

Security and Compliance

SaaS Platform for Open Source Languages

ACTIVESTATE SAAS PLATFORM

The way to build, monitor and secure open source languages.

The first feature set provides runtime security and compliance of programs built with open source languages. The feature set augments security and compliance provided in ActiveState's language distributions.

FIRST LINE OF CODE TO PRODUCTION

Security and compliance are built into your applications from the first line of code all through to production.

RUNTIME SECURITY

You can manage the runtime security and compliance of applications with the included plugin for open source language interpreters.

The plugin sends information about the application (package names, versions, licenses, etc.) to the ActiveState Platform. This enables customers to identify security vulnerabilities, out-of-date packages and risky/restrictive licenses (such as GPL or LGPL).

360 Degree View. No blind spots, view the full SDLC, from Dev to QA to Ops and InfoSec in production.

Agentless Monitoring. Monitor runtime code, real time, with no agent overhead.

Check and Balance. Ensure code changes are not being made directly in production.

Reduce Costs. Resolve security and compliance issues before they get to production.

Verify Licensing. Identify GPL/ LGPL licensed libraries and other licenses that conflict with your policies.

Prioritize Fixes. Better triage security issues; know which libraries are being run and which aren't being run.

DECREASE ATTACK SURFACE

ActiveState's 20+ years of build engineering expertise can enable your security teams with a way to configure builds with only the required application, security and compliance components. You benefit from smaller builds and decreased attack surface.

MORE PRODUCTIVITY

Get to market faster by eliminating the security and validation delays found when taking software built with open source to market. Avoid delays like:

- New threats that compromise the application;
- Checking for updates to open source libraries;
- Finding open source licensing conflicts late in the dev cycle.

FASTER APPLICATION DELIVERY AT LOWER RISK

Deliver applications faster with lower risk. All your stakeholders in the software development lifecycle (SDLC) are empowered and can retain control.

ActiveState helps you speed up time to market. Your Dev teams can benefit from our secure and compliant open source language distros. And all stakeholders from Devs working in the IDE to the QA tester to Ops and InfoSec teams in production can identify security and compliance issues.

ActiveState provides you with the ability to identify and resolve security and compliance issues at every stage of the application lifecycle. Your stakeholders can decide when and where to resolve security and compliance issues.

IDENTIFY AND VERIFY ENVIRONMENTS

You can identify vulnerabilities wherever code is run including unit tests, performance tests and integration tests. Vulnerabilities can be found well before production.

Plus, verify production environments and confirm changes are not being made directly to production code.

KEY FEATURES AND FUNCTIONALITY

Runtime Monitoring	Monitor running code, not static packages in a repository. Agentless - no performance hit on client; Real time monitoring - updates as packages are loaded.
Reduce Application Risk	Track key risk indicators (vulnerabilities, outdated packages, etc.) for applications throughout the CI/CD process and in production.
Dashboard of Key Risk Indicators	Access a dashboard that provides at-a-glance identification of vulnerabilities, out-of-date libraries, and risk for every application instance in the enterprise.
Monitor Open Source Licenses	Identify open source licenses that conflict with your organization's guidelines, including GPL and LGPL.
Identify Custom Code	Identify code libraries that have been customized in order to investigate whether changes have been made in accord with the library's license.
Agentless Monitoring	The ActiveState plugin runs at application startup, as well as on load of a new package, eliminating the performance overhead of a traditional agent.
Reduce Cost of Issue Resolution	Identify and resolve open source language security and compliance issues in Development and throughout the CI/CD chain before they get to Production.
Reduce Time to Detection	Leverage real time identification of vulnerabilities wherever the code is run: from unit tests in Development through performance tests in Staging, as well as in all Production datacenters.
Reduce Time to Resolution	Ensure stakeholders throughout the Software Development Lifecycle are aware of security and compliance issues so the most appropriate resource can take action at the most appropriate stage.
Reduce False Positives	Identify which open source language packages are actually running in Production versus which are never loaded/run so you can prioritize fixes.

AVAILABILITY*

Python Versions	Available for ActivePython 2.7.x, 3.5.x and 3.6.x.
Form Factors	Available as a cloud-based service running on Amazon Web Services (AWS).

SPECIFICATIONS

Vulnerability Database	Vulnerability and CVE information is updated every 24 hours from multiple sources, including NVD, social media, developer resources, and others.
Application Data	ActiveState only collects metadata about open source language packages, including package name, package license, and version number.
Data Security	Application data is sent via SSL to the ActiveState Platform, and stored in a North American AWS RDS instance.
Runtime Overhead	Depending on the size of your application, the ActiveState plugin runs for a few milliseconds at startup time, and <1 ms on subsequent package load.
Application, Server and User Monitoring	Depending on configuration, monitoring can be set up on a per server, per user or per application instance basis.

*Availability is first for Python programs. Subsequent Platform releases will include support for other open source languages including those that ActiveState currently builds: Tcl, Perl, Go and Ruby.



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