

# Application Security

Prevent Risks at the Source with Industry-Leading  
Application Security Powered by Complete Code,  
Cloud, and Runtime Context

## Development Has Never Moved Faster. Security Must Do the Same.

The accelerated pace of application development has created significant pressure on security teams, forcing them to adapt quickly to keep up with the demand for speed without compromising on security. The rise of DevSecOps has shifted much of the responsibility for addressing security vulnerabilities to developers, yet legacy AppSec tools fail to support their needs. Traditional AppSec tools were designed primarily for security teams, not to seamlessly integrate into cloud-native development.

Because modern cloud-native engineering ecosystems are highly diverse and fragmented, teams often lack the required visibility and context to effectively identify, prioritize, and remediate risks. To keep pace, teams need to shift to risk prevention. The problem for AppSec teams is they often lack the context to implement prevention policies that don't slow development. Rather than implementing restrictive controls, they opt to focus on remediating issues once the issues have reached production.

### Cortex Cloud Application Security

Cortex Cloud™ accelerates secure development by seamlessly integrating with engineering ecosystems to prevent risks and secure applications by design. The platform unifies leading AppSec capabilities and third-party scanners for complete security from code to cloud.

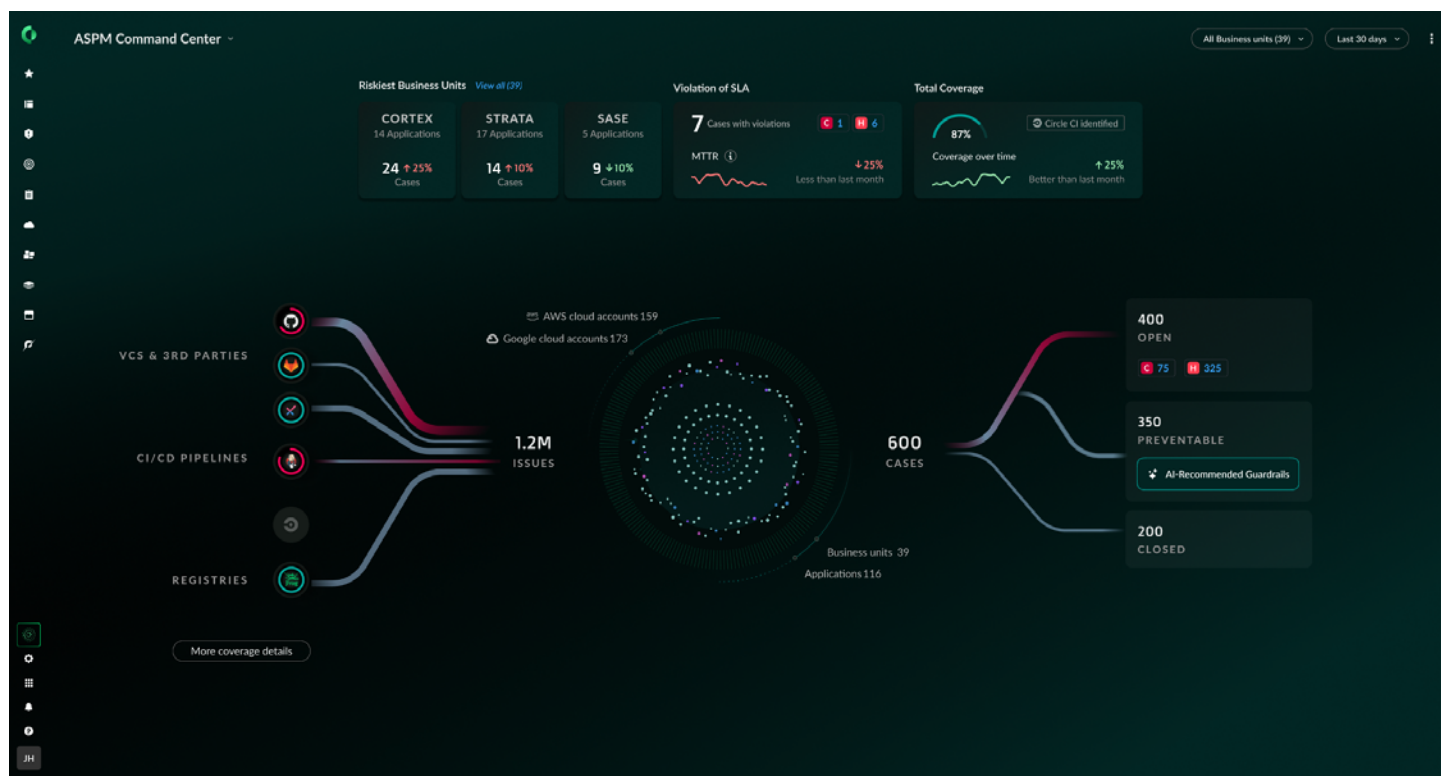


Figure 1. Cortex Cloud ASPM Command Center

## Benefits

- **Comprehensive visibility:** Cortex® Cloud centralizes AppSec visibility across code, supply chain, application infrastructure, and runtime for consistent security across the lifecycle.
- **Intelligently prevent security issues:** Enforce targeted security guardrails that distinguish between new and existing issues, and use context to prevent risks from reaching production without slowing development.
- **AI-driven risk prioritization:** Combine code, pipeline, runtime, and application context to prioritize risk based on the probability of exploitation and potential business impact.
- **Automatic remediation:** Eliminate manual remediation across security and development teams with industry-leading automation at every stage of the application lifecycle.
- **Developer friendly:** Use native integrations to enable immediate feedback within integrated development environments (IDEs) and version control systems (VCS) to fix issues as they occur. Send developers pull requests (PRs) with context so they can easily fix security issues.
- **Consistent security from code to cloud to SOC:** Detect, correlate, and respond to active application threats across the entire lifecycle by correlating findings from code to cloud to SOC.

## Key Capabilities

Cortex Cloud integrates these key AppSec capabilities into a single solution:

- **Application Security Posture Management (ASPM):** Consolidate AppSec visibility into a single risk, policy, and automation engine, making it easier to prevent, prioritize, and remediate risk across the entire application lifecycle.
- **Software Supply Chain Security:** Gain deep visibility and control over your engineering ecosystem, govern pipeline tool usage and risk, manage software bill of materials (SBOMs), and ensure secure deployments.
- **Infrastructure as Code (IaC) Security:** Leverage comprehensive, developer-first IaC Security with runtime tracing to fix misconfigurations at the source.
- **Software Composition Analysis (SCA):** Proactively address open-source vulnerabilities and license compliance issues with developer integrations and context-aware prioritization.
- **Secrets Security:** Gain comprehensive secrets security to accurately detect, prioritize, and eliminate credential exposure.
- **Third-party ingestion:** Connect any AppSec tool for centralized visibility and prioritize risk based on comprehensive runtime and application context.

### Cortex Cloud Supports

#### IDEs

- Visual Studio Code
- JetBrains

#### VCSs

- GitHub Enterprise Cloud
- Self-Managed GitLab on Cloud
- Bitbucket Cloud and Data Center

#### Azure Repos

- AWS CodeCommit

#### CI/CD Systems

- Jenkins
- CircleCI
- GitHub Actions
- AWS CodeBuild
- Integrate Cortex Cloud CLI into any CI/CD system

#### Third-Party Scanners

- Black Duck
- Checkmarx
- GitLab
- HashiCorp
- Semgrep
- Snyk
- Veracode
- SonarQube
- Ingest findings from any scanner using SARIF format

## Unite AppSec, Cloud, and SOC with Cortex Cloud

Cortex Cloud rearchitects the world's leading cloud-native application protection platform (CNAPP) on the No. 1 SecOps platform for real-time security from code to cloud to SOC. Unified data, AI, and automation forge an adaptive defense that stops threats instantly at their source—empowering businesses to embrace AI-driven innovation without compromise.

For the first time, get best-in-class application security, cloud security, and SecOps on a single, unified platform—and shut down threats significantly faster and more efficiently.

### About Cortex Cloud

Cortex Cloud, the next generation of Prisma® Cloud, merges best-in-class CDR with industry-leading CNAPP for real-time cloud security. Harness the power of AI and automation to prioritize risks with runtime context, enable remediation at scale, and stop attacks as they occur. Bring together your cloud and SOC on the unified Cortex platform to transform end-to-end operations. Experience the future of real-time cloud security at [www.paloaltonetworks.com/cortex/cloud](https://www.paloaltonetworks.com/cortex/cloud).

**SEE CORTEX CLOUD IN ACTION**



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