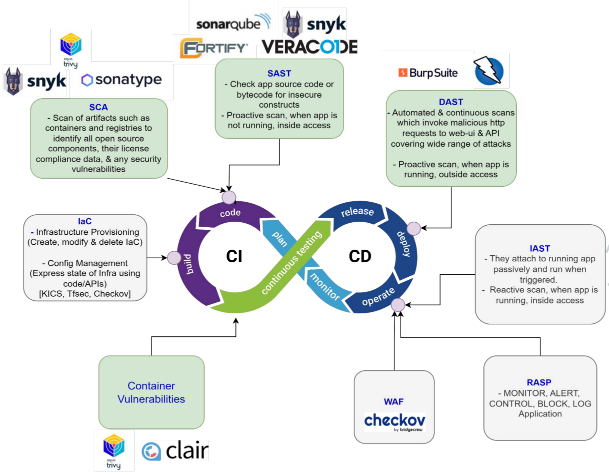
Application Security Posture Management (ASPM) Datasheet

ACCUKNOX
Secure Code to Cognition™

One Dashboard to Integrate All your SAST & DAST Security Tools



SCA
- Scan of artifacts such as containers and registries to identify all open source components, their license compliance data, & any security vulnerabilities

SAST
- Check app source code or bytecode for insecure constructs
- Proactive scan, when app is not running, inside access

DAST
- Automated & continuous scans which invoke malicious http requests to web-ui & API covering wide range of attacks
- Proactive scan, when app is running, outside access

IaC
- Infrastructure Provisioning (Create, modify & delete IaC)
- Config Management (Express state of Infra using code/APIs) [KICS, Tfsec, Checkov]

IAST
- They attach to running app passively and run when triggered.
- Reactive scan, when app is running, inside access

Container Vulnerabilities

WAF

RASP
- MONITOR, ALERT, CONTROL, BLOCK, LOG Application

#	Tool	Use Case
1	steampipe	Compliance
2	CloudSploit by aqua	Compliance
3	aqua kube-bench	Host Security
4	aqua trivy Code	SCA
5	aqua trivy	Container Security
6	prowler	Compliance
7	aws Metadata	Other
8	AWS Security Hub	Compliance
9	Nessus	Host Security
10	FORTIFY	SAST
11	snyk Code	SAST
12	VERACODE	SAST
13	sonarqube	SAST
14	Semgrep	SAST
15	CLOC	SAST
16	Checkmarx	DAST
17	Checkmarx	SAST
18	aqua trivy	SCA
19	snyk Container	Container Security

#	Tool	Use Case
20	BurpSuite	DAST
21	ZAP	DAST
22	NUCLEI	DAST
23	Masscan	Host Security
24	zeek	Host Security
25	TITANIA NIPPER	Network Security
26	GitHub Actions	CI/CD
27	snyk IaC	SCA
29	clair	Container Security
30	aqua kube-bench	Container Security
31	aqua kube-hunter	Container Security
32	kubesploit	Container Security
33	Qualys.	Other
34	checkov	IaC
35	NUCLEI	DAST
36	TruffleHog	Secret Scanning

AccuKnox provides a modern, automated, and centralized solution for Application Security Posture Management (ASPM), integrating SAST, SCA, DAST, CI/CD security, and secrets scanning into a seamless, developer-friendly workflow.

Pipeline Overview

Code Commit

1. SAST (Static Application Security Testing)
2. SCA (Software Composition Analysis)
3. Secrets Scanning

Build & CI/CD

1. Integrated SAST + SCA
2. IaC & Container Security
3. Automated Compliance Checks

Pre-Deployment

1. DAST (Dynamic Application Security Testing)
2. Runtime Security Drift Detection

Production

1. Drift & Attack Surface Monitoring
2. Zero-Day Threat Protection

Production ASPM

1. Application Attack Surface
2. Application Drift
3. Application Risk
4. Data Privacy Risk

Application Dev and QA

1. Software Composition Analysis (SCA)
2. Static Application Security Testing (SAST)
3. Dynamic Application Security Testing (DAST)

Component	Focus Area	Key Functions	Ideal For
SAST/SCA/DAST	Code Security	Detect code flaws, OSS vulnerabilities	Devs, AppSec Teams
IaC & Policy-as-Code	Cloud Provisioning Security	Pre-deployment checks for cloud templates	Cloud Engineers, DevOps
CI/CD Pipeline Guard	Build-Time Security	Shift-left scanning, hardcoded secrets, dependency risks	DevOps, Platform Teams
Threat Modeling	Risk Mapping & Prioritisation	Visualise threat paths, prioritise based on impact	SecOps, Architects
Drift Detection	Runtime Behaviour Monitoring	Alert on the drift between expected vs actual behaviour	DevSecOps, SOC Teams

Objectives and Outcomes

Stage	Objective	AccuKnox Outcomes/ Benefits
SAST	• Analyzes source code, bytecode, or binaries to detect security flaws early in the development lifecycle, before deployment. • Detects issues like buffer overflows, insecure API usage, hardcoded credentials, and injection vulnerabilities • Provides precise code-level insights to help developers fix issues during development • Enables early risk detection, reducing costly rework in later stages • Aggregated reporting helps track security trends across projects • Integrates into CI/CD pipelines for automated and continuous analysis	Early risk detection, aggregated insights, save rework
SCA	• Identifies and manages security risks and license compliance issues in third-party and open-source dependencies. Continuously scans dependencies for known vulnerabilities and outdated versions • Tracks license usage to ensure compliance with open-source licenses • Detects vulnerabilities based on public databases (e.g., NVD) and private advisories • Provides actionable remediation guidance, such as version upgrades or replacements • Integrates into development workflows to enforce secure dependency management	Continuous open-source risk scanning, license compliance
DAST	• Identifies real-time security vulnerabilities in running applications by simulating external attacks. • Focuses on issues such as SQL injection, Cross-Site Scripting (XSS), and insecure server configurations • Complements SAST (Static Application Security Testing) by testing runtime behavior	Automated tests, fewer false positives, real exploit focus
Secrets Scanning	• Prevent secret leaks and hardcoded credentials	Multilayer scanning, centralized, live alerting/ remediation

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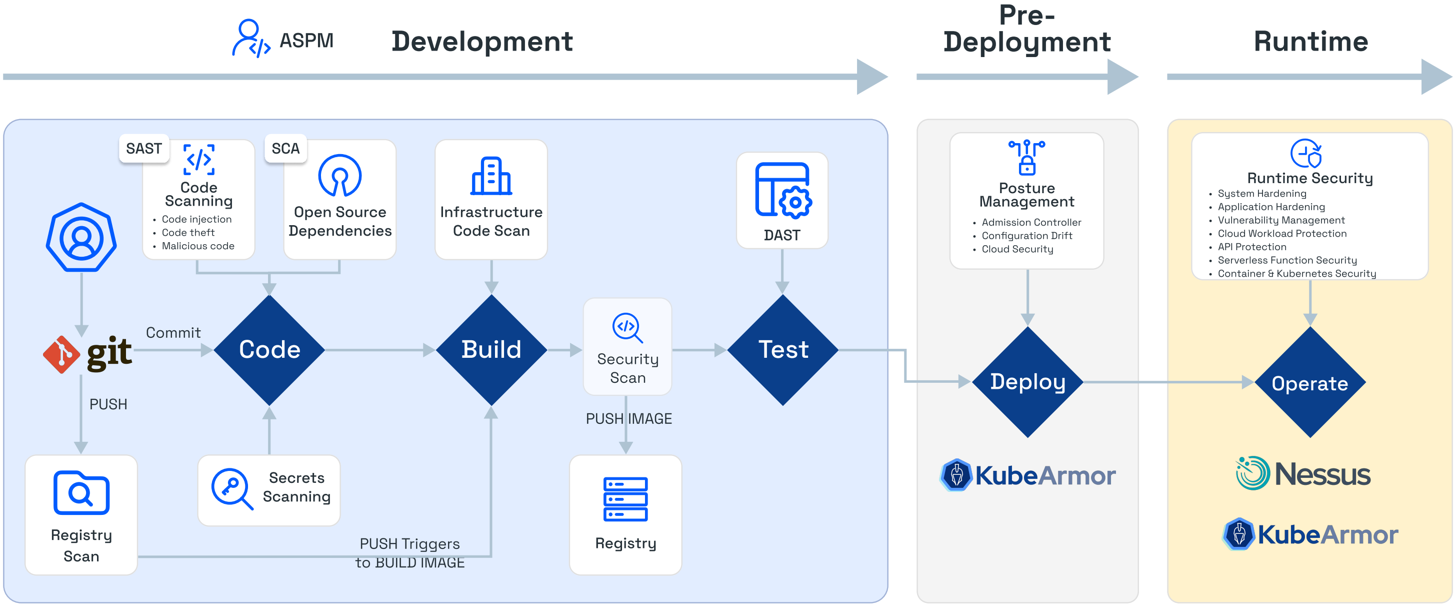
Secure Code to Cognition™

AccuKnox secures your application from the first line of code to production runtime—automated, intelligent, and developer-first.



ASPM — Development — Pre-Deployment — Runtime

SAST: Code Scanning
- Code injection
- Code theft
- Malicious code

SCA: Open Source Dependencies

Infrastructure Code Scan

DAST

git — Commit → Code → Build → Security Scan → Test → Deploy → Operate

PUSH → Registry Scan

Secrets Scanning

PUSH Triggers to BUILD IMAGE

PUSH IMAGE → Registry

Posture Management
- Admission Controller
- Configuration Drift
- Cloud Security

KubeArmor

Runtime Security
- System Hardening
- Application Hardening
- Vulnerability Management
- Cloud Workload Protection
- API Protection
- Serverless Function Security
- Container & Kubernetes Security

Nessus

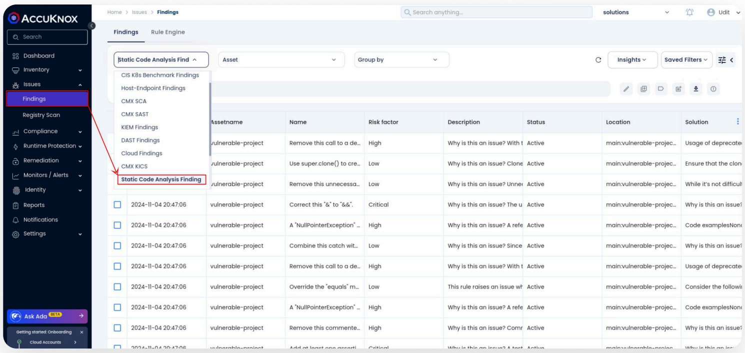
KubeArmor

Static Application Security Testing (SAST)

Objective:
Detects insecure code patterns, vulnerabilities, and misconfigurations early in the SDLC—right inside IDEs or CI/CD pipelines.

Benefits of AccuKnox:

1. Aggregated, real-time code scanning with actionable remediation
2. Central dashboard for correlating SAST, DAST, and SCA insights
3. Reduced false positives through powerful triage and context awareness
4. Early detection saves massive remediation costs and effort
5. Seamless integration with developer and pipeline tooling (GitHub, Jenkins, Devtron, etc.)



		Assetname	Name	Risk factor	Description	Status	Location	Solution
		vulnerable-project	Remove this call to a de...	High	Why is this an issue? With t	Active	main:vulnerable-projec...	Usage of deprecate
		vulnerable-project	Use super.clone() to cre...	Low	Why is this an issue? Clone	Active	main:vulnerable-projec...	Ensure that the clon
		vulnerable-project	Remove this unnecessa...	Low	Why is this an issue? Unne	Active	main:vulnerable-projec...	While it's not difficul
□	2024-11-04 20:47:06	vulnerable-project	Correct this "&" to "&&".	Critical	Why is this an issue? The u	Active	main:vulnerable-projec...	Why is this an issue?
□	2024-11-04 20:47:06	vulnerable-project	A "NullPointerException" ...	High	Why is this an issue? A refe	Active	main:vulnerable-projec...	Code examplesNon
□	2024-11-04 20:47:06	vulnerable-project	Combine this catch wit...	Low	Why is this an issue? Since	Active	main:vulnerable-projec...	Why is this an issue?
□	2024-11-04 20:47:06	vulnerable-project	Remove this call to a de...	High	Why is this an issue? With t	Active	main:vulnerable-projec...	Usage of deprecate
□	2024-11-04 20:47:06	vulnerable-project	Override the "equals" m...	Low	This rule raises an issue wh	Active	main:vulnerable-projec...	Consider the followi
□	2024-11-04 20:47:06	vulnerable-project	A "NullPointerException" ...	High	Why is this an issue? A refe	Active	main:vulnerable-projec...	Code examplesNon
□	2024-11-04 20:47:06	vulnerable-project	Remove this commente...	High	Why is this an issue? Comr	Active	main:vulnerable-projec...	Why is this an issue?
□	2024-11-04 20:47:06	vulnerable-project	Add at least one asserti...	Critical	Why is this an issue? A test	Active	main:vulnerable-projec...	Why is this an iss

Software Composition Analysis (SCA)

Objective:
Inventory, scan, and monitor open-source dependencies for known vulnerabilities, licensing risks, and supply chain threats throughout the pipeline.

Benefits of AccuKnox:

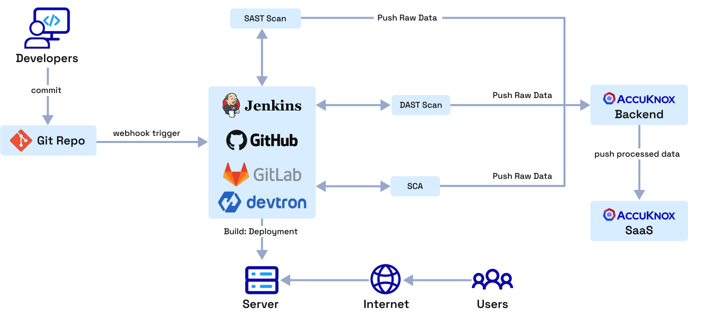
1. Automated detection of vulnerable, outdated, or non-compliant libraries
2. Real-time risk insights for both direct and transitive dependencies
3. License compliance enforcement and supply chain risk mitigation
4. Unified SCA with SAST and DAST for 360° protection—no blindspots
5. Automated, continuous scans in CI/CD.

Dynamic Application Security Testing (DAST)

Objective:
Simulate real-world attacks on running applications and APIs to surface vulnerabilities missed during code analysis or staging.

Benefits of AccuKnox:

1. Full integration with CI/CD for automated, continuous dynamic analysis
2. Visibility into OWASP Top 10 and API security gaps
3. Unified dashboard for managing findings and recommended fixes
4. Lower false positives, better risk mapping, and reduced MTTR



Developers — commit → Git Repo — webhook trigger → Jenkins / GitHub / GitLab / devtron

SAST Scan — Push Raw Data → AccuKnox Backend

DAST Scan — Push Raw Data → AccuKnox Backend

SCA — Push Raw Data → AccuKnox Backend

AccuKnox Backend — push processed data → AccuKnox SaaS

Build: Deployment → Server ← Internet ← Users

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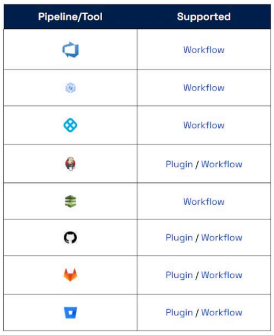
Secrets Scanning & CI/CD Security

Objective:

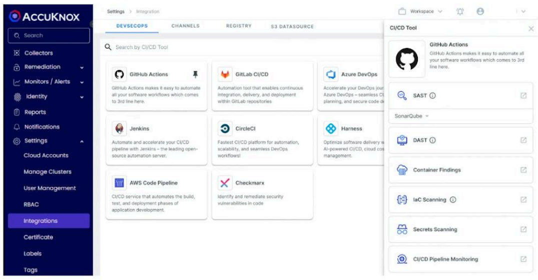
1. Detect and block hardcoded secrets and misconfigurations across code, IaC, containers, S3, and K8s
2. Secure the CI/CD workflow from code commit to deployment against leakage and injection attacks

Benefits of AccuKnox:

1. Multi-surface scanning (source, containers, S3, K8s, IaC) with centralized governance
2. Active integration with CI/CD pipelines for instant remediation
3. Runtime defense & policy enforcement (eBPF, KubeArmor)



Pipeline/Tool	Supported
	Workflow
	Workflow
	Workflow
	Plugin / Workflow
	Workflow
	Plugin / Workflow
	Plugin / Workflow
	Plugin / Workflow



GitHub Actions
GitHub Actions makes it easy to automate all your software workflows which comes to 3rd line here.

GitLab CI/CD
Automation tool that enables continuous integration, delivery, and deployment within GitLab repositories

Azure DevOps
Accelerate your DevOps jour Azure DevOps – seamless Cl planning, and secure code d

Jenkins
Automate and accelerate your CI/CD pipeline with Jenkins – the leading open-source automation server.

CircleCI
Fastest CI/CD platform for automation, scalability, and seamless DevOps workflows!

Harness
Optimize software delivery w AI-powered CI/CD, cloud co management.

AWS Code Pipeline
CI/CD service that automates the build, test, and deployment phases of application development.

Checkmarx
Identify and remediate security vulnerabilities in code

CI/CD Tool

GitHub Actions
GitHub Actions makes it easy to automate all your software workflows which comes to 3rd line here.

SAST
SonarQube
DAST
Container Findings
IaC Scanning
Secrets Scanning
CI/CD Pipeline Monitoring

Why AccuKnox?

Unified Security Dashboard

All findings (SAST/SCA/DAST/Secrets/IaC) in one, correlated interface

Automation-First

Deep CI/CD integration; scans run at every phase without developer friction

Noise Reduction

Prioritizes critical vulnerabilities, filters false positives, accelerates remediation

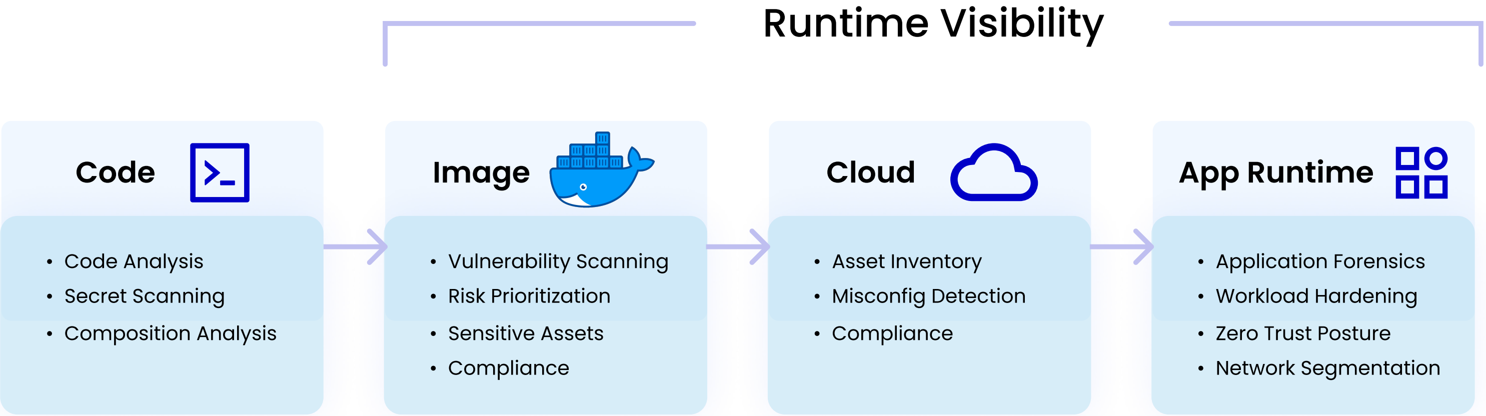
Zero Trust Enforcement

Runtime protection with eBPF, policy-as-code, and drift/attack monitoring

Open-Source Compatibility

Seamless with modern DevOps stack (GitHub, Jenkins, K8s, Terraform, Trivy, SonaType)

Runtime Visibility



Code

- Code Analysis
- Secret Scanning
- Composition Analysis

Image

- Vulnerability Scanning
- Risk Prioritization
- Sensitive Assets
- Compliance

Cloud

- Asset Inventory
- Misconfig Detection
- Compliance

App Runtime

- Application Forensics
- Workload Hardening
- Zero Trust Posture
- Network Segmentation

About AccuKnox

AccuKnox is a Zero Trust CNAPP provider protecting multi-cloud environments, Kubernetes, VMs, and edge infrastructure.