

# Dell Powerflex Design 2023 Exam

1. Which are two prerequisites for adding volumes using PowerFlex Manager? (Select 2)

A. Minimum of two SDC nodes

B. Minimum device free capacity of 240 GB

C. Minimum device free capacity of 200 GB

D. Minimum of three-node MDM cluster

E. Minimum of three SDS nodes

**Answer(s): B,C**

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2. What is the purpose of tree quotas in PowerFlex?

A. Limit the overall I/O to a specific directory on the file system

B. Limit the overall storage capacity of the file system

C. Limit the maximum size of a directory on the file system.

**Answer(s): C**

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3. An administrator must create a file system for an application that provides exactly 500 GB of usable space.

A. 502 GB

B. 500 GB

C. 505.5 GB

D. 501.5 GB

**Answer(s): D**

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4. For which component does the CloudLink Agent unlock the drives?

A. SDT

B. SDC

C. SDS

D. MDM

**Answer(s): C**

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5. A customer wants to generate a troubleshooting bundle of PowerFlex system activity.

A. VMware ESXi

B. Dell PowerSwitch

C. Cloudlink Center

D. CloudIQ

E. Secure Connect Gateway

**Answer(s): A,B,C**

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6. In the context of data protection, what does a snapshot schedule in PowerFlex primarily ensure?

A. Consistency in backup timing

B. High availability across clusters

C. Reduced data deduplication time

D. Enhanced replication performance

**Answer(s): A**

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7. An administrator wants to delete a secure snapshot that was created 30 days ago and has a 60-day expiration period. The snapshot was created by a snapshot policy and lock is enabled.

A. Use the Dual Signature Policy agreement with Dell

B. Disable the snapshot policy lock on the snapshot.

C. Change the snapshot expiration period to 30 days

**Answer(s): B**

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8. An administrator is migrating a vTree for a snapshot to a different storage pool.

A. There are volumes that are involved in the replication process.

B. The volume is a source volume of a snapshot policy between storage pools with the same data layout

C. The vTree contains an auto-created snapshot

D. The migration is between storage pools with a different data layout with multiple volumes in the vTree

**Answer(s): D**

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9. In PowerFlex, what is the primary function of a Storage Quality of Service (QoS) profile?

A. To regulate I/O rates for different volumes

B. To manage network bandwidth allocation

C. To control the power consumption of storage hardware

D. To limit the number of snapshots per volume

**Answer(s): A**

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**10.** Which configuration setting is crucial for integrating PowerFlex with VMware environments?

A. Multi-pathing configuration

B. VMotion compatibility

C. Hyper-threading enablement

D. Virtual switch settings

**Answer(s): A**

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**11.** Which action is part of configuring PowerFlex Nodes?

A. Installing applications

B. Defragmenting disks

C. Configuring network settings

D. Optimizing CPU usage

**Answer(s): C**

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**12.** Which maintenance mode must be selected when the maintenance window is longer than 30 minutes?

A. Protected Maintenance Mode

B. Instant Maintenance Mode

C. Service Maintenance Mode

**Answer(s): A**

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**13.** A customer has ordered five servers with NVDIMMs Each server has 5 x 3 84 TB SAS and 5 x 3 84 T8 NVMe disks They want to ensure that the highest capacity of storage is available to the system.

A. One Storage Pool and one Acceleration Pool

B. One Acceleration Pool only

C. One Storage Pool only

D. One Acceleration Pool and two Storage Pools

**Answer(s): A**

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**14.** Which PowerFlex offering is a fully engineered system that comes with licensing and a unified management platform?

A. PowerFlex custom node

B. PowerFlex appliance

C. PowerFlex rack

D. PowerFlex software only

**Answer(s): C**

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**15.** Which of the following are valid methods for restoring a PowerFlex cluster after a disaster?  
(Select all that apply)

A. Snapshot rollback

B. Incremental backup restoration

C. Cloud-based recovery

D. Bare-metal restore

**Answer(s):** C,D

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**16.** Which PowerFlex component enables integration with third-party management tools?

A. PowerFlex Gateway

B. PowerFlex Node

C. PowerFlex Volume

D. PowerFlex Manager

**Answer(s):** A

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**17.** What is the role of a tiebreaker MDM in a PowerFlex cluster?

A. Acts as a manager MDM and controls the SDSs and SDCs

B. Helps with determining the primary MDM within the cluster

C. Serves as a standby MDM and can be promoted to a cluster member

D. Ensures even distribution of storage demand across available resources

**Answer(s):** B

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18. Which PowerFlex software allows the cluster to make data available over NAS"

A. FSN

B. SDR

C. LIA

D. SDT

**Answer(s): A**

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19. An administrator wants to run a backup manually in PowerFlex Manager. Under which tab can a user find the backup option?

A. Events & Alerts

B. Security

C. Serviceability

**Answer(s): C**

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20. What is a Storage Pool in PowerFlex?

A. A network segment dedicated to storage traffic

B. A group of disks or SSDs used for storing data

C. A virtual machine hosting storage management software

D. A backup server for disaster recovery purposes

**Answer(s): B**

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