Tonic

Agentic CTEM Platform

The Architecture Powering Continuous Exposure Reduction

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The Challenge

Modern security programs operate across dozens of disconnected tools. Vulnerability scanners, cloud platforms, identity systems, ticketing tools, and asset inventories each provide a partial view of the organization's security posture. Yet none of them maintain a complete and continuously updated understanding of the enterprise exposure landscape.

As a result, security teams struggle with several persistent challenges:

- Thousands of vulnerabilities with unclear prioritization
- Risk signals scattered across multiple systems
- Manual investigation required to understand context
- Remediation efforts that fail to measurably reduce exposure

Most existing security platforms provide **visibility and scoring,** but they stop short of enabling **continuous exposure reduction.** To solve this problem, organizations need a system that can continuously:

- Synthesize security and enterprise context
- Reason about exposure and risk
- Coordinate remediation across teams
- Validate that risk is actually reduced

This is the goal of **Tonic's Agentic CTEM Platform**.

The Tonic Agentic CTEM Platform

The Tonic platform introduces a new architecture designed to continuously transform fragmented security signals into **risk decisions and remediation outcomes**. The platform consists of two primary architectural layers:

Security Data Fabric

The contextual intelligence layer that continuously synthesizes security and enterprise data.

Decision & Execution Layer

The operational layer where AI agents and applications drive exposure reduction across the organization.

Together, these layers form a **closed-loop exposure reduction system.**

Architecture Overview

The Tonic architecture is built around six core components:

Security Data Fabric

Data Foundation

A self-improving security data fabric that ingests, reconciles, and normalizes signals from across the enterprise.

Context Engine

Extracts business, operational, and adversarial context from both structured and unstructured sources.

Exposure Intelligence

A multi-dimensional exposure graph that models relationships across assets, exposures, identities, and business services.

Let’s dig in.

Decision & Execution Layer

Agentic Control Plane

The governance layer controlling what agents can access and execute, enforcing permissions and human oversight.

Tonic Applications & MCP

The operational interface where security teams investigate exposure, coordinate remediation, and manage workflows.

Tonic Agents & Third-Party Agents

Domain-specific AI agents that continuously prioritize, coordinate, and validate exposure reduction at scale.

Exposure Intelligence

A Living Model of Enterprise Risk

At the core of the platform sits **Exposure Intelligence**. Exposure Intelligence is a continuously evolving graph that connects technical findings with business context. By reasoning across this graph, the platform can determine:

- Which exposures truly matter
- Which business systems are affected
- How attackers could exploit weaknesses
- Which teams are responsible for remediation
- Whether remediation actions actually reduced risk

This allows organizations to move beyond **generic severity scores** toward **context-driven exposure decisions.**

Decision & Execution Layer

Turning Intelligence into Risk Reduction

While the Security Data Fabric maintains understanding of the environment, the **Decision & Execution Layer** ensures that exposure intelligence leads to action.

Agentic Control Plane

The Agentic Control Plane governs how automation operates within the environment. It enforces:

- Access permissions
- Approval workflows for high-risk actions
- Execution policies
- Complete auditability

This ensures that AI agents operate safely and transparently within enterprise environments.

Tonic Applications & MCP

The application layer allows security teams to operate the platform through:

- Exposure investigation workflows
- Remediation coordination tools
- Integrations with existing security and IT systems

Through MCP-powered integrations, Tonic can operate directly within the tools teams already use.

Tonic Agents & Third-Party Agents

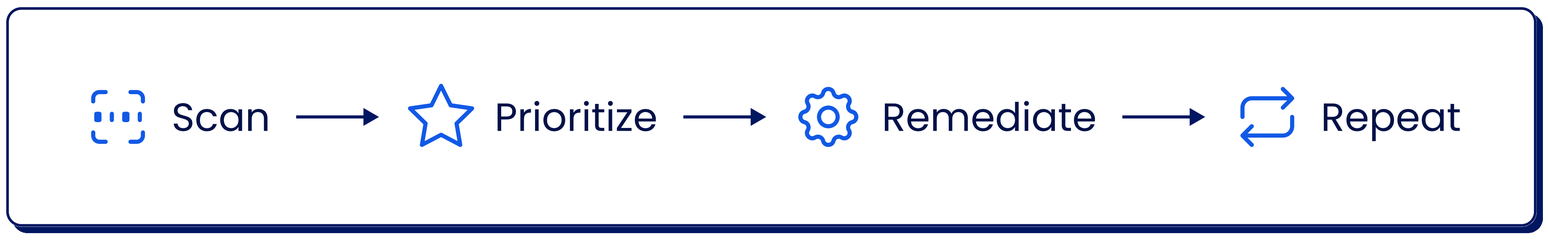
Domain-specific agents operate continuously across the environment to drive exposure reduction. These agents:

- Analyze exposure intelligence
- Prioritize remediation actions
- Coordinate work across teams
- Validate remediation outcomes

Agents can operate across both native Tonic capabilities and third-party tools, allowing organizations to orchestrate remediation across complex environments.

Continuous Exposure Reduction

Traditional vulnerability management operates as a **periodic workflow:**



The Tonic architecture enables a **continuous exposure reduction loop:**

Signals are ingested from across the enterprise

- Context is extracted and reconciled
- Exposure intelligence is generated
- Agents coordinate remediation
- Risk reduction is validated
- And the model continuously updates

This closed-loop architecture ensures that exposure management becomes an **ongoing operational process rather than periodic analysis.**

The Architecture of Agentic Exposure Management

Security teams today are overwhelmed by fragmented data and disconnected tools. The future of security operations requires systems that can **continuously maintain context and coordinate action across the enterprise.**

The Tonic Agentic CTEM Platform provides this foundation. By combining a self-maintaining Security Data Fabric with governable AI agents and operational applications, organizations gain the ability to:

Prioritize what truly matters

Coordinate remediation across teams

Continuously validate risk reduction

This architecture enables a new model of security operations: **Agentic Exposure Management.**