ThreatModeler®

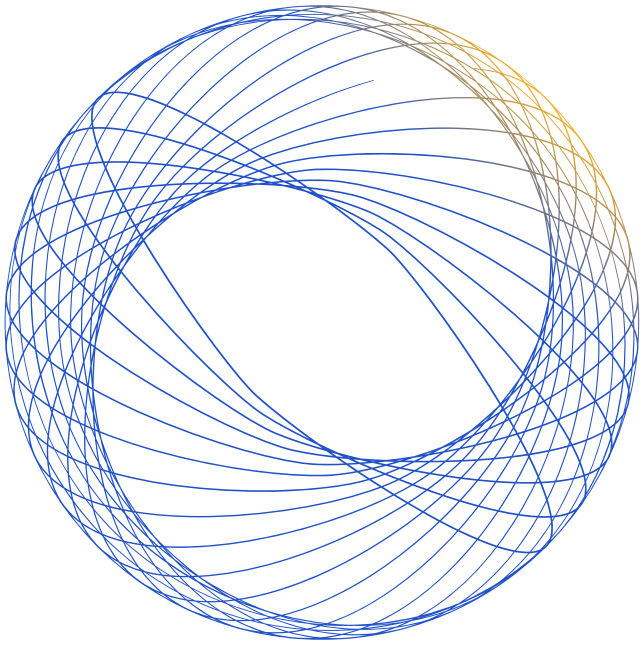
THREATMODELER

7.3 Technical Data Sheet

DATA SHEET

Overview

ThreatModeler is an innovative threat modeling platform that empowers organizations to proactively identify, assess, and mitigate security threats across their software and infrastructure landscapes. ThreatModeler enables security teams to build resilient systems and enhance their cybersecurity posture.



Key Features

ThreatModeler streamlines security threat modeling at scale through flexible modeling, intelligent analysis, and streamlined governance, enabling teams to mitigate threats while supporting rapid development.

COMPREHENSIVE THREAT MODELING:

- **Import models from industry tools**, including Draw.io, Microsoft TMT, Visio, CloudFormation, and Azure Resource Manager templates.
- **Access 500+ free templates** via Solution Hub for various technologies and use cases.
- **Customize architectures** with advanced grouping, trust boundaries, and integrated security controls.

INTELLIGENT RISK ASSESSMENT:

- **Evaluate and prioritize threats** using CVSS scoring with multi-factor analysis.
- **Dynamically assess risk** using a custom calculation engine that adapts to organization-specific criteria.
- **Automatically update risk levels** as changes occur to provide real-time security insights.

ADAPTIVE SECURITY CONTROLS:

- **Implement custom controls** directly into threat models to address identified vulnerabilities.
- **Define and apply control sets** aligned with organizational policies and compliance standards.
- **Integrate controls across trust boundaries** for comprehensive protection of critical assets.

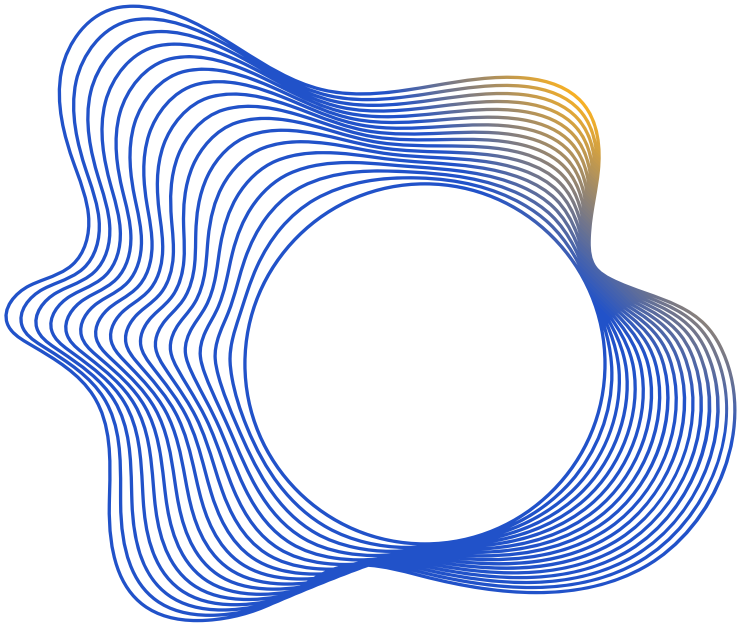
AUTOMATED THREAT MITIGATION:

- **Synchronize threat and security requirement statuses** with bi-directional status synchronization between threats and security requirements.
- **Transform mitigations into trackable tickets** through ALM integrations.
- **Track changes** with version control and side-by-side comparison tools.

STREAMLINED GOVERNANCE:

- **Manage approval processes** with up to five hierarchical review levels.
- **Generate tailored reports** for audit, development, compliance, and stakeholder needs.
- **Automate tasks and ensure governance** with the flexible Rules Engine.

Platform Benefits



The ThreatModeler Platform embeds security throughout the development lifecycle by combining threat intelligence, AI assistance, and enterprise integrations. It transforms threat modeling into a continuous security practice that adapts to evolving technology landscapes.

ADVANCED THREAT FRAMEWORK:

- **Access security libraries** covering MITRE ATT&CK, OWASP variants, and cloud-specific models.
- **Apply security requirements** from industry standards, compliance frameworks, and cloud provider best practices.
- **Leverage expert-developed security content** based on real-world attack patterns.
- **Integrate continuously updated threat intelligence** to protect against emerging vulnerabilities.

THREATMODELER COPILOT AI ASSISTANCE:

- **Get recommendations for model components** based on thousands of models and organizational patterns.
- **Manage service tickets directly within the ThreatModeler Platform** to streamline team communication.
- **Optimize security with attacker path analysis** to establish trust boundary settings, logical component groupings, connection protocols, and control placements.
- **Accelerate model creation** with context-aware predictive component recommendations.

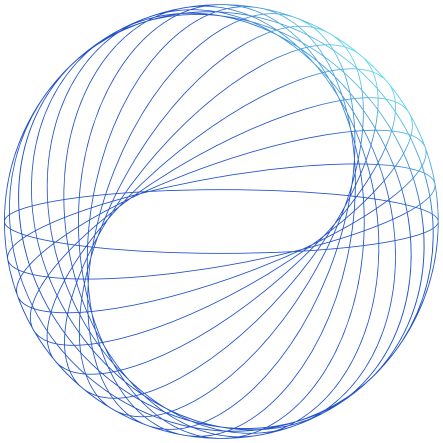
FLEXIBLE RULES ENGINE:

- **Automate repetitive tasks** with a workflow tool connecting triggers, conditions, and actions.
- **Ensure governance and consistency** through customizable rule sets.
- **Tailor security processes** to unique business requirements without custom coding.

ENTERPRISE INTEGRATION AND ACCESS MANAGEMENT:

- **Connect with ALM tools**, including Jira, Azure Board, and ServiceNow, to transform mitigations into trackable tickets.
- **Integrate with CI/CD pipelines**, including Jenkins and Azure Pipelines, to automate security workflows.
- **Implement role-based permissions** across departments with Single Sign-On (SSO) capabilities.
- **Secure models** with granular access control and group-based permission mapping.

Technical Specifications



- **Formats:** Draw.io, MS TMT, Visio, CloudFormation, Azure
- **Integration:** Jira, Azure Board, ServiceNow, Jenkins, Azure Pipeline
- **Authentication:** Local, SAML, Active Directory with SSO
- **Notification Methods:** Email, Web

COMPLIANCE STANDARDS:

- **NIST:** 800-53 (rev4/5), 800-171 (rev1/3), CSF v2.0, Privacy Framework, AI RMF
- **Security:** CIS CSC (v7/8), PCI DSS (v3.2/4.0), ISO/SAE 21434, IEC 62443
- **Privacy:** EMEA EU GDPR, CSA CCM v4

COMPONENT LIBRARIES:

- AWS
- Azure
- GCP
- Automobile
- Medical Devices
- Critical Infrastructure
- ThreatModeler

Threat and Security Sources

Organization	Threat Source	Security Requirement
MITRE	ATT&CK ATLAS EMB3D CAPEC	ATT&CK Mitigations ATLAS Mitigations EMB3D Mitigations CAPEC D3FEND
OWASP	Top 10 variants for Web, API, Mobile, IoT, ML, LLM	Cheat Sheet Series
Cloud Providers	–	AWS Documentation Azure Documentation GCP Documentation Kubernetes Documentation
CSA	Top 11 2024 (AWS only) Top 12 2018	–
Microsoft	Threat Matrix for Kubernetes	–
CWE	Where applicable	–
CIS	–	Yes
WP.29	Yes	Yes
Mobile	iOS Documentation Android Documentation	iOS Documentation Android Documentation

ThreatModeler 7.3 is now available!

Contact us to get a demo.