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**Exam** : **E20-611**

**Title** : CLARiiON Installation and  
Troubleshooting Specialist

**Version** : Demo

1. On a CLARiiON CX4-480 array what is the maximum number of drives supported on each back-end loop?

- A. 90
- B. 120
- C. 240
- D. 480

Answer: B

2. Which operating systems support EMCRemote?

- A. Windows Server 2000, Windows Vista
- B. Windows Server 2008, Windows Server 2000
- C. Windows XP Professional, Windows Server 2000
- D. Windows XP Professional, Windows Vista

Answer: C

3. When interconnecting DAE3Ps what is the maximum supported cable length between them?

- A. 2 meters
- B. 4 meters
- C. 8 meters
- D. 12 meters

Answer: C

4. How many fans are in a CX4-960 fan pack?

- A. 1
- B. 2
- C. 3
- D. 4

Answer: A

5. During a CLARiiON conversion the Upgrade Wizard does not start automatically when the SP is booted to the Utility Partition.

What is the most common problem and resolution?.

- A. The correct Conversion Image NDU package was not installed and the upgrade will need to be completed manually without the Upgrade Wizard.
- B. The correct Conversion Image NDU package was not installed and the original hardware configuration will need to be swapped back so the correct Conversion Image can be installed.
- C. The new hardware is not compatible and the original hardware configuration will need to be swapped back until compatible hardware is shipped to the site.
- D. There is no fifth vault drive and the original hardware configuration will need to be swapped back so the fifth drive can be added to proceed with the conversion.

Answer: B

6. How many back-end activities have to occur when modifying a single sector on a RAID 5 LUN in a CLARiiON CX4 series array?

- A. One (1) read, one (1) write
- B. One (1) write
- C. Two (2) reads, one (1) write
- D. Two (2) reads, two (2) writes

Answer: D

7. What are the four main sections contained in the Interactive Installation Guide (IIG)?

- A. Installation, Connect New Server, Software Assistant, Support
- B. Installation, Connect New Server, Software, Support
- C. Installation, Initialize Storage Domain, Software, Select Storage System
- D. Installation, Select Storage System, Software, Support

Answer: B

8. Which host failover software is supported with a Non-Disruptive Upgrade (NDU)?

- A. HP-UX PVLinks, Linux native failover, Microsoft Windows with PowerPath
- B. HP-UX PVLinks, Solaris with VERITAS DMP, Microsoft Windows with PowerPath
- C. Linux native failover, HP-UX PVLinks, Solaris with VERITAS DMP
- D. Microsoft Windows with PowerPath, Linux native failover, Solaris with VERITAS DMP

Answer: A

9. Your customer has asked you to explain the RAID 5 parity and striping functions on a CX4 series array. How many stripes will you tell them occur on a disk before the parity block will rotate to the next disk?.

- A. 4
- B. 8
- C. 16
- D. 32

Answer: B

10. Using EMC best practices what is the percentage of memory that should be allocated for read cache?

- A. 10%
- B. 15%
- C. 20%
- D. 30%

Answer: C

11. In FLARE release 24, what are the three tabs in an Enterprise Storage window?

- A. General, Hosts, and Monitors
- B. Hosts, Monitors, and Software
- C. Hosts, Monitors, and Storage
- D. Monitors, Software, and Storage

Answer: D

12. Your customer wishes to zone a Windows host HBA to Storage Processor B port 9 on a CX4-960 array.

Which WWPN should be included in the zone?

- A.50:06:01:61:BB:24:02:07
- B.50:06:01:69:BB:24:02:07
- C.50:06:01:61:BB:20:02:07
- D.50:06:01:69:BB:20:02:07

Answer: B

13. When retrieving an SPCollect from a CX4 array, what is the location of the files shown in the file transfer manager of the storage processor?

- A.C:\CLARiiON\logs
- B.C:\dumps
- C.C:\logs
- D.C:\Navisphere\logs

Answer: B

14.

Your customer is serially connected using PPP from a management station to an array. What is the maximum baud rate that can be used for a dial-up networking environment?

- A.9,600
- B.19,200
- C.38,400
- D.115,200

Answer: B

15. Which two services are started automatically, after installing CLARAlert?

- A. ConnectEMC, Navisphere Manager
- B. EMCRemote, Navisphere Manager
- C. Navisphere Agent, ConnectEMC
- D. Navisphere Agent, EMCRemote

Answer: C

16. How is Write cache mirrored in a CLARiiON array?

- A. Write data is mirrored through the SP agent over the service port connections.
- B. Write data is received by the target SP and copied to the peer SP through the CMI bus.
- C. Write data is sent to each SP from the host and compared through the CMI bus.
- D. Write data is sent to the target LUN and read back to the peer SP.

Answer: D

17. The output file of an SPCollect generated from CAP2 is in which format?

- A.doc
- B.html
- C.xml
- D.zip

Answer: C

18.Which GUI utility in CAP2 displays storage processor event logs?

- A.EIP
- B.HEAT
- C.SPLAT
- D.SWAT

Answer: C

19.Which IP address is required when configuring Centralized monitor Email-Home during the CLARAlert ConnectEMC installation?.

- A.EMC ControlCenter Server
- B.ESRS Gateway
- C.Portal System
- D.SMTP Server

Answer: D

20.What additional reference material is included in the CLARiiON Procedure Generator?

- A.CLARiiON Array Pocket Reference Document
- B.CLARiiON Best Practices Reference Document
- C.CLARiiON Default Configurations Document
- D.CLARiiON Features and Functionality Document

Answer: A

21.How many SPE power supplies are needed to start Write caching on a CLARiiON CX3-20?.

- A.1
- B.2
- C.3
- D.4

Answer: B

22.There is a power supply faulted on each of the SPs of a CX4-480.

Does the array have write cache enabled and is the array in High Availability mode?.

- A.The array does not have write cache enabled and is not in High Availability mode.
- B.The array does not have write cache enabled but is in High Availability mode.
- C.The array has write cache enabled and is also in High Availability mode.
- D.The array has write cache enabled but is not in High Availability mode.

Answer: C

23.Click the Exhibit Button.

On the CX4-960 power cabling diagram, what does "a" depict?

- A.The input power to the first disk-array enclosure (DAE) from the standby power supply (SPS) units
- B.The input power to the remaining disk-array enclosure (DAE) from the Power Distribution Unit (PDU)
- C.The input power to the standby power supply (SPS) units from the power distribution units (PDUs)
- D.The input power to the storage processor enclosure (SPE) power supplies from the standby power

supply (SPS) units

Answer: C

24. When performing a proactive drive replacement on CLARiiON CX4 series, what is the preferred method?

- A. Reseat the suspect drive to see if the errors cleared
- B. Run Background Verify to determine if there are any uncorrectable errors
- C. Use Navisphere Manager to access the suspect drive and initiate a copy to hot spare
- D. Use the Navisphere Service Taskbar Disk Replacement Utility

Answer: C

25. On CLARiiON Fibre Channel arrays, which type of protection is used on the FLARE Db?

- A. Double mirrored
- B. RAID 3
- C. RAID 5
- D. Triple mirrored

Answer: D

26. Which parity calculation method does RAID 5 use?

- A. Even
- B. Odd
- C. XNOR
- D. XOR

Answer: D

27. Your customer has discovered that the boot images for both SPA and SPB in their CX3-80 are corrupt and will need re-imaging. The recovery image file was not loaded to the array during the last software upgrade.

What is the file extension for the "reactive" recovery file?.

- A. ENA
- B. MIF
- C. NDU
- D. PBU

Answer: B

28. Under which failure scenario, with FLARE 28, will the array maintain cache?

- A. Multiple SPB power supplies on CX4-120
- B. Multiple vault drives on CX4-240
- C. Multiple standby power supplies (SPS) on CX4-480
- D. Multiple power supplies on CX4-960

Answer: A

29. Your customer has MirrorView installed and configured on their CX4-480, and they are installing two additional FE UltraFlex I/O modules in the array.

Will the MirrorView ports on the array need to be reconfigured and moved to the highest numbered ports on the new modules?

A.No. The CLARiiON will automatically move the ports to the highest numbered port on the array.

B.No. The ports will not need to be reconfigured; the ports will stay the same.

C.Yes. The ports will need to be auto-assigned by the SPs and moved accordingly.

D.Yes. The ports will need to be reconfigured in Navisphere Manager to the highest port numbers.

Answer: B

30.Which process, internal to FLARE, will help to minimize the possibility that a disk defect will remain undetected?

A.RLSParser

B.Scrubber

C.SNiFFER

D.Zero disk

Answer: C