

E20-624 34 Q&S EMC EMCPE VMAX Family Specialist Exam for Platform Engineers

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Certification: EMCPE VMAX Family

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Question 1

Which VMAX3 model(s) has a maximum cache, per engine, of 2 TB and supports a maximum of 2880 2.5" drives?

- A. VMAX 100K
- B. VMAX 200K only
- C. VMAX 200K and VMAX 400K
- D. VMAX 400K only

Correct Answer: C

Question 2

Which TimeFinder SnapVX feature provides for the automatic termination of a snapshot?

- A. Time to Terminate
- B. Time to Expire
- C. Auto Snap Terminate
- D. Time to Live

Correct Answer: D Section: (none) Explanation

Explanation/Reference:

Reference: <https://www.emc.com/collateral/TechnicalDocument/docu78906.pdf>

Question 3

On a VMAX3, how many different user roles are available when using user-based authorization?

- A. 4
- B. 6
- C. 7
- D. 9

Correct Answer: A Section: (none) Explanation

Explanation/Reference:

Reference: <https://www.emc.com/collateral/TechnicalDocument/docu68889.pdf>(p.62)

Question 4

Which VMAX model can have up to eight engines (1 or 2 system bays), 3200 drives (2.5"), 4 PBu capacity, 2 TB cache, and 128 ports?

- A. 20K
- B. 40K
- C. 200K
- D. 400K

Correct Answer: B Section: (none) Explanation

Explanation/Reference:

Reference:[https://uk.emc.com/collateral/hardware/technical-documentation/h6109-mainframetechnology.pdf\(p.33\)](https://uk.emc.com/collateral/hardware/technical-documentation/h6109-mainframetechnology.pdf(p.33))

Question 5

When can D@RE be enabled on a VMAX 20K?

- A. Any time with a bin file change
- B. During an FE I/O module upgrade
- C. At installation with the 'Configure and Install New' script
- D. When Engines 1-3 or 6-8 are added

Correct Answer: C

Question 6

You are working on a VMAX dual engine system bay that includes three SPS trays. Which system bay number(s) will support this SPS configuration?

- A. System Bay 1 only
- B. System Bays 1-4
- C. System Bay 2 only
- D. System Bay 4 only

Correct Answer: A

Question 7

What will support the SRDF/A Multi-Cycle mode when multiple SRDF/A cycles are created on the R1 side?

- A. VMAX3 source and VMAX target
- B. DMX source and VMAX3 target
- C. VMAX3 source and VMAX3 target
- D. VMAX source and VMAX3 target

Correct Answer: D

Question 8

How many CPU cores are found in a fully populated 8-engine VMAX3 array?

- A. 128
- B. 192
- C. 256
- D. 384

Correct Answer: D

Question 9

What is the maximum number of front-end ports for host connectivity in a VMAX 100K?

- A. 32
- B. 64
- C. 128
- D. 256

Correct Answer: D Section: (none)Explanation

Explanation/Reference:

Reference:<http://techcloud.in/emc-vmax3-architecture-features/>

Question 10

Based on the exhibit, which directors are cabled to Ports 4 and 5 of the MIBE on a VMAX 40K?

- A. 4 and 5
- B. 5 and 6
- C. 11 and 12
- D. 13 and 14

Correct Answer: A

Question 11

Which two types of DAEs are available in all system bays of a VMAX3 family array?

- A. 9-drive DAE and 15-drive DAE
- B. 12-drive DAE and 15-drive DAE
- C. 15-drive DAE and 25-drive DAE
- D. 60-drive DAE and 120-drive DAE

Correct Answer: D Section: (none)Explanation

Explanation/Reference:

Reference:<https://www.emc.com/collateral/hardware/specification-sheet/h13217-vmx3-ss.pdf>
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Question 12

<http://www.aooowe.com>



Based on the exhibit, what does the highlighted component in the high density VMAX 10K file system represent?

- A. Control Stations
- B. Uninterruptible Power Supply
- C. InfiniBand Switches
- D. MIBEs

Correct Answer: D

Question 13

When connecting to a VMAX3 system from the POS Work Tray located in System Bay 2, what is the correct IP address for the field service laptop?

- A. Use DHCP
- B. 172.2.255.110
- C. 172.16.255.110

D. 172.17.255.110
Correct Answer: A

Question 14

Which VMAX3 task is performed by the “Verify VMAX Setup” script?

- A. Configure the installed software
- B. Load drives per order
- C. Load LCC firmware
- D. Confirm MMCS connectivity

Correct Answer: D

Question 15

When logging into a VMAX3 array, which management GUI will be automatically logged into when the CE credentials are provided from the SSC login?

- A. VMAX Manager
- B. Unisphere for VMAX
- C. Simplified SymmWin
- D. SymmWin

Correct Answer: B

Question 16

Which SRDF mode uses both SRDF and TimeFinder to provide a periodic asynchronous remote replication of a restartable image for a Microsoft Windows host?

- A. SRDF/CG
- B. SRDF/A
- C. SRDF/S
- D. SRDF/AR

Correct Answer: B

Question 17

What is the SPS hold-up time limitation in minutes?

- B. 2
- C. 4
- D. 5

Correct Answer: D Section: (none)Explanation

Explanation/Reference:

Reference: <https://www.emc.com/collateral/hardware/white-papers/h7138-workload-resiliency-vplex-wp.pdf>

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Question 18

Which tool can be used to beacon the light bar on a VMAX3?

- A. SMC SymmWin
- B. Unisphere for VMAX SymmWin
- C. Unisphere for VMAX Solutions Enabler
- D. SMC Solutions Enabler

Correct Answer: D

Question 19

If a VMAX3 System Bay 1 can have two additional standby power supplies located at the bottom of the cabinet, when would they be needed?

- A. When adding additional DAEs
- B. When a third system bay is added

- C. When more than one engine is installed
- D. When using the work tray in System Bays 2-8

Correct Answer: A

Question 20

You are inspecting a VMAX3 at a customer site. Which physical component will differentiate a VMAX 400K from other VMAX models?

- A. Dual 12-port InfiniBand fabric switches
- B. Dual 18-port InfiniBand fabric switches
- C. Dual Ethernet switches
- D. Dual MMCS

Correct Answer: B

Question 21

A customer wants to configure SRDF between two VMAX3 arrays and one VMAX2 array. They have a growing number of applications and want to separate each application into its own SRDF group.

What is the maximum number of SRDF groups this configuration will support when connecting to the VMAX2?

- A. 64
- B. 122
- C. 184
- D. 250

Correct Answer: A

Question 22

You are working on a VMAX family array with a S/N Identifier of x987. Based on the S/N Identifier given, what is the array model?

- A. 10K
- B. 40K
- C. 100K
- D. 200K

Correct Answer: A

Question 23

In a VMAX3 bay configured with only one engine, to which component(s) does SPS 3A/3B supply power?

- A. InfiniBand switches
- B. Engine only
- C. Engine and Fabric
- D. Fabric only

Correct Answer: B

Question 24

You are performing a spare replacement script after the EMC Certified Data Erasure feature has completed. However, the erasure was not successful. What should be performed next?

- A. Use a Data Erase Appliance to erase the drive
- B. Perform a selective VTOC on the drive
- C. Retry the EMC Certified Data Erasure script again
- D. Give the failed disk to the customer

Correct Answer: B

Question 25

A customer needs to back up data from an EMC VMAX3 to a Data Domain system. What is the most efficient EMC product that meets this requirement?

- A. Avamar
- B. NetWorker
- C. RecoverPoint
- D. ProtectPoint

Correct Answer: D Section: (none) Explanation

Explanation/Reference:

Reference: <https://www.emc.com/collateral/solution-overview/h13239-data-protection-emc-vmx-so.pdf>

Question 26

What is the maximum number of linked targets, per source, allowed with TimeFinder SnapVX?

- A. 256
- B. 512
- C. 1024
- D. 2048

Correct Answer: C Section: (none) Explanation

Explanation/Reference:

Explanation:

Reference: <https://ireland.emc.com/collateral/TechnicalDocument/docu68926.pdf>(p.26)

Question 27



What is the purpose of the blue triangles located on PDU-A and PDU-8 on the VMAX3 array shown in the exhibit?

- A. Master power breaker for the given PDU
- B. Color coding
- C. Separate the two PDUs
- D. Lock/Unlock the PDU from the rack

Correct Answer: A

Question 28

You have selected to run an MMCS-1 replacement from MMCS-2. What will happen to MMCS-2

when “run” the MMCS-1 replacement task is clicked?

- A. Secondary MMCS-2 becomes the Primary MMCS-2
- B. Secondary MMCS-2 becomes the Elevated Secondary MMCS-2
- C. Secondary MMCS-2 becomes the Elevated Primary MMCS-2
- D. MMCS-1 becomes the Elevated Primary MMCS-1

Correct Answer: A

Question 29

DRAG DROP

What is the correct sequence of steps for VMAX3 HYPERMAX OS FAST write operations?
Select and Place:

Acknowledgment is sent to the host indicating that the data has been written	STEP 1
Write command is sent from the host	STEP 2
VMAX3 updates the metadata in global memory	STEP 3
Back-end ports asynchronously de-stage the data from global memory to the pool	STEP 4
Front-end port places the incoming data directly into global memory	STEP 5

Correct Answer:

Write command is sent from the host
Acknowledgment is sent to the host indicating that the data has been written
Front-end port places the incoming data directly into global memory
Back-end ports asynchronously de-stage the data from global memory to the pool
VMAX3 updates the metadata in global memory

Question 30

Which power zone, outlet, and breaker is responsible for supplying power to the KVM on a VMAX3 system?

- A. Power Zone A, Outlet 1, Breaker 1
- B. Power Zone A, Outlet 2, Breaker 1
- C. Power Zone B, Outlet 10, Breaker 3
- D. Power Zone B, Outlet 20, Breaker 5

Correct Answer: C

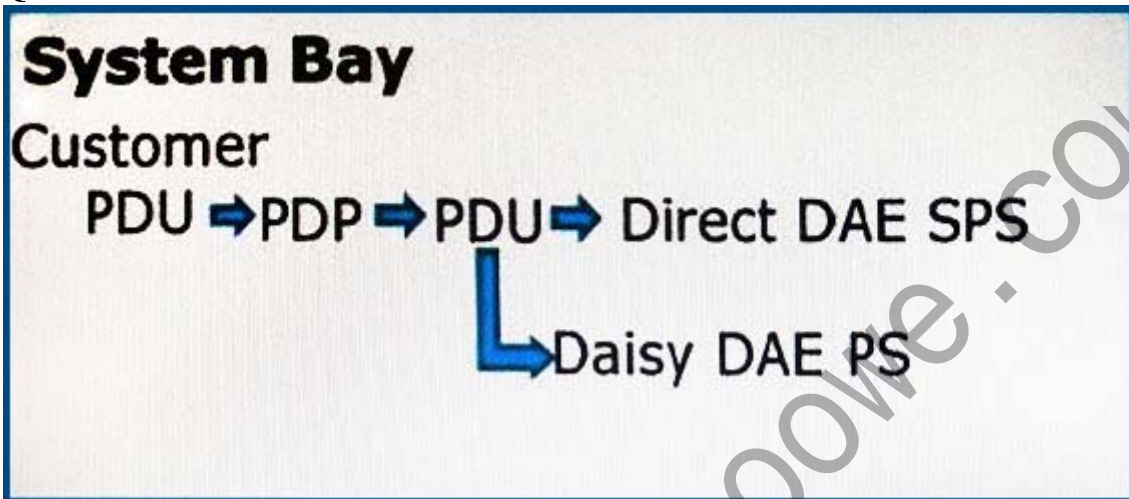
Question 31

What is the maximum number of storage bays configurable on a 4-engine VMAX 40K density configuration?

- A. 2
- B. 4
- C. 6
- D. 8

Correct Answer: B

Question 32



Based on the exhibit, which VMAX model will have the sequence of power transmission?

- A. 10K
- B. 20K
- C. 100K
- D. 200K

Correct Answer: B

Question 33

What is the load limit when the fork set is attached directly to the Alum-a-lift lower mast assemble?

- A. 115 lbs
- B. 150 lbs
- C. 225 lbs
- D. 400 lbs

Correct Answer: D

Question 34

Immediately after powering on a VMAX installation, you notice that a DAE ID is incorrectly set. Which action can be used to correctly set the DAE ID?

- A. Reset the DAE ID and power cycle the storage bay
- B. DAE ID can be reset by selecting the correct ID
- C. Reset the DAE ID and reseal the cables connected to the DAE
- D. Reset the DAE ID and power cycle the engine in which the DAE is attached

Correct Answer: A