zscaler™

Posture Control for Cloud-Native Applications

Experience your public cloud infrastructure and native apps, secured.

⋯ Business challenge

Today's development and DevOps teams work at high speed across many IaaS, PaaS, and SaaS offerings. Meanwhile, they've shifted from developing monolithic web applications to leveraging microservices and serverless architectures. Securing cloud-native apps requires continuous automated risk assessment and security tightly integrated into infrastructure and the apps themselves, but traditional security approaches and siloed on-premises security solutions aren't enough to keep mission-critical apps and infrastructure secure.

Solution: Posture Control for cloud-native applications

Posture Control, a cloud-native **application protection platform (CNAPP)**, reimagines cloud-native application security as a **100% agentless solution** that uses machine learning to correlate hidden risks caused by misconfigurations, threats, and vulnerabilities across the entire cloud stack. It empowers security, development, and DevOps teams to efficiently prioritize and remediate risks in cloud-native and VM-based applications as early as possible in the development cycle.

Posture Control is part of **Zscaler for Workloads**, a comprehensive cloud security solution for any application running on any service in any cloud.

How does Posture Control work?

Posture Control continuously monitors your attack surface and measures the risk to your organization while enabling you to:

- **Discover** all your assets for misconfigurations, vulnerabilities, and noncompliance

- **Prioritize** the most high-impact risks with advanced threat correlation and ML

- **Optimize** response with rich context, actionable information, automated guardrails, and step-by-step guided remediation

- **Comply** with internal and external policies using prebuilt security policies and compliance libraries of common best practices

- **Integrate** with security, compliance, and DevOps ecosystems to enhance cross-team collaboration and communication

- **Consolidate** security stack by replacing multiple point solutions such as CSPM, CIEM, and more with the unified Posture Control solution

Posture Control key functions

Comprehensive coverage: Eliminate the overhead and risk of disconnected point solutions with a unified CNAPP that converges **CSPM**, **CIEM**, CMDB, and **CWPP** alongside IaC security, vulnerability management, and compliance management.

Advanced threat and risk correlation: Uncover combinations of misconfigurations or activities that are seemingly low–risk in isolation, but together can create real risk. Automatically prioritize correlated risks to improve SOC efficiency and reduce alert fatigue.

Agentless deep scanning: Avoid developer friction and blind spots with an API–based, agentless approach. Posture Control scans container images in registries and VMs in production environments to identify and prioritize risk.

Risk and compliance visualization: Gain complete visibility of risks across your multi–cloud footprint, including VMs, containers, and serverless workloads.

Seamless integration: Natively integrate with development platforms like VS Code, DevOps tools like GitHub and Jenkins as well as security ecosystems such as ServiceNow, JIRA, and Splunk to provide visibility, alerting, and control from build to run.

Full life cycle cloud security: Shift your security left to detect and resolve issues early in the development phase before they become production incidents. Posture Control monitors automated deployment processes and sends alerts when it identifies critical security issues in CI/CD tools like Jenkins, GitHub actions, and Code repositories like GitLab and GitHub.

Secure data (New): Secure distributed data against accidental exposure, targeted attacks, and malicious exfiltration.

Intelligent threat protection (New): Leverage threat intelligence from the Zscaler ThreatLabz research team to gain a holistic view of the threat landscape and block malicious activity & future attack paths.

Posture Control key benefits

Reduce complexity, costs, and the burden of managing multiple point solutions to secure your cloud environment and maintain compliance.

Enforce consistent security policies across all cloud services with a unified policy engine.

Prevent misconfigurations and security issues, costly mistakes, or security mismanagement due to limited resources and skill sets to secure cloud–native applications.

Leverage powerful visualization and reporting with a clear graphical view of complex cloud infrastructure and service relationships to understand dangerous attack paths based on security vulnerabilities, misconfigurations, permissions, and exposed data.

Break down data silos by consolidating, correlating, and validating data from multiple data sources.

Keep pace with dynamic cloud environments by embedding security in developer workflows. Prioritize and remediate critical risk while reducing alert fatigue and time–consuming investigations to achieve fast and safe deployments.

Enhance team collaboration and communication with context and insight into critical risks to improve your overall security posture.

Data security and threat intelligence Secure sensitive data against today's sophisticated attack vectors with comprehensive visibility, risk prioritization, and controls.

Posture Control features by edition

Feature	Posture Control—Essentials	Posture Control—Advanced
Cloud security posture management (CSPM)	Yes	Yes
Configuration management database (CMDB)	Yes	Yes
Cloud infrastructure entitlement management (CIEM)	Yes	Yes
Compliance and governance	Yes	Yes
Threat and risk correlation	Yes	Yes
Infrastructure as code (IaC) security	Add-on	Yes
Vulnerability scanning	Add-on	Yes

Technology integration and supported platforms

Posture Control integrates with leading cloud providers, DevOps, and operations tools that provide visibility, automation, intelligence, and service management.

Integrations

Cloud Providers	Dev and DevOps Tools		Alerting and Notification Providers
• Amazon Web Services (AWS) • Microsoft Azure • Google Cloud	**Code repositories** • GitHub • GitLab • Azure Repos **CI/CD tools** • GitHub Actions • Jenkins • Azure pipelines • Terraform • TeamCity • CircleCI	**CLI scanner** • Visual Studio • Windows, macOS, Linux **IaC templates** • AWS CloudFormation (JSON, YAML) • Helm • Kubernetes • Terraform	• Splunk • ServiceNow • Jira

Visit our website to learn more about Posture Control. Request your free **Cloud Risk Security Assessment** with Posture Control.