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Exam : **HPE7-S02**

Title : Advanced HPE Compute
Integrator Solutions Written
Exam

Version : DEMO

1.A Solutions Architect is designing a complete HPE Private Cloud AI solution. The design must meet the reference architecture's requirements for compute, networking, and storage.

Which combination of hardware components represents a valid reference architecture for this solution? (Select all that apply.)

- A. Networking: HPE Slingshot
- B. Storage: HPE GreenLake for File Storage
- C. Networking: Standard 100GbE RoCE Ethernet
- D. Storage: VMware vSAN
- E. Compute: HPE ProLiant DL380a Gen12
- F. Compute: HPE Cray XD2000

Answer: B, C, E

2.A user is running a distributed AI training job on two nodes in an HPE Private Cloud AI cluster. The job is performing poorly, and `nvidia-smi` on both pods shows low GPU utilization (~30%). The model is large and requires frequent gradient synchronization between the nodes.

What is the *most likely* bottleneck causing this optimization issue?

- A. The pod's memory `limit` is too low.
- B. The pod's CPU `request` is too low.
- C. A network issue (e.g., high latency, congestion, misconfigured RoCE) is delaying inter-node communication.
- D. The HPE GreenLake for File Storage is unresponsive.

Answer: C

3.A data scientist has deployed a custom model server in their namespace (`kubeflow-user-ds1`) in the HPE Private Cloud AI cluster. An integrator needs to make this service securely accessible to external users at the URL `https://my-model.pcaivendor.com`.

Which two Istio resources must the integrator create to correctly set up this secured ingress route? (Choose 2.)

- A. A `VirtualService` to define the host and route.
- B. A `NetworkPolicy` to allow traffic from the gateway.
- C. A new `Gateway` to open port 443.
- D. An `MLflow` model registry entry.
- E. An `AuthorizationPolicy` to require a valid Keycloak JWT.

Answer: A, E

4.An HPC Administrator needs to deploy a consistent operating system image to over 500 bare-metal compute nodes in an HPE Cray cluster.

Which HPE management software solution is the primary tool for this large-scale, image-based provisioning task?

- A. The HPE Slingshot Fabric Manager
- B. The Slurm Workload Manager
- C. HPE Performance Cluster Manager (HPCM)
- D. OpsRamp

Answer: C

5. An AI Administrator needs to track the full lifecycle of models being developed on the HPE Private Cloud AI platform. They need a central location to log parameters from training runs, save and compare metrics, and store the final model files.

Which integrated, open-source software component is included in PCAI to provide this experiment tracking and model registry functionality?

- A. Ray (Kuberay)
- B. Keycloak
- C. OpsRamp
- D. MLflow

Answer: D