

Code to Cloud Security



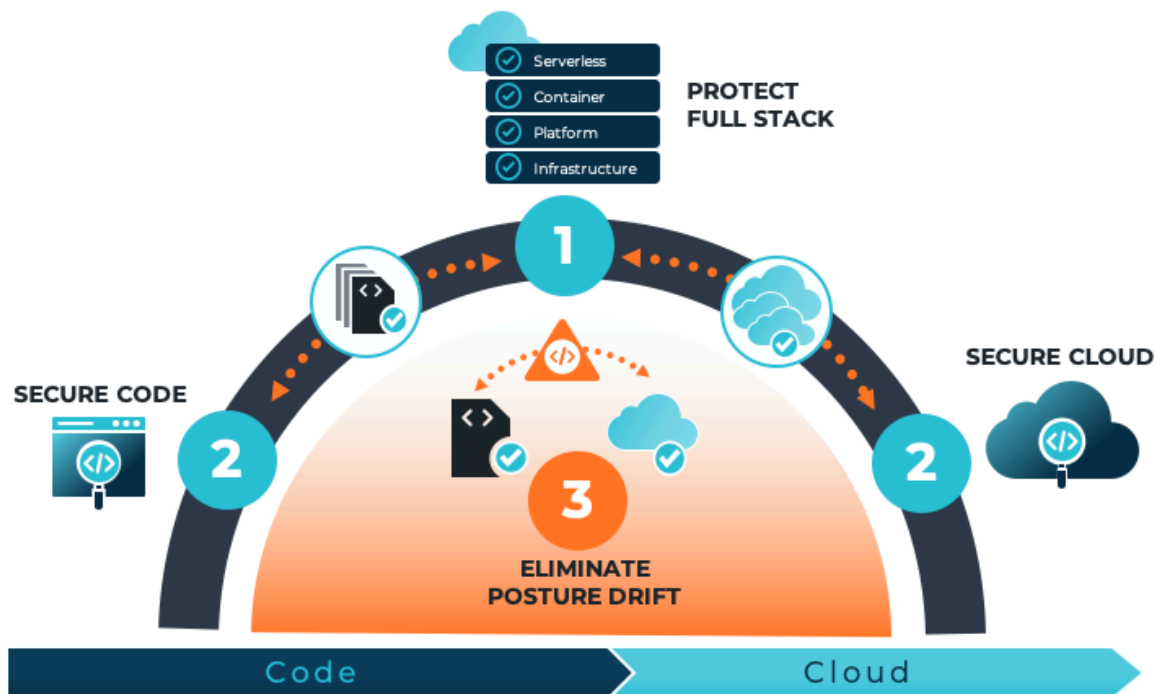
accurics™

Immutable Security for Immutable Infrastructure

As organizations rapidly adopt new technologies such as serverless, containers, and servicemesh, cloud infrastructure is becoming increasingly “immutable”: infrastructure is never modified after it is deployed. If something needs to be modified in any way, new infrastructure has to be provisioned through code. Traditional cloud security approaches are untenable for securing transient cloud native infrastructure. The only way to secure immutable infrastructure is to adopt a paradigm of immutable security which is based on three core principles:

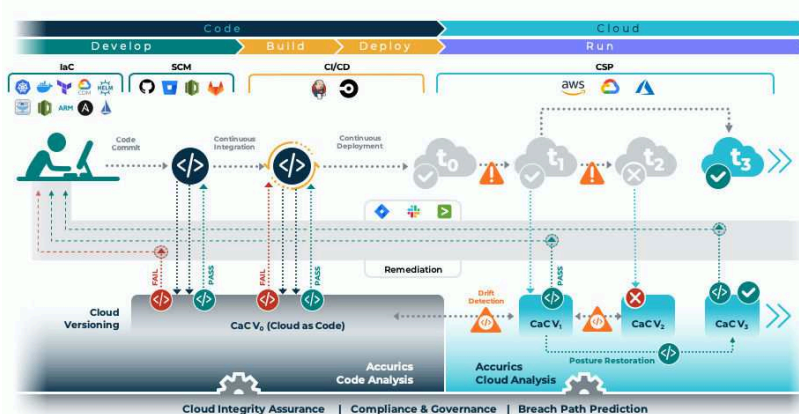
- 1**
Protect the full cloud native infrastructure stack including serverless, containers, platform, and infrastructure
- 2**
Throughout the DevOps lifecycle from code (before infrastructure is provisioned) to cloud (after infrastructure is provisioned)
- 3**
Eliminate risk posture drift over time by reconciling changes to cloud (provisioned infrastructure) that introduce risks with the baseline defined through code

Accurics enables “immutable security” for immutable infrastructure so that organizations can embrace the latest cloud native technologies with confidence.



Accurics Integrates Into Your DevOps Lifecycle

Accurics scans code such as Terraform, Kubernetes YAML, Dockerfile, and OpenFaaS YAML to detect and remediate misconfigurations, policy violations, and potential breach paths before your cloud infrastructure is provisioned. It subsequently monitors infrastructure deployed across AWS, Azure, and Google Cloud Platform to detect changes that introduce risk and create posture drift in the cloud from a baseline defined through code. You can remediate drifts by truing up your infrastructure code to reflect legitimate changes or redeploying your cloud from code to mitigate risks.



“When it comes to protecting data, either from an information security perspective or to comply with regulatory requirements such as PCI, GDPR, or HIPAA, the majority of key controls are managed through configuration. Accurics continuously monitors infrastructure code as well as production cloud deployments for changes that introduce misconfigurations and policy violations.”

— Paolo Montini, CDO & Head of Cyber Risk Management @ Lending Club

Platform Capabilities

Accurics seamlessly enables compliance, governance, and security across cloud native infrastructure throughout the devops lifecycle in multi-cloud environments with the following capabilities.

Full Stack Visibility

Get real-time visibility into your topology defined through code and in the cloud, including serverless, container, platform, and infrastructure technologies.

Infrastructure as Code Security

Scan code such as Terraform, Ansible, Kubernetes YAML, Dockerfile and OpenFaaS YAML for misconfigurations, vulnerabilities, policy violations, and potential breach paths before your cloud infrastructure is provisioned.

Cloud Posture Management

Continuously monitor your production cloud deployment for changes that introduce misconfigurations, policy violations, and potential breach paths.

Drift Protection

Continuously assess the posture of your cloud deployment and flag any drifts from the posture defined through code.

Posture Restoration

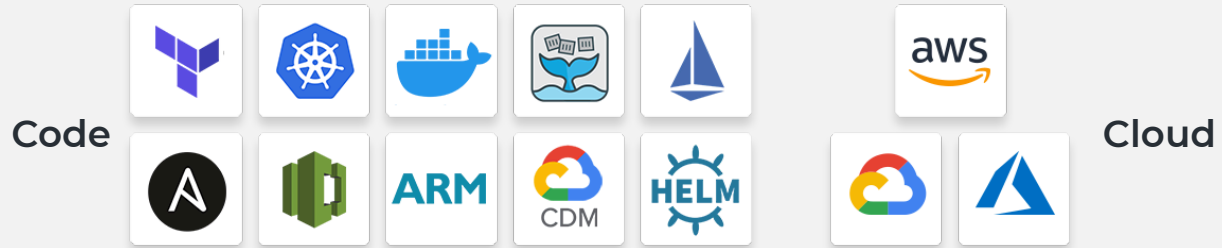
Update your code to reflect legitimate production changes or restore your cloud to the last known secure posture if a change introduces risk.

Remediation

Resolve issues via integrations with alert management mechanisms such as Slack, JIRA, Splunk, webhooks and email.

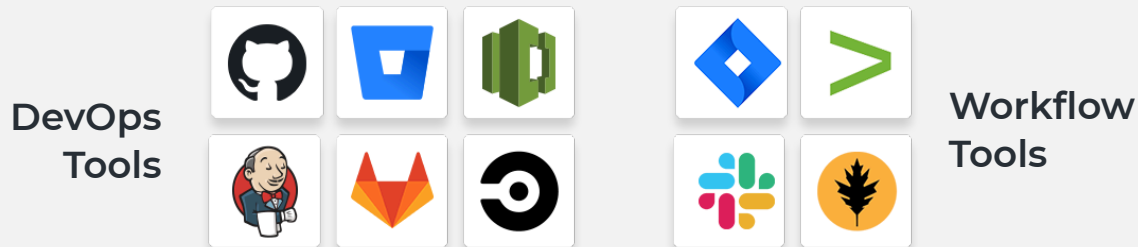
Technologies You Can Secure

Protect your full cloud native stack defined through code and deployed in the cloud.



Works with Your Toolchain

Seamlessly connect Accurics with services throughout the DevOps lifecycle.



Deployment Options

You can use Accurics as a cloud solution or download a self-hosted version to meet your organization's individual needs.



SaaS

Get up and running in minutes with a fully managed instance

Alleviate the need for maintenance with automatic upgrades

Built with privacy by design principles



Self-Hosted

Ensure data residency and sovereignty

Satisfy regulatory requirements
Complete private repository access

Visit us at www accurics.com to learn more