Linux Layered Diagram

Imagine you are a software architect tasked with resolving issues on a Linux system. The system exhibits several problems:

- It runs sluggishly, often experiencing delays.
- The Ethernet driver functions intermittently.
- Certain C++ applications fail to run, displaying an error message related to the `libstdc++.so.6` component of the GNU C Library (glibc).

Despite being new to the project and lacking knowledge about the hardware and operating system, you're determined to tackle these challenges independently, fueled by your confidence and intellect.

Your task is to outline the logical steps you would take to analyze this system.

Hints:

Hardware Identification:

- Begin by identifying the hardware components of the system.

Operating System Verification:

- Confirm the operating system installed on the hardware.

Versioning Assessment:

- Determine the versions of critical components in the Linux layered diagram system.

System Requirement Comparison:

- Compare the operating system's requirements with the hardware specifications to ensure compatibility and optimal performance.