

Threat Modeling and Risk Assessment

Threat modeling and risk assessment identify potential security risks and prioritize mitigation strategies to protect systems and data.

Key Components:

Asset Identification: Recognizing critical assets that require protection.

Threat Identification: Detecting potential threats and vulnerabilities.

Attack Vectors: Analyzing possible exploitation paths.

Risk Analysis: Evaluating the impact and likelihood of threats.

Mitigation Strategies: Developing measures to reduce risks.

Security Controls Evaluation: Assessing the effectiveness of current security measures.

Threat Prioritization: Ranking risks based on severity and business impact.

Compliance Alignment: Ensuring adherence to industry standards and regulations.

Continuous Monitoring: Regularly reviewing and updating risk assessments.

Stakeholder Communication: Keeping key stakeholders informed of risks and mitigation efforts.

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