

Examcollection NCP-AII Dumps Torrent - NCP-AII Valid Practice Questions

Question: 3

You notice that one of the fans in your GPU server is running at a significantly higher RPM than the others, even under minimal load. `ipmitool sensor` output shows a normal temperature for that GPU. What could be the potential causes?

- A. The fan's PWM control signal is malfunctioning, causing it to run at full speed.
- B. The fan bearing is wearing out, causing increased friction and requiring higher RPM to maintain airflow.
- C. The fan is attempting to compensate for restricted airflow due to dust buildup.
- D. The server's BMC (Baseboard Management Controller) has a faulty temperature sensor reading, causing it to overcompensate.
- E. A network connectivity issue is causing higher CPU utilization, leading to increased system-wide heat.

Answer: A,B,C

Explanation:
A malfunctioning PWM control signal, worn fan bearings, or restricted airflow can all cause a fan to run at higher RPMs. While a faulty BMC sensor could be a cause, the question states that `ipmitool sensor` shows a normal temperature. Network connectivity issues are less likely to cause an isolated fan to run high, if the GPU temperature is normal.

Question: 4

After upgrading the network card drivers on your A1 inference server, you experience intermittent network connectivity issues, including packet loss and high latency. You've verified that the physical connections are secure. Which of the following steps would be most effective in troubleshooting this issue?

- A. Roll back the network card drivers to the previous version.
- B. Check the system logs for error messages related to the network card or driver.
- C. Run network diagnostic tools like `'ping'`, `'traceroute'`, and `'iperf3'` to assess the network performance.
- D. Reinstall the operating system.
- E. Update the server's BIOS.

Answer: A,B,C

Explanation:
Rolling back drivers is a quick way to revert to a known working state. Checking system logs will provide valuable information about driver errors or network issues. Network diagnostic tools will quantify the network performance and help isolate the problem. Reinstalling the OS is drastic and should be a last resort. Updating the BIOS is unlikely to resolve driver-related network issues unless specifically recommended for the network card.

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NVIDIA AI Infrastructure Sample Questions (Q107-Q112):

NEW QUESTION # 107

In a data center utilizing NVIDIA GPUs and NVLink, what is the primary advantage of using a direct-attached NVLink network topology compared to routing traffic over the network?

- A. Increased network security
- B. **Higher bandwidth and lower latency between GPUs**
- C. Improved power efficiency
- D. Reduced cost of network infrastructure
- E. Simplified network configuration

Answer: B

Explanation:

Direct-attached NVLink provides significantly higher bandwidth and lower latency compared to routing traffic over a traditional network. This is crucial for applications that require intensive GPU-to-GPU communication, such as large-scale AI training. While direct-attached NVLink can simplify configuration in some cases, its primary advantage is the performance improvement.

NEW QUESTION # 108

Which command is used to verify the installation and configuration of the NGC CLI after initial setup?

- A. **'ngc registry model list'**
- B. 'ngc config validate'
- C. 'ngc setup verify'
- D. 'ngc system status'
- E. **'ngc -version'**

Answer: A,E

Explanation:

'ngc -version' confirms the CLI is installed and shows its version. 'ngc registry model list' verifies that the CLI can authenticate with NGC and access the registry.

NEW QUESTION # 109

You've installed a DGX A100 server. During the initial hardware validation, you observe that one of the GPUs is consistently reporting lower performance compared to the others. Which troubleshooting steps should you take, in the **CORRECT** order, to diagnose the problem?

- A. **1. Check GPU temperature. 2. Reseat the GPU. 3. Run GPU diagnostics. 4. Update the GPU driver.**
- B. 1. Reseat the GPU. 2. Check GPU temperature. 3. Update the GPU driver. 4. Run GPU diagnostics.
- C. 1. Update the GPU driver. 2. Run GPU diagnostics. 3. Check GPU temperature. 4. Reseat the GPIJ.
- D. 1. Run GPU diagnostics. 2. Reseat the GPIJ. 3. Check GPU temperature. 4. Update the GPU driver.
- E. 1. Check the power supply connections. 2. Check GPU temperature. 3. Reseat the GPIJ. 4. Run GPU diagnostics.

Answer: A

Explanation:

Checking temperature is crucial first to avoid damaging the GPU if it's overheating. Reseating addresses potential connectivity issues. Running diagnostics identifies hardware faults. Updating the driver should be done after hardware checks to ensure the card isn't faulty.

NEW QUESTION # 110

You are configuring a server with multiple GPUs for CUDA-aware MPI. Which environment variable is critical for ensuring proper GPU affinity, so that each MPI process uses the correct GPU?

- A. CUDA DEVICE ORDER
- B. CUDA LAUNCH BLOCKING-I
- C. LD LIBRARY PATH
- D. **CUDA VISIBLE DEVICES**

- E. MPI GPU SUPPORT

Answer: D

Explanation:

'CUDA VISIBLE DEVICES' is essential for GPU affinity. It allows you to specify which GPUs are visible to a particular process. Without it, all processes might try to use the same GPU, leading to performance bottlenecks. controls the order in which GPUs are enumerated. specifies the path to shared libraries. is hypothetical. forces synchronous CUDA calls.

NEW QUESTION # 111

You want to automate the NGC CLI installation process across multiple hosts in your infrastructure. What are the best practices to achieve this?

- A. Manually install the NGC CLI on each host, as automation is not recommended for security reasons.
- B. Distribute the '-/.ngc/config.json' file to all hosts.
- C. Use a Dockerfile to create a container image with the NGC CLI pre-installed and configured.
- D. Use a configuration management tool like Ansible or Chef to automate the installation and configuration of the NGC CLI on all hosts.
- E. Create a custom script that downloads the NGC CLI package, installs it using 'pip' , and configures the API key.

Answer: C,D,E

Explanation:

Automation is highly recommended. Configuration management tools (A), custom scripts (B), and containerization (D) are all viable options for automating the NGC CLI installation process. Manually installing on each host is inefficient and error-prone. Distributing the config.json (E) could be a security risk.

NEW QUESTION # 112

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