

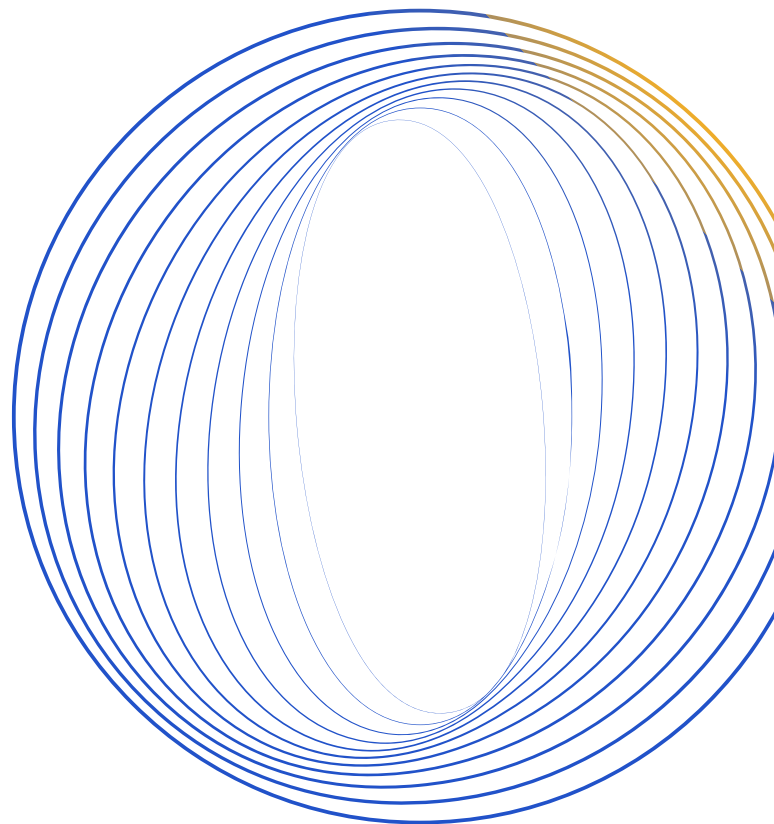
laC-Assist Technical DATA SHEET



Overview

IaC-Assist is a real-time plugin for Visual Studio Code (VS Code) that enables DevOps, DevSecOps, and security teams to secure Infrastructure as Code (IaC) early in the development process. It delivers actionable insights directly in the Integrated Development Environment (IDE), identifying misconfigurations and enforcing secure-by-design practices without disrupting agile workflows.

Integrated with the ThreatModeler platform, IaC-Assist connects code-level decisions to system-level threat modeling for continuous security from design to deployment.



Key Features

IaC MISCONFIGURATION DETECTION

- Detect missing security attributes and weak configurations during code authoring.
- Highlight critical gaps in IaC templates through direct analysis in VS Code.
- Prevent deployment of insecure cloud architecture.

SEAMLESS THREAT MODELING INTEGRATION

- Generate threat models directly from IaC templates.
- Provide architectural visibility into risks, threats, and attack vectors.
- Integrate security architecture into developer workflows.

MULTI-CLOUD AND IaC SUPPORT

- Supports the following IaC templates and environments:
 - AWS CloudFormation (YAML/JSON)
 - Terraform (for AWS, Azure, GCP)
 - Azure Resource Manager (ARM) Templates
 - Azure DevOps for Terraform-based IaC

CROSS-TEAM COLLABORATION

- Enable shared visibility between developers, security architects, and operations.
- Facilitate continuous feedback and threat validation.
- Centralize risk ownership and standardizes secure development practices.

SYSTEM-LEVEL THREAT MODELING INTEGRATION

- Connect IaC findings directly to architectural threat models.
- Automatically update threat models based on IaC changes and developer actions.

Benefits

IaC-Assist delivers real-time security validation and remediation directly within developer workflows, enabling teams to detect misconfigurations, enforce secure-by-design principles, and align Infrastructure as Code deployments with organizational security and compliance requirements.

SECURITY AND RISK MANAGEMENT:

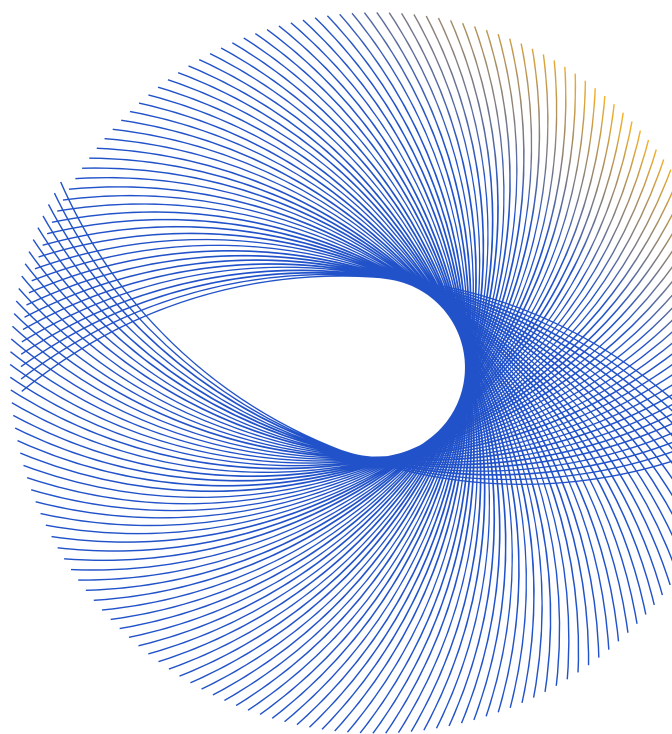
- Flag vulnerabilities before they become production issues.
- Understand threats at both code and architecture levels.
- Implement secure-by-design policies across the development lifecycle.

DEVELOPER PRODUCTIVITY

- Reduce noise and false positives with contextual insights.
- Obtain in-line guidance with no context-switching required.
- Improve autonomy while aligning with security mandates.

COMPLIANCE AND GOVERNANCE

- Enforce security policies in line with leading compliance frameworks:
 - NIST: 800-53 (rev5), 800-171 (rev3), CSF v2.0, Privacy Framework, AI RMF
 - CIS Controls: Version 8
 - PCI DSS: Version 4.0
 - ISO/SAE 21434 (Automotive), IEC 62443 (Industrial)
 - HIPAA: US Health Insurance Portability and Accountability Act
 - GDPR: EU General Data Protection Regulation
 - CSA Cloud Controls Matrix (CCM v4)



- Streamline audits with traceable controls and exportable threat model reports.
- Unify risk management across IaC and cloud environments.

PLATFORM CAPABILITIES

- Threat Intelligence Integration: Connect code analysis with ThreatModeler’s extensive threat and security control libraries.
- Real-time IDE Feedback: Alert developers as they type, eliminating the lag between coding and security checks.
- SaaS Architecture: Keep security libraries up to date across all environments and teams.

Technical Specifications

- **Supported IDE:** Visual Studio Code (VS Code)
- **IaC Templates:** AWS CloudFormation (YAML/JSON), Terraform (AWS, Azure, GCP), Azure Resource Manager (ARM) Templates
- **Security Feedback:** Real-time, contextual recommendations within the IDE
- **Platform Type:** SaaS-based, continuously updated

COMPLIANCE STANDARDS

Category	Details
NIST	800-53 (rev5), 800-171 (rev3), CSF v2.0, Privacy Framework 1.0, AI RMF AI 100-1
Security	CIS CSC (v8 IG1, IG2, IG3), PCI DSS (v4.0), ISO/SAE 21434 v2021, ISO 42001 (v2023), IEC 62443-4-2
Privacy	US HIPAA, EMEA EU GDPR, CSA CCM v4
Industry-specific	DORA, FDA 524B, UNR 155, WP.29

Learn how IaC-Assist can help your teams secure cloud infrastructure from the start.
Schedule your personalized demo today.

