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EMC Dell PowerEdge Operate v2 Exam Sample Questions (Q343-Q348):

NEW QUESTION # 343

What is the prerequisite for using BIOS Live Scanning?

- A. Enabled Secure boot
- B. Enable X2APIC mode
- C. iDRAC Datacenter license
- D. Server with Ice Lake processor

Answer: C

NEW QUESTION # 344

A technician wants to move memory from a few older system into a newer system. What is the most efficient method for the technician to accomplish this task?

- A. Power down all of the older servers to physically check the memory. Move any matching memory to the new server.
- B. Back up the server profile on the older server, move the matching memory, and import the server profile to the new server
- C. Use iDRAC to view the memory details of the older systems. Power down the servers to move matching memory to the new server
- **D. Power down any of the older servers to move any memory to the new server, update BIOS to allow mis-matched memory.**

Answer: D

NEW QUESTION # 345

Which three components do Dell PowerEdge Servers leverage to maximize AI workload throughput? (Select 3)

- **A. CPU**
- **B. FPGA**
- C. DPU
- **D. GPU**
- E. ASIC

Answer: A,B,D

Explanation:

Understanding Components that Maximize AI Workload Throughput in Dell PowerEdge Servers Server Components (26%)

Explain how expansion cards are connected and the features of the GPU, NDC, LOM, and OCP options Define the different processor, memory options, and memory configurations Overview Dell PowerEdge servers are designed to handle demanding workloads, including Artificial Intelligence (AI) applications. To maximize AI workload throughput, these servers leverage specific components that enhance computational capabilities and data processing efficiency. Components that Maximize AI Workload Throughput CPU (Central Processing Unit) The CPU is the primary processor in a server, responsible for executing general computing tasks. In AI workloads, CPUs handle tasks that require complex logic and sequential processing.

Features in Dell PowerEdge Servers:

High core counts for parallel processing.

Support for advanced instruction sets optimized for AI computations. Multi-threading capabilities to handle multiple processes simultaneously. GPU (Graphics Processing Unit) GPUs are specialized processors designed to handle parallel processing tasks efficiently. They excel in performing the matrix and vector operations common in AI algorithms, such as deep learning and neural networks.

Features in Dell PowerEdge Servers:

Integration of high-performance GPUs from leading vendors like NVIDIA.

Support for multiple GPUs in a single server to scale performance.

High memory bandwidth to handle large datasets.

FPGA (Field-Programmable Gate Array)

FPGAs are integrated circuits that can be configured by the customer or designer after manufacturing. They offer customizable hardware acceleration for specific tasks, making them suitable for specialized AI applications.

Features in Dell PowerEdge Servers:

Ability to offload specific AI algorithms for faster processing.

Reconfigurable to adapt to different AI models or workloads.

Lower latency compared to general-purpose processors.

Evaluation of Options

Option A: DPU (Data Processing Unit)

DPUs are specialized processors designed to offload networking and storage tasks from the CPU. While beneficial for certain workloads, they are not primarily used to maximize AI workload throughput in Dell PowerEdge servers.

Conclusion: Not one of the primary components leveraged for AI workloads.

Option B: ASIC (Application-Specific Integrated Circuit)

ASICs are custom-designed chips optimized for a particular application. While they can be used in AI applications, they are not commonly leveraged in Dell PowerEdge servers for AI workload throughput.

Conclusion: Not a standard component in Dell PowerEdge servers for AI workloads.

Option C: FPGA

Correct Answer. FPGAs are leveraged in Dell PowerEdge servers to accelerate AI workloads through hardware customization.

Option D: GPU

Correct Answer. GPUs are extensively used in Dell PowerEdge servers to maximize AI workload throughput due to their parallel processing capabilities.

Option E: CPU

Correct Answer. CPUs are fundamental components that, when combined with GPUs and FPGAs, contribute to maximizing AI workload throughput.

Dell Operate Reference

Server Components (26%):

Understanding how CPUs, GPUs, and FPGAs function and their roles in enhancing server performance for AI workloads is crucial.

Define the different processor, memory options, and memory configurations: Knowledge of CPU capabilities is essential.

Explain how expansion cards are connected and the features of the GPU, NDC, LOM, and OCP options: Understanding GPU and FPGA integration into servers.

Conclusion

Dell PowerEdge servers leverage CPUs, GPUs, and FPGAs to maximize AI workload throughput. These components work together to provide the necessary computational power and efficiency required for demanding AI applications.

NEW QUESTION # 346

The operating system on a Dell PowerEdge R760xa fails to boot.

What iDRAC feature under the iDRAC UI Troubleshooting tab can be used to diagnose the issue?

- A. POST code state
- B. SupportAssist collection
- C. System Event Logs
- D. Post package repair

Answer: A

NEW QUESTION # 347

What is the minimum number of components, beside the system board, required to POST?

- A. 1 PSU, 1 DIMM, and 1 CPU only
- B. 1 PSU and 1 CPU only
- C. 1 PSU, 1 CPU, 1 DIMM, and PERC SAS controller
- D. PSUs, CPUs, and DIMMs as configured in BIOS

Answer: A

NEW QUESTION # 348

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For example, a route for traffic could be Valid D-PE-OE-01 Test Topics changed to route through a device that is able to capture the traffic and resend it leaving few footprints of attack, The transactions Valid D-PE-OE-01 Test Topics would always succeed, unless both cores tried to update the same node.

