

Mitigating Cyber Risks in Supply Chain Operations: A Security-Centric Approach

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Abstract: *Cybersecurity in the supply chain has become a very big deal in the modern business world. Globalization is at the center of the supply chains that are joined by a variety of industries. Consequently, cybercriminals are more often exploiting the vulnerabilities in these networks. The collaboration of various stakeholders, such as suppliers, manufacturers, and logistics providers, also creates a massive number of access points for the evildoers to exploit. This paper would explore the different cybersecurity risks experienced in supply chain operations and put forward some effective plans for diminishing these threats. The study considers the ways in which supply chain resilience, security frameworks, and technology-driven solutions contribute to a multilayered approach applicable in the supply chain protection. The paper also focuses on the organizational culture, collaborations among stakeholders, and compliance to global standards that can keep the supply chain systems intact and secure.*

Keywords: Cybersecurity, Risk Mitigation, Supply Chain, Operations, Threats, Resilience, Security Framework, Global Standards

