

# Use EMC D-PWF-OE-00 Questions - Complete Study Material For EMC Exam

## EMC FINAL EXAM Questions & Answers 100% Correct!

As mentioned in Chapter 13, the first technological breakthrough in electronic devices in cars was the - ANSWERSCar Radio

The technology of cruise control in cars is not considered an influential innovation in telecommunications of automotive telematics - ANSWERSFALSE

When was the first GSM (Global System for Mobile communication) and GPS (Global Positioning System) brought to the market? - ANSWERS2000

According to Google's research team, these types of cars could reduce road fatalities and injuries by up to 90 percent - ANSWERSSelf-driving Cars

Chapter 13 states that another area to study is technology that enables vehicle-to-vehicle communication. The U.S government is moving on new rules requiring future vehicles to come with Wi-Fi technology necessary for cars to communicate with one another. This is an example of what type of IoT relationship? - ANSWERSThings-to-things

The \_\_\_\_\_ was a gaming console, which allowed players to place plastic overlays on the screen to create visuals to play games such as hockey, football and tennis. - ANSWERSMagnavox Odyssey

\_\_\_\_\_ is credited for being the "Father of the Video Game" as he (and his team) developed the first commercial home gaming console. - ANSWERSRalph Baer

As of 2015, according to ESA (Entertainment Software Association), what was the top selling video game? - ANSWERSCall of Duty: Black Ops III

On the ESA top 20 selling COMPUTER games of 2015, which gaming series holds at least 9 out of 20 spots? - ANSWERSThe Sims

\_\_\_\_\_ was invented by American nuclear physicist, Willy Higinbotham at Brookhaven National Laboratory in 1958. - ANSWERTennis for Two

In the early 1970s (first generation), dedicated gaming consoles began to appear, starting with the \_\_\_\_\_ in 1972 - ANSWERSMagnavox Odyssey

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## EMC Dell PowerFlex Operate Exam Sample Questions (Q69-Q74):

### NEW QUESTION # 69

PowerFlex upgrades require all nodes to be in Maintenance Mode. True. False.

- A. True
- B. False

**Answer: A,B**

Explanation:

PowerFlex is designed for Non-Disruptive Upgrades (NDU). Requiring all nodes to be in maintenance mode simultaneously would cause a complete cluster outage (Data Unavailable), which defeats the purpose of the architecture.

The upgrade process is rolling.

- \* Node 1 enters Maintenance Mode (data is safe on other nodes).
- \* Node 1 is upgraded and rebooted.
- \* Node 1 rejoins the cluster and syncs data.
- \* The system moves to Node 2.

At no point is the entire cluster in maintenance mode. The cluster remains online and serves I/O throughout the entire process.

### NEW QUESTION # 70

What is a key requirement for adding new nodes to an existing PowerFlex cluster?

- A. Preconfigure deduplication on the new nodes
- B. Assign VLAN tags for replication traffic
- C. Ensure the new nodes are in the same Protection Domain
- D. Validate hardware compatibility with the cluster

**Answer: D**

Explanation:

\* Validate hardware compatibility (Option C): The most critical technical requirement is ensuring the new nodes are compatible with the existing cluster. This includes verifying that the CPU, RAM, and most importantly, the network interface cards (NICs) and storage devices match the existing nodes or are supported in a mixed-node configuration. Adding a node with incompatible hardware can cause instability or performance degradation (the "straggler" effect).

Incorrect Options:

- \* Same Protection Domain (A): You can add nodes to a new Protection Domain if you are creating a new fault zone.
- \* Preconfigure deduplication (B): Deduplication is a Storage Pool setting, not a node setting.
- \* VLAN tags (D): While networking is important, hardware compatibility is the fundamental prerequisite before configuring network tags.

### NEW QUESTION # 71

What are two primary benefits of the PowerFlex software-defined architecture? (Choose two)

- A. High scalability (linear scale-out)
- B. Integrated DR planning tools
- C. High performance optimization for databases and mission-critical workloads
- D. Integrated tape backup support

**Answer: A,C**

Explanation:

PowerFlex is engineered for high-performance, massive-scale environments.

\* High Scalability (Option B): PowerFlex utilizes a scale-out architecture. Unlike traditional dual- controller arrays where adding capacity often doesn't increase processing power, PowerFlex allows you to add x86 nodes to the cluster. Each node adds both Storage Capacity and I/O Processing Power.

This results in linear scalability-if 3 nodes provide 100k IOPS, 6 nodes will provide roughly 200k IOPS, scaling up to thousands of

nodes.

\* High Performance (Option D): PowerFlex uses a mechanism called Mesh Mirroring. It divides data into small chunks and distributes them across all drives in the storage pool. When a host reads or writes data, it engages the I/O resources of every node in the cluster simultaneously. This parallelism eliminates bottlenecks, making it ideal for high-throughput databases (like Oracle RAC or SQL Server) and mission-critical applications requiring sub-millisecond latency.

### NEW QUESTION # 72

What is the benefit of enabling deduplication in PowerFlex storage?

- A. Reduces data redundancy and capacity footprint
- B. Enhances data replication speed
- C. Increases node discovery rates
- D. Ensures fault tolerance

**Answer: A**

Explanation:

Deduplication (often paired with compression) is an efficiency feature available in PowerFlex Fine Granularity (FG) storage pools.

\* Reduces data redundancy (Option A): The primary purpose of inline deduplication is to identify repeated data patterns (blocks) as they are written to the system. Instead of writing the same 4KB block of zeroes or identical OS files multiple times, PowerFlex writes it once and creates pointers for subsequent writes. This significantly reduces the physical storage capacity required to store data, particularly in VDI (Virtual Desktop Infrastructure) or virtualized server environments where many VMs share similar OS files. Note: Deduplication is a trade-off; it saves space but requires more CPU/RAM overhead on the Storage Data Servers (SDS).

### NEW QUESTION # 73

What type of authentication is supported for managing user accounts in PowerFlex?

- A. RADIUS
- B. TACACS+
- C. LDAP
- D. SAML

**Answer: C**

Explanation:

LDAP (Lightweight Directory Access Protocol) is the primary external authentication method supported by the PowerFlex core (MDM) for managing user access.

\* Integration: PowerFlex can be configured to query an Active Directory or OpenLDAP server. This allows administrators to map AD Groups (e.g., "Storage Admins") to PowerFlex roles (e.g., "SuperUser"), centralizing password management and user termination.

\* Note on SAML: While PowerFlex Manager (the management platform) and newer versions (v4.x) support SAML/OIDC for Single Sign-On, LDAP remains the fundamental answer for core authentication in most exam contexts unless specifically asking about PowerFlex Manager 4.0 Identity Management. TACACS+ and RADIUS are network-centric protocols and are generally not supported by the PowerFlex storage core.

### NEW QUESTION # 74

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