Discussion Board: Protecting Availability

As the Chief Information Security Officer (CISO) of a publicly traded company, ensuring the availability of systems is a top priority to maintain operations, protect shareholder value, and uphold customer trust.

First, I would implement a robust disaster recovery and business continuity plan, including regular backups stored in multiple locations (both on-premises and in the cloud).

Second, DDoS (Distributed Denial of Service) protection is crucial. I’d deploy firewalls, traffic filtering, and load balancing to mitigate attacks that could disrupt service availability.

Third, redundancy and failover mechanisms would be in place. I would use multiple data centers, redundant servers, and cloud-based solutions to prevent a single point of failure from taking down critical systems.

Lastly, continuous monitoring and incident response are essential. With SIEM (Security Information and Event Management) tools and 24/7 SOC (Security Operations Center) monitoring, we can detect threats early and respond before they impact availability.