

# E20-562<sup>Q&As</sup>

VPLEX Specialist Exam for Storage Administrators

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#### QUESTION 1

What is the maximum number of virtual volumes that can be placed into a single consistency group?

- A. 800
- B. 900
- C. 1000
- D. 1100

Correct Answer: C

Reference: [http://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ucs-director/vplex-mgmt-guide/5-0/b\\_Cisco\\_UCSD\\_VPLEX\\_MGT\\_GD\\_50/b\\_Cisco\\_UCSD\\_VPLEX\\_MGT\\_GD\\_50\\_chapter\\_011.html#concept\\_F8B4897EFD7649EEAC32F11625C70320](http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director/vplex-mgmt-guide/5-0/b_Cisco_UCSD_VPLEX_MGT_GD_50/b_Cisco_UCSD_VPLEX_MGT_GD_50_chapter_011.html#concept_F8B4897EFD7649EEAC32F11625C70320)

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#### QUESTION 2

At which layer of the director IO stack are local and distributed mirroring managed?

- A. Coherent Cache
- B. Storage Volume
- C. Device Virtualization
- D. Storage View

Correct Answer: B

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#### QUESTION 3

Which type of volumes has individual synchronized copies of data (mirrors) in more than one cluster?

- A. Distributed device
- B. Extent
- C. Storage volume
- D. Virtual volume

Correct Answer: D

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#### QUESTION 4

When is expanding a virtual volume using the Storage Volume expansion method a valid option?

- A. Virtual volume previously expanded by adding extents or devices
- B. Virtual volume is mapped 1:1 to the underlying storage volume
- C. Virtual volume is a metadata volume
- D. Virtual volume has minor problems, as reported by health-check

Correct Answer: B

Reference: <https://logicalblock.wordpress.com/2014/01/28/how-to-expanding-vplex-virtual-volumes/>

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#### QUESTION 5

Which VPLEX model is recommended for VPLEX for All Flash (VAF)?

- A. VS2 and VS6
- B. VS6 only
- C. VS2 only
- D. VS1

Correct Answer: B

Reference: [https://store.emc.com/us/Product-Family/VPLEX-PRODUCTS/Dell-EMC-VPLEX-for-All-Flash/p/Dell-EMC-VPLEX-for-All-Flash?PID=EMC\\_SRS-VPLEXFAF-951A\\_SPLSH](https://store.emc.com/us/Product-Family/VPLEX-PRODUCTS/Dell-EMC-VPLEX-for-All-Flash/p/Dell-EMC-VPLEX-for-All-Flash?PID=EMC_SRS-VPLEXFAF-951A_SPLSH)

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#### QUESTION 6

What can be used to monitor VPLEX performance parameters?

- A. VPLEX Cluster Witness
- B. Unisphere Performance Monitor Dashboard
- C. EMC SolVe Desktop
- D. EMCREPORTS utility

Correct Answer: B

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#### QUESTION 7

LUNs belonging to an ESXi cluster were encapsulated behind VPLEX. What information must be shared with the ESXi administrator so that they can re-discover the datastore and the RDM LUNs?

- A. Virtual volume VPD
- B. UUID of back-end LUN

C. VML ID

D. WWN: WWPN

Correct Answer: D

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#### QUESTION 8

What is a supported geometry for a VPLEX device?

A. JBOD

B. RAID-5

C. RAID-C

D. 2-1 mapping

Correct Answer: C

Reference:<http://blog.scottlowe.org/2010/12/13/a-quick-review-of-vplex-storage-objects/>

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#### QUESTION 9

How are physical ports numbered for each I/O module in VS6 VPLEX hardware?

A. Director-A: 0 to 3 from the top Director-B: 0 to 3 from the bottom

B. Director-A: 1 to 4 from the bottom Director-B: 1 to 4 from the top

C. Director-A: 0 to 3 from the bottom Director-B: 0 to 3 from the top

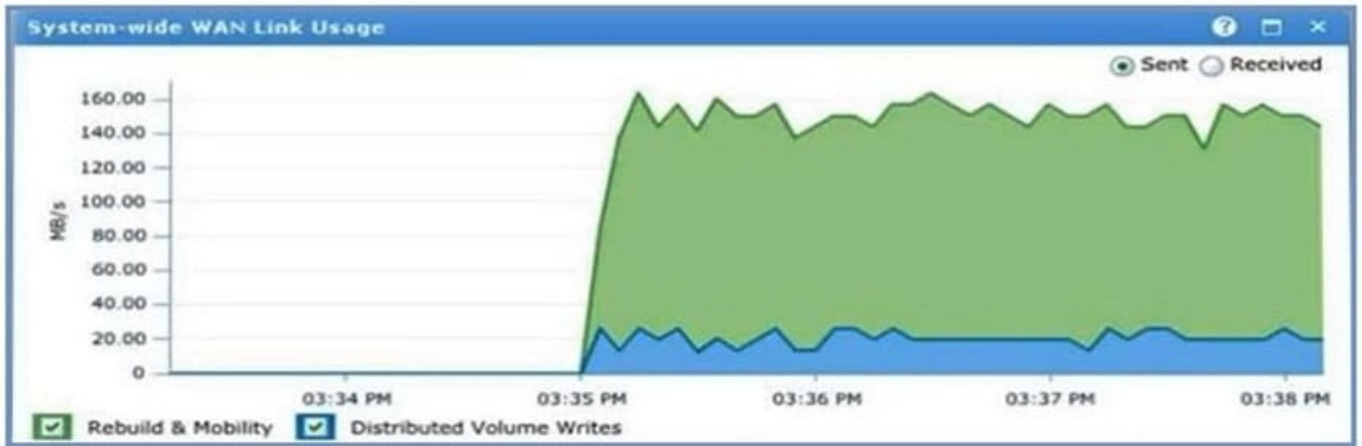
D. Director-A: 1 to 4 from the top Director-B: 1 to 4 from the bottom

Correct Answer: B

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#### QUESTION 10

Refer to the exhibit.



A virtual volume created on a distributed device is experiencing performance problems. The virtual volume is in a storage view in Cluster-1.

What could be the issue?

- A. There is storage volume contention on Cluster-2
- B. A WAN COM failure has occurred
- C. Distributed device I/O is exceeding WAN COM bandwidth
- D. Device mobility jobs are moving data across the WAN COM

Correct Answer: C

#### QUESTION 11

A storage administrator wants to view additional performance metrics for their VPLEX cluster. The administrator runs the report create-monitors command to help with this task.

- A. Disks, ports, and volumes
- B. Disks, volumes, and hosts
- C. Disks, storage views, and ports
- D. Disks, initiators, and storage volumes

Correct Answer: A

Reference: <https://vzaigrin.wordpress.com/2016/07/21/vplexcollector-tool-for-gathering-emc-vplex/>

#### QUESTION 12

A new VPLEX system has been installed that uses ESRS. The firewall administrator has opened ports 25, 9010, and 5901 between VPLEX and ESRS. A support ticket is logged. While trying to troubleshoot, the technical support engineer cannot access the GUI of VPLEX.

Which port needs to be opened on the firewall?

- A. 21
- B. 443
- C. 3268
- D. 8080

Correct Answer: B

The VPLEX Management Console's graphical user interface (GUI) is accessible as a web service on the management server's public Ethernet port and the service port, using the HTTPS protocol. It is available on the standard port 443. Reference: <http://www.vclouds.nl/wp-content/uploads/2012/04/300-010-493.pdf>

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### QUESTION 13

Using the Storage Volume expansion method for virtual volumes built on RAID-1 or distributed RAID-1 devices, what is the maximum number of initialization processes that can run concurrently, per cluster?

- A. 100
- B. 250
- C. 500
- D. 1000

Correct Answer: D

Reference: <https://www.gotomojo.com/wp-content/uploads/2019/07/Dell-VPLEX-Admin-Guide.pdf> (page 106, limitations with storage-volume expansion)

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### QUESTION 14

A company has deployed a VPLEX Metro protecting two applications without Cluster Witness:

-App1 distributed virtual volumes are added to CG1, which has detach-rule set cluster-1 as winner -App2 distributed virtual volumes are added to CG2, which has detach-rule set cluster-2 as winner What should be the consequence if there is a WAN COM failure for an extended period?

- A. I/O for CG1 is suspended at cluster -1; I/O is serviced at cluster-2 I/O for CG2 is serviced at cluster -1; I/O is suspended at cluster-2
- B. I/O for CG1 is suspended at cluster -1; I/O is serviced at cluster-2 I/O for CG2 is serviced at cluster -2; I/O is suspended at cluster-1
- C. I/O for CG1 is detached at cluster -1; I/O is serviced at cluster-2 I/O for CG2 is detached at cluster -2; I/O is serviced at cluster-1
- D. I/O for CG1 is serviced at cluster -1; I/O is suspended at cluster-2 I/O is serviced for CG2 at cluster -2; I/O is suspended at cluster-1

Correct Answer: C

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**QUESTION 15**

How many copies can RecoverPoint maintain in a MetroPoint topology?

- A. 4
- B. 5
- C. 6
- D. 8

Correct Answer: A

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