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Supermicro SMI300XE

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QUESTION NO: 1

The IPMI health event log shows a red power-supply fault from earlier in the day, but the current power-supply sensor status is normal. What is the best next action?

- A. Review the event details and investigate the power supply for an intermittent condition.
- B. Clear the event log because the current sensor status is normal.
- C. Replace all GPUs because a power-supply event affects accelerator inventory.
- D. Change the IPMI password to reset the power-supply sensor status.

ANSWER: A

Explanation:

The best action is to review the event details, including the affected sensor and timestamp, and investigate the power-supply condition as a possible intermittent fault. A normal current sensor reading does not invalidate a recorded red-severity event; the event log provides the chronology needed to identify intermittent power-input, presence, or status conditions. Clearing the log without review would remove useful troubleshooting evidence, while replacing unrelated components would not address the reported sensor event.

QUESTION NO: 2

Which 2 ROCm commands should you run to gather AMD GPU information from the server?

- A. `sudo rocm-csv`, and `sudo rocm-amd.bug.txt`
- B. `sudo rockm-smc`, and `sudo rockm-bug.report.txt`
- C. `sudo rocm-gpu`, `sudo rocm-baseboardgpu`
- D. `sudo rocm-smi -a`, and `sudo rocm-smi`

ANSWER: D

Explanation:

`sudo rocm-smi -a`, and `sudo rocm-smi` are the appropriate ROCm commands for collecting GPU information from a server. The `rocm-smi` utility is the ROCm System Management Interface command-line tool used to query and manage supported AMD GPUs. Running it without additional arguments provides a concise status view, including detected GPU devices and key operational information. Adding `-a` requests the comprehensive set of available information, which is useful during system validation and support triage because it gathers details such as device identification, clocks, temperatures, power, memory usage, firmware-related data where supported, PCIe information, and error/status telemetry. Using `sudo` helps ensure that the utility has permission to access the relevant driver interfaces and report the fullest available device data. Together, the standard command and the all-information invocation provide both a quick GPU-status check and a detailed inventory/health snapshot for an AMD Instinct GPU server. AMD documents `rocm-smi` usage and its available query options in the [ROCm SMI documentation](#). The broader ROCm installation and system-management context is available in the [AMD ROCm documentation](#).

QUESTION NO: 3

After an authorized technician replaces a GPU, reassembles the system, and powers it on, which three actions provide appropriate post-service validation? Choose 3 answers.

- A. Confirm that the replacement GPU is present in the IPMI GPU component section.
- B. Run `sudo rocm-smi -a` to verify host-side GPU information.

- C. Run the applicable AGFHC recipe to validate the repaired platform.
- D. Clear the IPMI event log before reviewing any new hardware status.
- E. Update all system firmware regardless of the approved service procedure.
- F. Remove a second GPU to confirm that the replacement GPU remains detected.

ANSWER: A B C

Explanation:

The replacement should first be confirmed in the IPMI GPU component section, then validated from the host operating system with ROCm information such as `sudo rocm-smi -a`. An authorized technician can also run the applicable AGFHC recipe to diagnose and stress test the repaired platform. Updating firmware without a documented requirement, clearing logs before reviewing results, or removing another GPU are not validation steps for the completed replacement.

QUESTION NO: 4

What tool is needed to remove the GPU in the MI300X system?

- A. T20 Torx Bit
- B. Security Torx Bit
- C. T15 Torx Bit
- D. Phillips Head Screwdriver

ANSWER: C

Explanation:

T15 Torx Bit is the required tool because the MI300X GPU assembly is retained by T15 Torx fasteners. Using the correctly sized Torx bit is important during service: it fully engages the screw recess, allows the specified fasteners to be removed without damaging their heads, and helps ensure the GPU assembly can subsequently be reinstalled correctly. Before beginning removal, follow the system's documented service procedure, including powering down the server, disconnecting AC power, observing ESD precautions, and handling the GPU module only as instructed. MI300X platforms contain high-value accelerator and cooling hardware, so using the prescribed tool and procedure helps avoid mechanical damage and supports reliable reassembly. Supermicro publishes platform manuals and service documentation through its [Manuals and Documentation](#) resource. For product context, AMD describes the Instinct MI300X as a data-center accelerator designed for demanding AI and HPC deployments on its [AMD Instinct MI300X](#) product page. Therefore, a T15 Torx bit should be prepared before servicing the GPU retention hardware.

QUESTION NO: 5

Which two actions are required to reduce handling risk before removing the GPU tray from an MI300X system? Choose 2 answers.

- A. Shut down the system and disconnect it from power.
- B. Use two people to support and remove the GPU tray.
- C. Pull the tray out quickly to bypass the safety-stop lock.
- D. Remove the tray while the server remains powered on.
- E. Support only the front edge of the tray during removal.

ANSWER: A B

Explanation:

The system should be shut down and disconnected from power before internal service, and two people should support the GPU tray during removal. The tray is a heavy assembly containing sensitive GPU, cooling, and cabling hardware. Two-person handling helps keep the tray level and prevents damage to the chassis and fans below the tray. ESD precautions are also important during service, but they do not replace the required power-removal and safe-lifting steps.