

Cyber Roles & Responsibilities

A System Security Officer/SSO is responsible for keeping an organization's systems, networks, databases and servers safe from various cyber threats. They set security rules, monitor for attacks, and make sure a company is following laws and best practices. Their job is to prevent hackers from stealing data while ensuring employees can work securely.

Who Are System Security Officers?

System Security Officers (SSOs) are cybersecurity professionals who are responsible for protecting an organization's digital systems, networks, and data. "A System Security Officer (SSO) enforces security policies, administers security measures, ensures compliance, and monitors security activities within an organization's systems" (Twingate, 2024). SSOs perform various tasks, including conducting risk assessments, setting up firewalls and encryption protocols, and responding to security incidents. They also educate staff on best practices, such as recognizing phishing emails and using strong passwords, to reduce human-related security risks.

Why Are They Part of the Team?

System Security Officers work closely with IT teams, executives, and employees to ensure security measures are properly implemented and followed. Their role is crucial in

preventing cyber attacks, data breaches, and system failures that could disrupt business operations or compromise sensitive information. Instead of handling security at a broad level, they focus on ensuring that certain systems such as databases and networks are safe from threats. “SSOs focus on the security of specific systems, ensuring operational security for particular information systems” (Twingate, 2024). Having an SSO on the team is essential because cybersecurity threats are constantly evolving. Without proper SSO security measures, organizations are at risk for financial loss, reputational damage, and legal consequences.

Conclusion

System Security Officers are a vital part of any organization, ensuring that digital assets remain protected against cyber threats. Their expertise in security policies, risk management, and incident response helps maintain business continuity and safeguard sensitive information. Cyber Attacks are increasing and becoming more sophisticated, so having an SSO on the team is a critical investment in the organization’s long-term security and success.

Reference page

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[Twingate.com/blog/glossary/system-security-officer](https://twingate.com/blog/glossary/system-security-officer)