

Homework 4

1. What is the importance of cyber security in the present era?

With digital transformation accelerating, cyber security prevents unauthorized access to personal and corporate data. Cyber-attacks can disrupt economies, making security measures a global priority.

2. How does AI help in improving cyber security?

AI assists security teams by analyzing user behavior, flagging suspicious activities, and reducing false positives. Predictive analytics help in staying ahead of evolving threats.

3. Why do enterprises rely on Linux-based systems to make a secure infrastructure?

Linux offers superior security through SELinux, regular kernel updates, and a permission-based architecture. Its transparency allows enterprises to audit and harden their systems effectively.