GPU Upgrade Lab Report (CompTIA A+ Virtual Environment)

This document describes the step-by-step GPU replacement process performed in a virtual lab environment. The corresponding images should be kept externally and referenced alongside this report.

Step 1: Verify Current GPU Configuration

Power on the system and open Device Manager to identify the installed GPU. Record the current GPU model before replacement.

Step 2: Prepare for Hardware Replacement

Shut down the computer properly, disconnect the monitor cable, and open the computer case safely.

Step 3: Remove the Existing GPU

Locate the current video adapter in the PCIe x16 slot. Release the PCIe retention latch and carefully remove the GPU from the motherboard.

Step 4: Select Replacement GPU

Choose the HIS Radeon HD 4670 GPU as it provides HDMI output and improved video playback capability.

Step 5: Install the New GPU

Insert the replacement GPU into the PCIe x16 slot, ensuring it is properly aligned and firmly seated.

Step 6: Connect Modern Display Cable

Use an HDMI-to-HDMI connection from the GPU to the monitor to meet the requirement of using a modern interface.

Step 7: System Boot and Verification

Power on the system and confirm correct output to the monitor. Open Device Manager and ensure the new GPU is recognized without error icons.

Result: The GPU upgrade was successful. The system now outputs via HDMI and the new GPU is fully recognized.