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Exam : **SMI300XE**

Title : MI300X Expert (SMI300XE) Certification Exam

Version : DEMO

1.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:
The ROCm System Management Interface (rocm-smi) is the recommended tool for gathering AMD GPU information from the server.
Option D (Correct):
sudo rocm-smi -a displays all available GPU information.
sudo rocm-smi shows basic GPU stats.
Option A (Incorrect): These are not valid ROCm commands.
Option B (Incorrect): "rockm-smc" and "rockm-bug.report.txt"do not exist in ROCm.
Option C (Incorrect): "rocm-gpu" and "rocm-baseboardgpu" are not standard AMD diagnostic commands.

2.The AGFHC Tool is intended for use exclusively by specific users. Who are those users? Choose 2 answers.
A. Internal SMC Employees
B. SMC Partners
C. Customers
D. VARs /Resellers
Answer: A D
Explanation:
The AGFHC Tool is specifically designed for Supermicro’s internal employees and authorized resellers (VARs). These users require access to diagnostic and firmware update tools that are restricted to trained personnel.
Option A (Correct): Internal Supermicro employees use this tool for system maintenance and diagnostics.
Option D (Correct): VARs (Value-Added Resellers) are authorized to use the tool for customer support and system integration.
Option B (Incorrect): General SMC partners do not have access to AGFHC.
Option C (Incorrect): End customers do not have access to this tool.

3.When you first access the IPMI Web GUI, you will be prompted to log in.
Where can you find the password?
A. It will be on the tag next to the I/O Module.
B. Use the system model number as the password.
C. It will be on the label on the bottom of the system.
D. It will be on the label on the bottom side of the system cover.
Answer: D
Explanation:
Supermicro ships systems with a unique BMC password for security purposes. This password is printed on a label located on the bottom side of the system cover.

Option A (on the I/O module tag) is incorrect as the tag typically contains network interface information rather than credentials.
Option B (using the system model number as a password) is incorrect because Supermicro does not use default passwords based on the model number.
Option C (on the bottom of the system) is close but not precise;the correct location is the bottom side of the system cover.
Option D (label on the bottom side of the system cover) is correct, as stated in the Supermicro IPMI and BMC login documentation.
Security Recommendation: Upon first login, Supermicro strongly recommends changing the default BMC password immediately for security reasons.

4.The ROCm commands are not providing output or are failing.
What could be the primary reason why?
And how can you validate the reasoning?
A. You suspect there are GPUs not detected. To determine which GPUs are missing, open the IPMI GUI and review the GPU component section to make sure all GPUs are present.
B. CPU is not installed correctly on the server. Review the OS dmesg logs for any odd CPU messages, then if located proceed to reseat the CPU.
C. The GPU baseboard may not be detected. You can determine this by opening the IPMI GUI and reviewing the FW section.
D. If more than 3 GPUs are missing, then ROCm commands will not function. We need to verify that the 3 are missing in the IPMI GUI and review the GPU component section to make sure that at least 2 or fewer GPUs are missing.
Answer: A
Explanation:
If ROCm commands fail to provide output, the primary issue is likely missing or undetected GPUs. The best way to validate this is by checking the IPMI GUI and reviewing the GPU component section to ensure that all GPUs are present.
Option A (Correct): Missing GPUs are the most common cause of ROCm failures. The IPMI GUI provides visibility into which GPUs are detected.
Option B (Incorrect): CPU misalignment would cause general system failure, not ROCm-specific issues.
Option C (Incorrect): The GPU baseboard status can be checked in IPMI but is not the primary cause of ROCm failures.
Option D (Incorrect): ROCm can function with multiple missing GPUs, but the key issue is confirming GPU presence first.

5.Which of the following are important safety precautions when removing the GPU tray?
A. For your own safety, and the safety of the system, two people should remove the tray which weighs more than 70 pounds.
B. Keep the tray straight to prevent it from tilting up or down, which can damage the upper and lower portion of the chassis.
C. Unnecessary movement can damage the fans below the GPU tray.
D. All of the above.
Answer: D

Explanation:
When removing the GPU tray in an MI300X system, the following precautions must be taken:
Two people should remove the tray as it weighs over 70 pounds, making it unsafe for one person to handle.
Keeping the tray straight prevents it from tilting, which can damage the chassis components.
Unnecessary movement can damage cooling fans directly beneath the GPU tray.
Since all the above precautions are critical for safe removal, the correct answer is D (All of the above).