INSIDER RISK In Software Supply chains

OUR SOFTWARE MAY BE TRUSTED, BUT IS IT SECURE?

A software supply chain attack occurs when malicious code is deliberately added to a component, with intent to distribute the malicious code to a target further down the supply chain. These attacks aim to compromise systems and data, and may also cause collateral damage.

INSIDERS:	VULNERABILITIES TO	ENHANCE SOFTWARE
	SUFTWARE INTEGRITY:	INTEGRITY WITH:
Create source code, design applications, and contribute to software development	Insiders wittingly or unwittingly introduce malware to applications	Code signing: code with a trusted, cryptographically secure indicator that software has been approved by its
Review, test, and license applications for usage	Insiders utilize un-vetted dependencies during development	developer and not subsequently modifie
Update, maintain, and repair existing software	Insiders fail to patch software or delay deployment of more secure applications	Hashing: unique strings of information generated by hashing algorithms, distributed by developers to verify softwa has not been modified.
Share, distribute, and utilize applications		User Activity Monitoring: detect anomalo

Remember: Trusted insiders have access to assets at all stages in the supply chain. Damage to the supply chain caused by insiders may lead to reduced military strength and mission readiness; loss of reputation, innovation, and industry advantage; and financial instability.





Center for Development of Security Excellence put the organization at risk.

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