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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