished?

- A. One alert definition with two Management Policies.
- B. One alert definition with a Management Policy that will meet Certkiller .com requirement.
- C. One alert definition with appropriate evaluation conditions.
- D. Two alert definitions: One monitoring for the Critical condition and the other for the Fatal Condition.

Answer: C

QUESTION 41:

Certkiller .com, who has 12 Celerras, is receiving an overloaded agent alert. What could the reason for the problem be, if the CPU on the host with the Storage Agent for NAS is showing only 10% utilization?

- A. Undersized host for the Storage Agent for NAS.
- B. Excessive data collection.
- C. The LoadBalancer Count parameter is not properly set.
- D. Insufficient network bandwidth.

Answer: C

QUESTION 42:

Certkiller .com requires special fields, such as "Asset ID" and "Lease Expiration Date", to be shown in StorageScope Array based reports. Where would you suggest the fields be defined?

- A. XML file and import the definitions into ControlCenter through the Console.
- B. SQL Script and upload them into the ControlCenter Repository.
- C. ControlCenter Console using the Reports - Define Custom Fields menu choice.
- D. XML file and import the definitions into ControlCenter through the StorageScope Web Interface.

Answer: A

QUESTION 43:

Certkiller .com wants to enhance their configuration management tracking capabilities with information from ControlCenter, but their process also entails the tracking of asset tags, asset location, and original purchase price. This information is currently found in an accounting database with no access. Which of the following would satisfy their requirements?

- A. Modify the data via the StorageScope and StorageScope FLR API's.
- B. Import the ControlCenter Information into the accounting database.
- C. Customer defined fields in the ControlCenter Repository.
- D. Custom Reports and pull information from the accounting database.

Answer: C

QUESTION 44:

On their storage infrastructure, Certkiller .com uses ControlCenter to monitor and alert, and would also like to use it for this purpose on a newly acquired and deployed Centera Compliance Edition Plus array. Which two things do they need to know to accomplish this? (Choose two)

- A. Discovering and monitoring a Centera is not supported by ControlCenter
- B. A Centera viewer profile with monitoring capabilities needs to be created
- C. A Centera Compliance Edition Plus array cannot be managed by ControlCenter

D. A Storage Agent for Centera needs to be deployed

Answer: B,D

QUESTION 45:

Which of the following ControlCenter agents can NOT exist outside of a NAT firewall?

- A. WLA Archiver
- B. CLARiiON Agent
- C. Common Mapping Agent
- D. Oracle Database Agent

Answer: A

QUESTION 46:

Certkiller .com has 4 Symmetrix Arrays, 10 CLARiiON Arrays, 2 Cisco Switches, and 125 Open systems Hosts in their environment. ControlCenter StorageScope File Level Reporter (FLR) Agents, ControlCenter Master Agents and ControlCenter Host Agents are deployed to all 125 open system hosts. Which tools should be used to generate an Excel spreadsheet, containing storage allocation by host information, automatically?

- A. Basic StorageScope Layout.
- B. Custom StorageScope Layout with filtering.
- C. Excel spreadsheet with the StorageScope FLR API.
- D. Custom report program using the StorageScope API.

Answer: D

QUESTION 47:

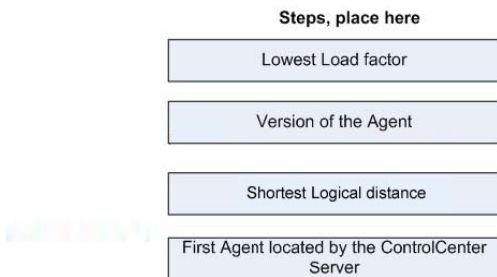
DRAG DROP

Certkiller .com is implementing ControlCenter to manage their environment, where there are 10 DMX2000, 8 CX700 and numerous switches installed. They are concerned about the availability of Agents and make inquiries regarding load balancing.

What is the order for load balancing Agents?

Steps, Select from these	Steps, place here
Lowest Load factor	Place 1st here
Version of the Agent	Place 2nd here
Shortest logical distance	Place 3rd here
First Agent located by the ControlCenter Server	Place 4th here

Answer:



QUESTION 48:

A small business customer has recently constructed a SAN, which consists of 2 CX700, 8 open system hosts and 2 DS16B switches, to consolidate their data. If Certkiller .com wants to manage all the equipment on their SAN centrally, which management toolset would you recommend?

- A. VisualSRM
- B. EMC ControlCenter
- C. HP OpenView Storage Data Protector
- D. Navisphere Suite

Answer: B

QUESTION 49:

In ControlCenter, what are the three main categories of alerts? (Choose three)

- A. Utilization
- B. Health
- C. Capacity
- D. Status
- E. Security
- F. Performance

Answer: B,C,F

QUESTION 50:

In ControlCenter, which tasks are possible on a HDS 9980v using a minimum of HiCommand 3.5?

- A. Create LUN and CHIP Settings
- B. LUN mapping and LUN masking
- C. LUN mapping and CHIP Settings
- D. LUN masking and Create LUN

Answer: D

QUESTION 51:

With the end of the quarter approaching, Certkiller .com is preparing to upgrade their version of ControlCenter to the next major release and the account team wants it to be performed as soon as possible. What must be done for this to be achieved in accordance with EMC Policies and Procedures?

- A. Just submit a CCA and proceed with the implementation after gaining approval.
- B. Since this is only an upgrade, the activity can be performed with no additional documentation.
- C. The architect can update the account's PDG with the new software version information and then the installation can proceed.
- D. Submit a new qualifier and supporting documents to the SVC for approval.

Answer: D

QUESTION 52:

Certkiller .com would like to install a dedicated Storage Agent for Symmetrix server, on a Sun Solaris server. What is the minimum configuration recommended?

- A. Two 500 MHz CPU's and 2 GB RAM.
- B. One 500 MHz CPU and 1 GB RAM.
- C. Two 500 MHz CPU's and 512 MB RAM.
- D. One 750 MHz CPU and 1 GB RAM.

Answer: A

QUESTION 53:

Certkiller .com has integrated four new DMX storage arrays into their ControlCenter environment for monitoring and management purposes, which now brings the total number of arrays being managed to six. The Storage Agent for Symmetrix is deployed on the ControlCenter server. Ever since the new arrays have been under ControlCenter management, there have been large gaps in the WLA data for the arrays. They have an urgent need to analyze current DMX performance for their internal customers. What would you recommend they do first?

- A. Upgrade the driver and firmware of the HBA's installed on the ControlCenter server
- B. Upgrade the memory on all servers attached to the DMX arrays
- C. Distribute additional Storage Agents for Symmetrix
- D. Upgrade the ControlCenter environment to the latest ControlCenter release and service pack

Answer: C

QUESTION 54:

You are tasked with the planning of a ControlCenter installation at a major Certkiller .com site, which consists of 25 Medium Storage Arrays, 16 M-series switches with 64 ports and 600 Open Systems Hosts mixed AIX, Solaris, HP-UX and Windows. They are asking for a Handover document, because one of their main concerns is the project documentation. Which document meets this need best?

- A. ControlCenter Qualifier
- B. StorageScope Reports
- C. ControlCenter Configuration Guide Word document
- D. ControlCenter Configuration Guide Excel Spreadsheet

Answer: C

QUESTION 55:

What recommendation would you give Certkiller .com, if they want to monitor and report on a Symmetrix array that is connected to an OS/400 environment?

- A. To use the proxy capability and monitor the Symmetrix through symapi server on the OS/400.
- B. That this cannot be done.
- C. To attach an open systems host with a Storage Agent for Symmetrix to another port and present gatekeepers.
- D. To install the Common Mapping and Storage Agent for Symmetrix on the OS/400 host.

Answer: C

QUESTION 56:

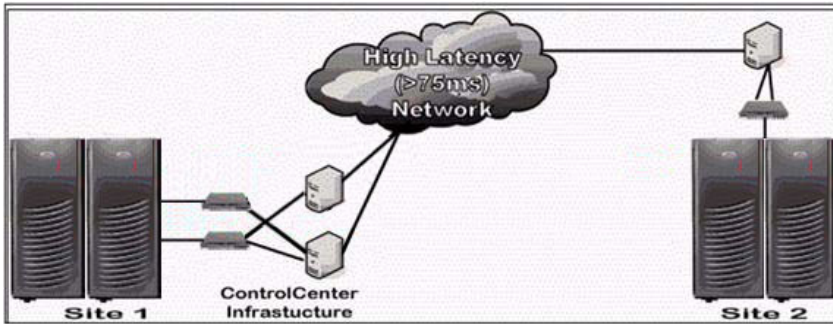
In response to Certkiller .com's query regarding the types of information available in the StorageScope reporting database, what two types, besides capacity and utilization, can be found there? (Choose two)

- A. Infrastructure Asset
- B. Performance
- C. Security
- D. Backup Status

Answer: A,D

QUESTION 57:

Exhibit:



In the exhibit above, Site 1 is Certkiller .com's primary location and Site 2 is their disaster recovery site where they have on-site storage administrators. They would like the administrators to have console access to the ControlCenter instance running on infrastructure hardware at Site 1. The average network latency between the two sites has been proved to be over 75ms. Which of the following is a supported method for remote administrators at Site 2 to gain console access to Site 1, so that they can use ControlCenter to monitor and manage the entire SAN?

- A. Use the Web Console to monitor and manage the SAN
- B. Use Windows Terminal Services on the infrastructure server to access the console at Site 1
- C. Install the console application on workstations at Site 2 and run them against the Site 1 infrastructure across the network
- D. Use a Citrix Metaframe XP Client on another system to access the console at Site 1

Answer: D

QUESTION 58:

In an advisory interview with Certkiller .com, they indicate that they would like reports on array allocation and host filesystems utilization. They also want the reports to be available through a browser, and that granular access by username and by report has to be enforced. ControlCenter, ControlCenter StorageScope File Level Reporter (FLR), and the Multisource Database will be supplied to them by the EMC sales team. Which set of components, in conjunction with the ControlCenter Infrastructure, can provide a solution to suit their needs?

- A. ControlCenter Host Agents, ControlCenter Array Agents, FLR Infrastructure, FLR Host Agents, Crystal Reports Enterprise.
- B. ControlCenter Array Agents, EMCCConnect, Crystal Reports Enterprise, Multisource Database.
- C. ControlCenter Host Agents, ControlCenter Array Agents, FLR Infrastructure, FLR Host Agents, EMCCConnect, Multisource Database.
- D. ControlCenter Host Agents, ControlCenter Array Agents, FLR Infrastructure, FLR Host Agents, StorageScope Layouts, FLR Web Console.

Answer: A

QUESTION 59:

Certkiller .com wishes to perform provisioning reporting, as well as capacity and performance reporting within an open systems SAN environment. Which product sets would you use to create a solution if they already have HDS and EMC storage?

- A. Symmetrix Package, Monitoring and Reporting Package.
- B. Symmetrix Manager, SAN Manager, Performance Manager, StorageScope.
- C. Symmetrix Manager, SAN Manager, HDS Manager, Performance Manager, StorageScope.
- D. Planning and Provisioning Package.

Answer: B

QUESTION 60:

Certkiller .com's data center is made up exclusively of production Solaris hosts. The environment is managed by ControlCenter, which has been installed on a single Windows server in the data center. ControlCenter users would like to manage the data center from various sites around Certkiller .com's campus. Most of these sites have poor network connectivity, with latencies of over 100ms being common. What supported solution would provide Certkiller .com with the means to manage the data center from the distant sites?

- A. Install the Console on the Infrastructure server and use Citrix Metaframe to log into this server.
- B. Install a new Windows server in the data center, install Console, and use Citrix Metaframe to log into this server.
- C. Install the Console at any host in the distant sites where management functionality is needed.
- D. Use Internet Explorer to connect to the Web Console Server on the data center Windows host.

Answer: B

QUESTION 61:

Which solution would you propose Certkiller .com use for a compliance requirement to maintain an automated history of all commands generated by ControlCenter?

- A. Propose a services engagement to develop a new process to have Certkiller .com enter the commands into a separate system.
- B. Modify the command complete alert to forward every command completion to an

external enterprise framework.

C. Introduce Certkiller .com to the Command History Export Utility and propose a Services engagement.

D. Show Certkiller .com how to export all the commands from the console, and propose a residency to assist with the data movement.

Answer: C

QUESTION 62:

You are designing an alerting solution for Certkiller .com's storage environment. ControlCenter is being used to monitor and manage the EMC storage arrays and switches. Certkiller .com, however, has no idea of which alerts should be enabled and the number of alerts they are seeing from ControlCenter is causing them frustration. The EMC ControlCenter Alerts and Monitoring Implementation service offers 2 tiers, namely Tier 1 and Tier 2. Which tier would you recommend for this customer and why?

A. Tier 2 because of its tight focus.

B. Tier 1 due to the limited scope of the offering.

C. Tier 2 because of the limited number of alerts which can be modified under the offering.

D. Tier 1 because of the detailed performance analysis offered.

Answer: B

QUESTION 63:

Which one of the following does ControlCenter not use for agent load balancing?

A. Distance to Managed Object

B. Agent Server CPU Load

C. Agent Version

D. Deployment Order

Answer: D

QUESTION 64:

Certkiller .com has an environment consisting of:

8 Symmetrix Arrays

10 CLARiiON Arrays

2 Cisco Switches

25 Open Systems Hosts

ControlCenter Master and Host Agents, as well as ControlCenter StorageScope File Level Reporter (FLR) Agents are deployed to the 25 open system hosts that have an average of 3,000,000 files per host. Which group of components would be an applicable

ControlCenter StorageScope File Level Reporter Infrastructure configuration for this environment?

- A. StorageScope FLR Application Server on a Win2003 Server and a SQL Server RDBMS on a Win2003 Server.
- B. StorageScope FLR Application Server and a Oracle 9i RDBMS on a single 6-cpu Solaris server.
- C. StorageScope FLR Application Server on a Win2003 Server and a Oracle 8i Database RDBMS on a 4-cpu Solaris server.
- D. StorageScope FLR Application Server on a Win2003 Server and a Oracle 9i RDBMS on a 4-cpu Solaris server.

Answer: D

QUESTION 65:

Certkiller .com is using ControlCenter, in multiple data centers, to monitor their entire environment. They recently acquired another company that has several BS2000 Hosts installed. What needs to be installed to integrate these Hosts into ControlCenter, if there are no Master Agents installed on this site?

- A. Host Agent for BS2000 and Solution Enabler from ControlCenter on an Agent Host in the new datacenter.
- B. Nothing, BS2000 Hosts are not supported.
- C. Common Mapping Agent in the existing environment and Solution Enabler on an Agent Host in the new datacenter.
- D. Host Agent for BS2000 on an Agent Host in the new datacenter.

Answer: C

QUESTION 66:

Certkiller .com wants all ControlCenter alerts to be integrated into Microsoft Operations Manager (MOM). Which of the following is true when deploying the Integration Gateway Agent?

- A. It can be installed on any Windows or Solaris Host.
- B. It must be installed on the ControlCenter Server host.
- C. It must be installed on the MOM Administrator Console Host.
- D. It must be installed on a Windows host monitored by MOM.

Answer: D

QUESTION 67:

Certkiller .com has an environment consisting of 10 Symmetrix Arrays, 20 CLARiiON

Arrays, 4 Cisco Switches and 125 Open systems Hosts. ControlCenter Master and Host Agents, as well as ControlCenter StorageScope File Level Reporter (FLR) Agents, are deployed to all 125 open system hosts. Which tools must you use to generate a report showing the relationship between disk utilization and directory utilization?

- A. Custom StorageScope Layout with filtering.
- B. Excel spreadsheet with the StorageScope F.LR API.
- C. Custom report program using the StorageScope API and the StorageScope FLR API.
- D. Basic StorageScope Layout with the StorageScope API and the StorageScope FLR API.

Answer: C

QUESTION 68:

Maintaining an automated history of all commands generated by ControlCenter is a requirement Certkiller .com has to provide to stay compliant. Of the following, which solution would you suggest they use?

- A. Show Certkiller .com how to export all the commands from the console, and propose a residency to assist with the data movement
- B. Propose a services engagement to develop a new process to have Certkiller .com enter the commands into a separate system
- C. Introduce Certkiller .com to the Command History Export Utility and propose a Services engagement
- D. Modify the command complete alert to forward every command completion to an external enterprise framework

Answer: C

QUESTION 69:

DRAG DROP

Match the Technology Solutions (TS) engagement documents, with the role responsible for its completion.

Roles Responsible for Completion, Select from these

Solutions Architect	Client Service Lead
Project Manager	Technology Consultant
Technology Solutions	Roles, place here
Project Plan	Place here
Statement of Work	Place here
Configuraiton Guide	Place here
Open Software Qualifier	Place here

Answer:

Technology Solutions	Roles, place here
Project Plan	Technology Consultant
Statement of work	Client Service Lead
Configuration Guide	Project Manager
Open Software Qualifier	Solutions Architect

QUESTION 70:

You are editing a StorageScope Layout Report for information and need to organize the information by Certkiller .com's business units. Each business unit has measurable projects within it and have exclusive access to their respective arrays. Which option will permit the StorageScope layouts to generate reports on storage allocation by business units?

- A. Create Groups via the Console that represent the Projects and then copy and paste the appropriate arrays to each group.
- B. Create Groups via the Console that represent the Business Units and then copy and paste the appropriate arrays to each group.
- C. Modify the Arrays Basic Layout to include filtering on the Groups field.
- D. Create Groups via the Console that represent the Business Units and then copy and paste the appropriate hosts to each group.

Answer: B

QUESTION 71:

Certkiller .com is using ControlCenter in their environment that has Cisco MDS series switches. They would like the switches to dial-home to EMC in the event of an error, so that support can be provided. Which of the following is absolutely necessary to ensure that this feature functions correctly?

- A. A Dedicated phone connected to the telephone port of the service processor.
- B. Configure OnAlert/ConnectEMC to enable dial-home capabilities via ControlCenter.
- C. Cisco MDS do not have dial-home capabilities. These switches only support email home notification.
- D. A Dedicated 56Kb modem externally connected to each MDS switch.

Answer: B

QUESTION 72:

Certkiller .com wants to be alerted when their SQL Server Data and Log files, located at a site where ControlCenter and StorageScope FLR are deployed, are nearly full. Which of

the following would you recommend as a solution?

- A. Enable Microsoft SQL Server Enterprise Manager to generate an alert
- B. Setup a threshold policy in StorageScopeFLR to monitor Database File Thresholds and generate an alert
- C. Enable the ControlCenter SQL Server Tablespace Alert
- D. Enable the ControlCenter Logical Volume Percent Free alert on all the drives on which the SQL Server instance is installed

Answer: B

QUESTION 73:

Certkiller .com has a pressing need to employ a storage reporting solution for allocation, utilization and performance. Of the following, which components are required for providing a report correlating performance and capacity information in a single tabular format?

- A. StorageScope API, Crystal Reports.
- B. StorageScope API, Crystal Reports, Multisource Database.
- C. Custom StorageScope Layouts, StorageScope API, Multisource Database.
- D. StorageScope Layout, Custom fields.

Answer: B

QUESTION 74:

Certkiller .com wants to use ControlCenter for all reporting. You discover a limitation of the ControlCenter StorageScope API which prevents certain reporting from being processed. The information provided by the StorageScope API does NOT include which report?

- A. File Systems to Storage Array Mappings.
- B. Oracle Database to Storage Array Mappings.
- C. Host-to-Storage End-to-End SAN Mappings.
- D. Host-to-Storage End-to-End NAS Mappings.

Answer: D

QUESTION 75:

Certkiller .com requires the Storage Resource Management (SRM) infrastructure, deployed in their environment, to be a high-availability solution with disaster recovery ability. They currently have EMC ControlCenter installed and running. For a recommended solution, what are two prerequisites that have to be considered? (Choose two)

- A. Target host name must remain the same as the source host with a Fully Qualified Domain Name (FQDN).
- B. Source host and target host may have different operating systems.
- C. ControlCenter needs to be implemented in a cluster configuration.
- D. Source host and target host must have the same operating system.

Answer: A,D

QUESTION 76:

All the Celerras in a Data Center are to be monitored by ControlCenter. What must be setup on the Celerra Control Station, so that Celerra call home events can be reported as ControlCenter Alerts?

- A. ControlCenter Storage Agent for NAS host as an SNMP Trap destination.
- B. ControlCenter Repository as an SNMP trap destination.
- C. ControlCenter Server as an SNMP Trap destination.
- D. Control Station as an SNMP Trap destination.

Answer: A

QUESTION 77:

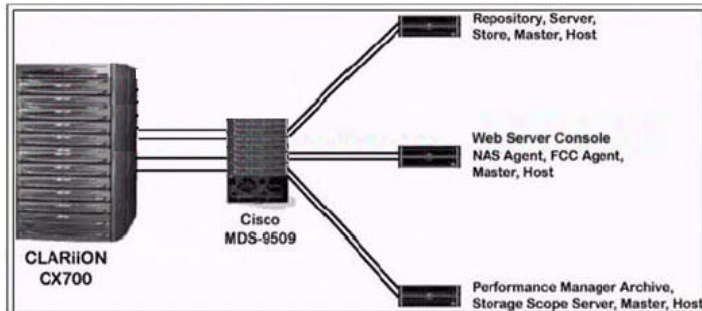
Certkiller .com is planning to expand their SAN, which is managed by ControlCenter, thereby increasing the switch port count from 400 to 800 ports. Two ControlCenter FCC Agents are deployed. Select the ControlCenter design change required to facilitate this growth?

- A. Add additional FCC and SDM agents for the additional ports and security.
- B. Add more servers for additional agents and more memory to the existing servers.
- C. Modify the FCC WLA DCP's from 15 to 30 minutes.
- D. Install a second infrastructure to handle the growth.

Answer: C

QUESTION 78:

Exhibit:



While performing A ControlCenter installation you find that the Celerra and Connectrix details are not discovered in ControlCenter. A ControlCenter agent landscape of this installation is illustrated in the exhibit above. What should be done to rectify the problem?

- A. Reinstall ControlCenter.
- B. There is not enough information provided to determine what is wrong with the environment.
- C. Change the FCC or NAS port address.
- D. Shutdown the Master and Host Agents, reboot the server, then reinstall the master and host agents.

Answer: C

QUESTION 79:

Which factor will assist Certkiller .com to determine which backend database (Oracle or SQL Server) to use, prior to deploying StorageScope FLR in their environment?

- A. Number of Databases, Exchange Servers and Files
- B. Number of Databases, Exchange Servers, Hosts and NAS File Servers
- C. Number of Databases, Exchange Servers and Hosts
- D. Number of Databases, Hosts, Storage Arrays and NAS File Servers

Answer: A

QUESTION 80:

Certkiller .com currently has ControlCenter installed at a data center in Chicago. They want to bring another data center in Los Angeles, which does not have ControlCenter installed there, into this infrastructure. You have already determined that an additional Store will be needed to handle the additional hosts, arrays and switches in Los Angeles. You have also tested the network and measured the average latency between the two sites at 27ms. Where would the new ControlCenter Store host be located?

- A. At the Los Angeles data center on the same subnet as the existing ControlCenter Repository server.
- B. At the Chicago data center on the same subnet as the existing ControlCenter

Repository server.

C. At the Los Angeles data center on a different subnet as the existing ControlCenter Repository server.

D. At the Chicago data center on a different subnet as the existing ControlCenter Repository server.

Answer: B

QUESTION 81:

Certkiller .com integrates four new DMX storage arrays into their ControlCenter environment, for monitoring and management purposes. The number of arrays being managed has increased to six, with the Storage Agent for Symmetrix deployed on the ControlCenter server. There have been large gaps in the WLA data for the arrays since the new arrays have been under ControlCenter management. They need to examine current DMX performance for their internal customers immediately.

If you are asked to review their current ControlCenter environment and recommend a solution to resolve the issue, what would your initial recommendation be?

A. Distribute additional Storage Agents for Symmetrix

B. Upgrade the ControlCenter environment to the latest ControlCenter release and service pack

C. Upgrade the driver and firmware of the HBA's installed on the ControlCenter server

D. Upgrade the memory on all servers attached to the DMX arrays

Answer: A

QUESTION 82:

Certkiller .com has just purchased ControlCenter and installed Symmetrix Manager and the StorageScope licenses, but they discover that the means to assign devices to their hosts are missing. What would you recommend they do?

A. Purchase the SAN Manager license

B. Open a Software Case, this must function

C. Purchase the Automated Resource Manager license

D. Purchase the Storage Management license

Answer: A

QUESTION 83:

Based on the time of day, Certkiller .com wants ControlCenter Alerts to be sent to two different functional groups. Alerts should be sent to the DBA e-mail group between 6 AM and 6 PM and to the operators e-mail group between 6 PM and 6 AM. How can this be accomplished?

- A. Two different Management Policies.
- B. Forward to a SNMP framework and customize.
- C. Two different Schedules.
- D. Combination of Schedules and Management Policies.

Answer: B

QUESTION 84:

Certkiller .com has a pressing need to upgrade a Symmetrix Manager version 4 to ControlCenter. How would you recommend they get the performance data, for the last two years, which they require as a result of company policies?

- A. Convert the old DCP to retain the old Performance Data.
- B. Conversion cannot be done.
- C. Convert the old Data with WLACvt4xTo50.exe into the new format.
- D. Run an old Symmetrix Manager installation until the two year time period is up.

Answer: C

QUESTION 85:

You are asked to design a ControlCenter installation for a major account. At the opening meeting, you bump into a previous EMC employee who is now working for the client. He furnishes you with a version of the design, as well as completed test and acceptance criteria. The documents look as if they are complete. What do you now do with this information?

- A. Save the files to eRoom and review the information. If the information is accurate, submit it to the SVC as is.
- B. Review the information, copy it to the most current forms, then submit the completed forms to SVC.
- C. Save the files to eRoom and then submit the information to the SVC without modifications.
- D. Tell the client that you must gather the information on your own. Send him a copy of Grab and EMCreports.

Answer: B

QUESTION 86:

DRAG DROP

The Capability Maturity Model (CMM) describes five evolutionary stages in which an organization manages its processes through maturity.

Place the model stages in the correct order.

E20-840

Steps, Select from these	Steps, place here
Initial	Place 1st here
Defined	Place 2nd here
Managed	Place 3rd here
Optimizing	Place 4th here
Repeatable	Place 5th here

Answer:

Steps, place here
Initial
Repeatable
Defined
Managed
Optimizing

QUESTION 87:

You are editing a StorageScope Layout Report for information and need to organize the information from Certkiller .com's business units and projects. Each business unit has measurable projects. Certkiller .com's business units have exclusive access to their respective arrays, while Projects have exclusive use of the servers. Which method will permit the StorageScope layouts to generate reports on storage utilization for both business units and projects?

- A. Create Groups via the Console that represent the Business Units and then copy and paste the appropriate arrays to each group
- B. Modify the Arrays Basic Layout to include filtering on the Groups field
- C. Create Groups via the Console that represent the Projects and then copy and paste the appropriate arrays to each group
- D. Create Hierarchical Groups via the Console that represent the Business Units and Projects and then copy and paste the appropriate hosts to each group

Answer: D

QUESTION 88:

ControlCenter, which monitors a set of Symmetrix devices, is configured with an alert. This alert is configured to automatically trigger an autofix if this Symmetrix device set

exceeds 10 000 reads/second. How is the alert and autofix executed?

- A. An email is created by ControlCenter, which calls the autofix process. Autofix then alerts ControlCenter's agent process, via SYMAPI
- B. An alert is generated at the ControlCenter alert console, then an autofix is executed
- C. The autofix process is run, creates an alert, emails the administrator that it is complete, performs its fix function, then performs a notification function
- D. Alert executes an internal ControlCenter system call. Alert then notifies the SYMAPI process and emails the administrator. Scripts are used to run the autofix process

Answer: B

QUESTION 89:

During the planning stage of a ControlCenter Alerts and Monitoring Implementation Service, you determine that Certkiller .com is having performance issues with their Symmetrix Arrays. Furthermore, a detailed performance analysis is being done by an EMC Performance Expert. Certkiller .com demands that, in the event of a performance problem occurring on the Symmetrix, all their Symmetrix Performance Alerts thresholds be customized to trigger. What method for determining the appropriate thresholds is recommended?

- A. Setup Performance Manager (WLA) daily data collections. Analyze a week of data and recommend thresholds.
- B. Use the ControlCenter Console to analyze the performance statistics for the past 6 months and recommend thresholds.
- C. Analyze the performance alerts history for the past 6 months and recommend thresholds.
- D. Consult with the EMC Performance Expert to determine the appropriate thresholds.

Answer: D

QUESTION 90:

Certkiller .com is using BMC Patrol Enterprise Manager as their alert notification application and they want to integrate ControlCenter into the framework. Some of the equipment in the environment, which is being monitored by ControlCenter, supports SNMP V2. Alerts are currently being forwarded by direct SNMP traps. What would cause this to continue?

- A. Firewall between the ControlCenter managed objects and the ControlCenter server.
- B. ControlCenter Integration Gateway Agent supports only SNMP V1 traps.
- C. Not all ControlCenter alerts can be forwarded by the Gateway Agent.
- D. Gateway Agent can only be installed on a Windows server.

Answer: B

QUESTION 91:

Which of the following are you required to perform, after initially receiving SVC and CCA approval for a planned ControlCenter implementation?

- A. Request Customer Engineer link their install CCA case to your CCA and verify SVC is aware of the CE's install case.
- B. Finalize the design workbook; develop ControlCenter Test and Acceptance document; email client approved design workbook and test and acceptance documents to SVC.
- C. Verify that Clarify case has been opened by CE to ensure install CCA was created and approved.
- D. Request client approval of statement of work/charter, implement test and acceptance document.

Answer: B

QUESTION 92:

In Certkiller .com's environment, temporary files are causing filesystems to become full intermittently. They would like these utilization spikes to be detected automatically, even if they occur numerous times during the day. Which of the following might suit their needs?

- A. ControlCenter Alerts.
- B. SYMCLI with custom scripting.
- C. StorageScope Reports.
- D. Performance Manager Collections.

Answer: A

QUESTION 93:

Certkiller .com is managing 50 CLARiiON CX600s and 10 DMX1000Ps using ControlCenter. They would like to be alerted when any Customer Replaceable Unit on the CX600s fail. Which solution would you advise for the alert to be received in ControlCenter?

- A. Setup the CLARiiON Agent host as an SNMP trap designation on all the CX600s
- B. Ensure that the ControlCenter "Storage Array Fault" alert is enabled for the CLARiiON Agent
- C. Setup Navisphere Event Monitor in a Distributed deployment to monitor all Critical Array Faults for all CX600s
- D. Setup Navisphere Event Monitor in a Centralized deployment to monitor all Critical Array Faults for all CX600s

Answer: B

QUESTION 94:

The monitoring multiple distributed datacenters is a responsibility of Certkiller .com. During the original planning for a ControlCenter Implementation, network latency between the sites is tested using the PING command. The average latency was measured to be 45ms, during peak network usage times. Which two ControlCenter components will experience problems if there is NOT an improvement in the network performance? (Choose two)

- A. Console.
- B. Server, Repository, Store in a Distributed Infrastructure.
- C. WebConsole.
- D. No ControlCenter components will be impacted.
- E. Agent.

Answer: A,B

QUESTION 95:

It is essential that Certkiller .com applies ControlCenter Service Pack 3 to their existing ControlCenter infrastructure. They will upgrade the infrastructure components immediately, but want agent upgrades to be performed over a three week period following the upgrade. There are two (2) DMX arrays and two (2) DS-32M switches currently in the environment. What do you have to ensure they understand, regarding the impact of the upgrade, when consulting with them?

- A. The Fibre Channel Connectivity agent must be upgraded.
- B. All hosts must be rebooted at the time the core components are upgraded.
- C. All Master Agents must be upgraded concurrently with the core components.
- D. Until the Storage Agent for Symmetrix are upgraded, the DMX arrays will be unmanaged.

Answer: A

QUESTION 96:

If you are in the process of completing a ControlCenter Qualifier for Certkiller .com, to which data source would you refer to validate EMC array information?

- A. Avatar
- B. Clarify
- C. CCA
- D. SYR

Answer: D

QUESTION 97:

Certkiller .com is using EMC storage, Sun and Dell Servers, as well as a Connectrix SAN. They currently have a very mature process for documenting and reviewing all changes to their storage environment in REMEDY. They would like to reduce the workload of their administrators, but still maintain the high level of documentation and reviewing. In which way can EMC aid this customer?

- A. Use Storage Provisioning Services to collapse the provisioning steps and use the EACLI to record all changes in change management
- B. Introduce iSCSI for further SAN consolidation and Celerra for higher usage of NAS and fewer distinct provisioning requests
- C. Automate the File Level Analysis with StorageScope FLR and analyze their SAN deployment with SAN Advisor to remove excessive files and SAN roadblocks
- D. Analyze their environment, restructure and reduce the number of tiers of online storage, perform backups with CDL and archiving with Centera and EmailExtender

Answer: A

QUESTION 98:

Certkiller .com, who currently has EMC ControlCenter installed and running, wants the Storage Resource Management (SRM) infrastructure that is deployed in their environment to be a high-availability solution with disaster recovery capabilities. Which are two basic requirements needed to remedy this? (Choose two)

- A. Target host name must remain the same as the source host with a Fully Qualified Domain Name (FQDN).
- B. ControlCenter needs to be implemented in a cluster configuration.
- C. Source host and target host may have different operating systems.
- D. Source host and target host must have the same operating system.

Answer: A,D

QUESTION 99:

Certkiller .com wants to locate information, within their environment, about files and folders that were last modified more than 120 days ago. Which information can StorageScope gather regarding this?

- A. Count of files and sum of their size.
- B. Name and aggregate size of each folder.
- C. Count of folders and sum of their aggregate size.

D. Name and size of each file.

Answer: A

QUESTION 100:

The Solutions Validation Center (SVC) requires_____and_____ for a ControlCenter review and validation. (Choose two)

- A. Scope.
- B. Configuration Guide.
- C. Work Breakdown Structure.
- D. Test & Acceptance Plan.

Answer: B,D

QUESTION 101:

At a discussion regarding their ControlCenter Oracle database, Certkiller .com inquires about the back-up process and the number of automated and manual tasks involved. Please identify two tasks that are automated for them? (Choose two)

- A. Monitoring Tablespace Growth
- B. Performing a Media Recovery
- C. Exporting the Repository Backup
- D. Determining Tablespace Fragmentation

Answer: A,C

QUESTION 102:

Certkiller .com has an environment consisting of 10 Symmetrix Arrays, 20 CLARiiON Arrays, 4 Cisco Switches and 125 Open systems Hosts. ControlCenter Master and Host Agents, as well as ControlCenter StorageScope File Level Reporter (FLR) Agents are deployed to all 125 open system hosts. These hosts have an average of 1,000,000 files per host. Which combination of components would be a suitable ControlCenter StorageScope File Level Reporter Infrastructure configuration for this environment?

- A. StorageScope FLR Application Server on a Win2003 Server and a Oracle 8i Database RDBMS on a 4-cpu Solaris server.
- B. StorageScope FLR Application Server and a Oracle 9i RDBMS on a single 6-cpu Solaris server.
- C. StorageScope FLR Application Server on a Win2003 Server and a SQL Server RDBMS on a Win2003 Server.
- D. StorageScope FLR Application Server on a Win2003 Server and a Oracle 9i RDBMS on a 4-cpu Solaris server.

Answer: D

QUESTION 103:

Certkiller .com, who has a DMX3000, CX700, ControlCenter and BMC Patrol Enterprise Manager, asks you to address alert monitoring for them. They currently use ControlCenter, which does not pass alerts to BMC PEM, to monitor the storage arrays. They will be applying MirrorView on the CX700, configured to alert on MirrorView error conditions. Also, they would like to use only one application for all alert notifications for operational personnel. Which of the following would you design and present, to suit their requirements?

- A. Continue to use ControlCenter for all array alert notifications only.
- B. Use BMC PEM only for all array alert notifications, but bypassing ControlCenter.
- C. Design a solution which uses ControlCenter as the main alert notification application for Operations by configuring ControlCenter to accept and process SNMP traps from BMC PEM.
- D. Design a solution which uses BMC PEM for alert notification for Operations by forwarding both ControlCenter alerts and direct SNMP traps to BMC PEM.

Answer: D

QUESTION 104:

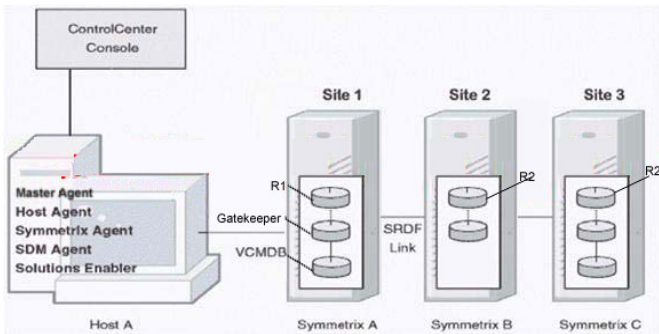
The HBA vendors have recently released new versions of their HBA firmware. What is the ideal means for Certkiller .com to recognize and confirm the areas of impact from this change?

- A. Review all the hosts in the properties view of the console.
- B. Filter a StorageScope report for the HBA inventory and sort it based on HBA firmware version.
- C. Wait till something breaks and check it then.
- D. Use SAN Advisor to snapshot the environment and compare it to the E-lab database.

Answer: D

QUESTION 105:

Exhibit:



Certkiller .com has 3 DMX 2000 arrays deployed in a multi-hop SRDF configuration and would like to know what management and monitoring functionality is available in ControlCenter on their array two hops away. They are not planning to deploying a Storage Agent for Symmetrix on the two remote sites. Which are two Symmetrix operations supported in a multi-hop configuration? (Choose two)

- A. Symmetrix Device Masking.
- B. SRDF operations on device groups.
- C. TimeFinder operations on device groups.
- D. Meta Device Creation.

Answer: B,C

QUESTION 106:

A robust, highly available ControlCenter solution that has N+1 failover support on a local LAN, is required by Certkiller .com. Which of the following is a ControlCenter component that has application-level failover capability?

- A. Repository.
- B. Storage Agent for Symmetrix.
- C. Server.
- D. WLA Archiver Agent.

Answer: B

QUESTION 107:

Certkiller .com has a Distributed ControlCenter configuration, which includes a dedicated Console Server, to support the monitoring of a large SAN environment. On what server type can a Console be installed and run, while still staying within Performance and Scalability Guidelines, if the Console Server dies?

- A. Repository.
- B. Dedicated CLARiiON Agent Server.
- C. Standalone Store.
- D. Dedicated Storage Agent for Symmetrix Server.

Answer: C

QUESTION 108:

Which of the following operations are possible, if Certkiller .com has the following infrastructure environment?

100 AIX Servers, with a mixture of DB2 and 64 bit Oracle databases. 100 Solaris Servers, with a mixture of Sybase and Oracle databases. 100 Windows Servers, with SQL and Exchange databases. 100 Linux Servers, with Oracle databases. 3 Z/OS Mainframe Servers. Four tiers of storage: Tier 1 - RAID 1 on Symmetrix. Tier 2 - RAID 5 on CLARiiON. Tier 3 - Archive to Centera. Tier 4 - Backup to Tape Libraries. 1024 ports in a Brocade SAN.

- A. Discovery, monitoring and reporting of AIX Oracle databases with local agents.
- B. Oracle in a 64-bit AIX environment cannot be discovered.
- C. Discovery, monitoring and reporting of AIX Oracle databases via proxy.
- D. Discovery, monitoring and reporting of AIX Oracle databases with Common Mapping agents.

Answer: C

QUESTION 109:

Certkiller .com inquires about the types of information accessible in the StorageScope reporting database. Besides capacity and utilization, which other two categories of information are available? (Choose two)

- A. Backup Status
- B. Security
- C. Performance
- D. Infrastructure Asset

Answer: A,D

QUESTION 110:

Certkiller .com has a large SAN environment monitored by a three Store ControlCenter configuration, which is running at maximum capacity. They indicate that they want to grow their SAN by adding 200 Servers to their environment. What crucial tasks must be followed to expand the ControlCenter solution so that this enhanced environment can be supported?

- A. Change DCPs of all Host Agents to lighten the load.
- B. Submit Qualifier for a four Store configuration, Involve Corporate and Regional SVC Teams.

- C. Submit Qualifier for a four Store configuration, involve the Regional SVC Team.
- D. Submit Qualifier and RPQ for a four Store configuration, Involve Corporate SVC Team.

Answer: D

QUESTION 111:

Certkiller .com's environment is configured as follows: 2 Symmetrix Arrays, each with 1000 Logical Volumes and 2000 Front End Mappings. 2 ED-140M directors, fully populated with ports. 100 Open Systems Hosts, all with dual paths. This environment is managed with ControlCenter installed in a single host infrastructure configuration residing on a host that has dual 3 GHz processors, 2GB of RAM and 50 GB of available storage. If Certkiller .com wants to install the web console on the ControlCenter server, what would you tell them?

- A. That this is not a valid configuration. To install the Web Console on the infrastructure, the server needs to have more and faster processors.
- B. That this is a valid configuration. The Web Console can reside on this host with the ControlCenter infrastructure components.
- C. That this is not a valid configuration. To install the Web Console on the infrastructure, the server needs to have more RAM.
- D. That this is not a valid configuration. To install the Web Console on this server, it needs to have more available storage.

Answer: C

QUESTION 112:

Certkiller .com is planning to implement ControlCenter to manage their SAN, which consists of 4 DMX arrays, 2 M series switches and 40 hosts. As a result of a meeting to discuss the alert capability of ControlCenter, they express concerns about receiving alerts on temporary conditions. How would you respond to these concerns?

- A. By turning off alerts about which Certkiller .com expresses concerns.
- B. By explaining ControlCenter does not have the ability to handle alert spikes.
- C. By explaining the before/after capability for alerts.
- D. By suggesting a case be opened with support so a solution can be developed.

Answer: C

QUESTION 113:

If Certkiller .com plans to deploy EMC VisualSRM in their environment, what dynamic will help them to determine which backend database (Oracle or SQL Server) to use?

- A. The number of Databases, Exchange Servers and Files.
- B. The number of Databases, Hosts, Storage Arrays and Switch Ports.
- C. The number of Databases, Exchange Servers and Hosts.
- D. The number of Databases, Exchange Servers, Hosts and Storage Arrays.

Answer: A

QUESTION 114:

Some months ago, Certkiller .com installed ControlCenter as the main management tool. What kind of Remote Management solution ought to be developed for them, so that the staff can solve ControlCenter problems during the night?

- A. Install ControlCenter Web Server with the SSL option and have them connected and authenticated through the Internet
- B. Install a Citrix Server on a new Server and have them start a Console through a Citrix Client
- C. Install Terminal Services on the Infrastructure Server and have them start a Console through Terminal Services
- D. Install a Citrix Server on the Infrastructure Server and have them start a Console through a Citrix client

Answer: B

QUESTION 115:

While considering the type and protection of the storage for the ControlCenter database, Certkiller .com is looking for a recommendation. Which option is recommended as best practice for database storage?

- A. Use software based mirroring for the ControlCenter database
- B. Due to the daily database exports unprotected disk is recommended
- C. Use RAID-1 for the ControlCenter database
- D. Use RAID-5 for the ControlCenter database

Answer: C

QUESTION 116:

Certkiller .com is using StorageScope as the reporting tool for multiple sites. They have a Management LAN in place, but they are unhappy because they have to login to StorageScope every time they want to check a report. What can be done to negate this problem?

- A. Configure StorageScope properties so it allows bypassing login.
- B. Customer can start a ControlCenter console without the login process and launch

StorageScope from there.

C. Nothing, authentication is always required.

D. Nothing, there is always a login screen when StorageScope is started from a browser.

Answer: A

QUESTION 117:

You are tasked with the planning and design for ControlCenter Alerting in a Certkiller .com environment that consists of several CX500, CX600 and CX700 CLARiiON arrays. In addition to this, they also have 10 DMX2000s in their datacenter. Which of the following are valid statements with regards to implementing CLARiiON Performance Alerts into ControlCenter?

A. Performance Alerts are automatically sent to ControlCenter when the array is discovered

B. There are no CLARiiON Performance Alerts in ControlCenter

C. Setup SNMP Traps on the CLARiiON SP to send Performance Traps to the Storage Agent for CLARiiON

D. Setup SNMP Traps on the CLARiiON SP to send Performance Traps to ControlCenter Server

Answer: B

QUESTION 118:

You are planning a ControlCenter implementation for Certkiller .com and they indicate that they want to include 50 of their Oracle databases in ControlCenter Reports. They would like to receive reports on Tablespace utilization. With those numbers in mind, what needs to be considered?

A. You need to setup a DCP for each of those databases, after they are discovered.

B. Nothing at all, all databases are automatically discovered when the Agent is installed.

C. You need to setup Alerts for the tablespaces in order to report utilization numbers.

D. You need to setup a DCP for all of those databases which is specified during the discovery process.

Answer: A

QUESTION 119:

Certkiller .com requires a Chargeback Report, which must be based on array devices allocated to each host. The cost of each device must be calculated based on array type, array model, as well as device size and device protection. The report must also display the cost per Host and Business Unit. What needs to be created if ControlCenter StorageScope and StorageScope FLR are deployed?

- A. A custom layout of the Host Chargeback report in the StorageScope Web Interface.
- B. File Groups in StorageScope FLR and use the Chargeback Summary Report.
- C. A custom report with data from the StorageScope API and customer supplied data.
- D. A custom layout of the Array Device Allocation report in the StorageScope Web Interface.

Answer: C

QUESTION 120:

Of the following, which are the three broad ControlCenter Alerts categories? (Choose three)

- A. Monitoring
- B. Performance
- C. Health
- D. Free Space
- E. Capacity

Answer: B,C,E