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	lain Threat Modeling ethodology
	ethodology
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Tampering Repudiation, Information disclosure, Denial-of- Service, and Elevation of privilege STRIDE is used by analysts to classify threats Once a DFD-based threat model is developed, an analyst can check its application against STRIDE methodology Sever D A A A A A A A A A A A A A A A A A A	PASTA A stands for Process for Attack dilation and Threat Analysis in-Stage PASTA Methodology: Pefinition of Objectives (DO) Pefinition of Technical Scope (DTS) Implication Decomposition and malysis (ADA) Preat Analysis (TA) Preat Model of Threat Model Implementation Model Implementation Model Threat Model Threat Model Risk Model Threat Model Risk Model Threat Model

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CEH

Threat Modeling Methodologies (Cont'd) OCTAVE VAST DREAD DREAD stands for Damage, OCTAVE stands for Operationally VAST stands for Visual, Agile, and Reproducibility, Exploitability, Critical Threat, Asset, and Simple Threat modeling Affected Users, and Discoverability Vulnerability Evaluation The primary objective of developing this methodology is to Three stages of OCTAVE A sorting scheme for calculating, scale the threat modeling across comparing, and ranking the methodology: the infrastructure and entire possible extent of threat for each Build Asset-Based Threat Profiles DevOps portfolio assessed risk Identify Infrastructure Based on the practical approach in The DREAD formula for calculating Vulnerabilities the development of the following the risk value: threat models: Develop Security Strategy and Risk = (Damage + Reproducibility + Exploitability + Affected Users + Application Threat Model Discoverability)/5 Operational Threat Model

Threat Profiling and Attribution Threat Profiling and Attribution involves collecting information about threat actors and building an analytic profile of the adversary It describes the adversary's technological details, goals, and motives which can be resourceful in building a strong countermeasure

The threat profile can be created to include the details of the following attributes:



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