

Achieving the Impossible:

3 Steps to Minimize Risk & Reap the Benefits of Secured Open Source



Agenda

- Observability
- Scalability
- Rapid Remediation
- Demo
- Q&A

Introductions



Pete Garcin

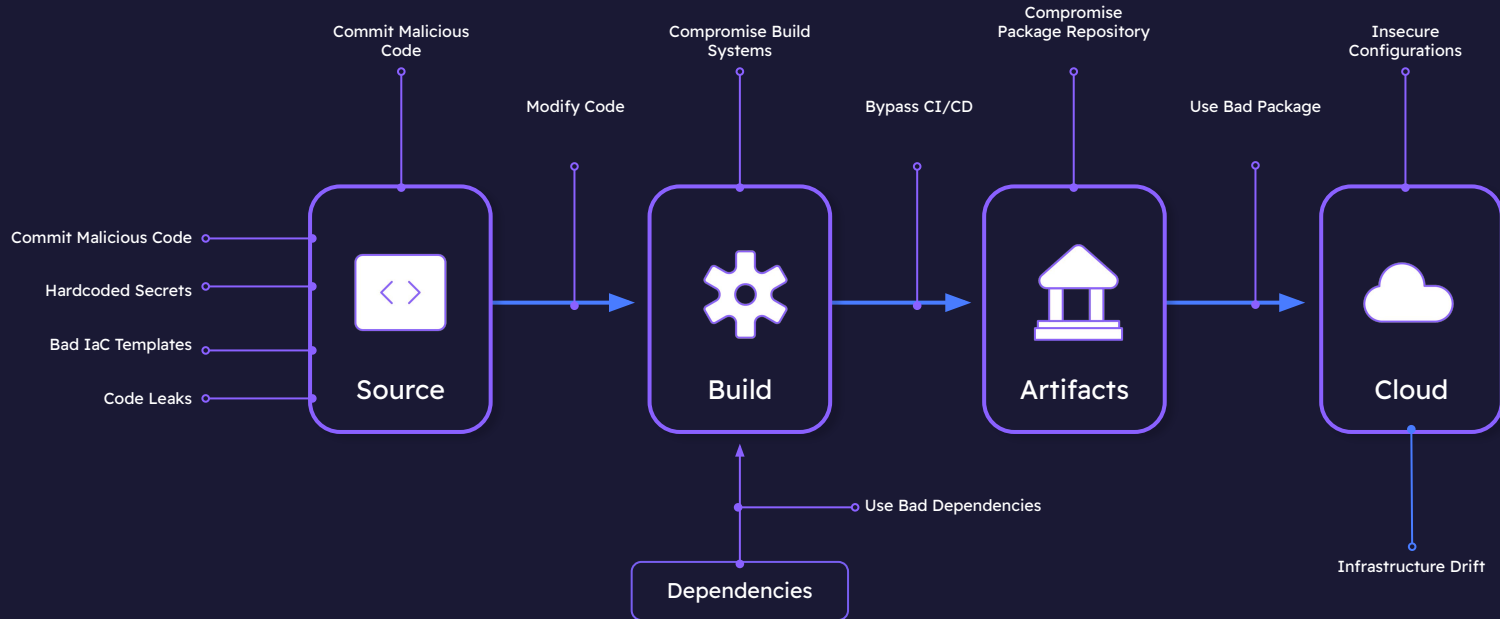
Director of Product,
ActiveState



Evan Cole

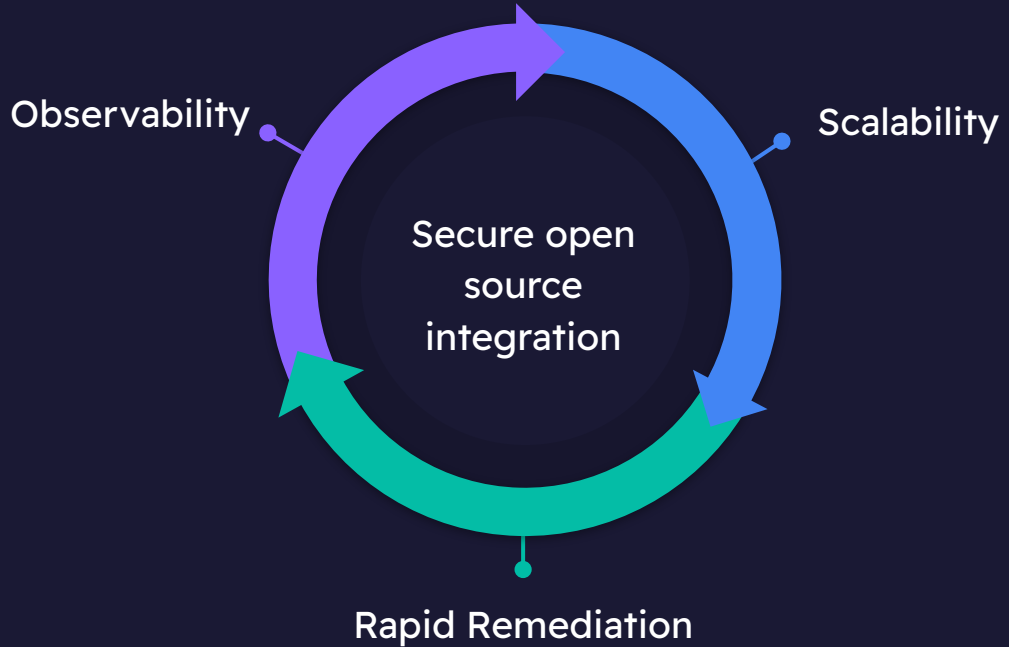
Sr. Solutions Engineer,
ActiveState

Open Source Vulnerabilities and the Software Supply Chain



Open source security your developers will love.

What is ActiveState?



What does **secure open source integration** provide?

Observability

Audit from top level to the lowest transitive dependencies for every developer in your org.

Scalability

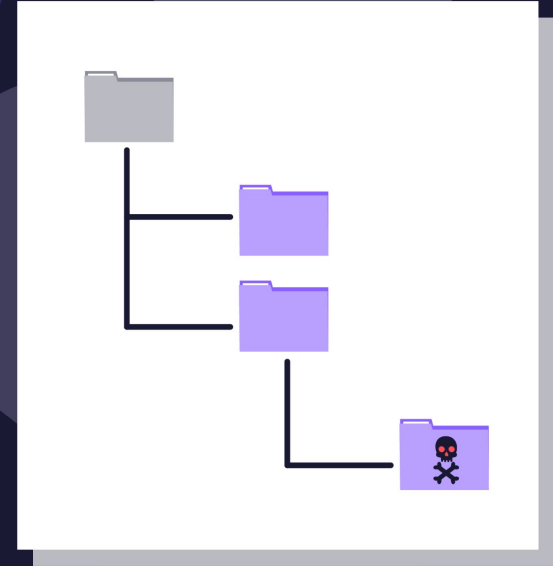
Security for the entire development organization with shareable, reproducible environments.

Rapid Remediation

Control what open source can be used and fast-fix any violations.

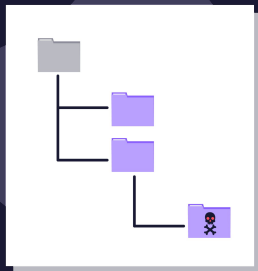
Observability



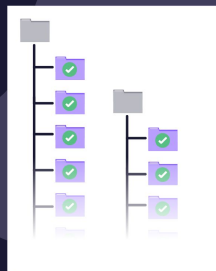


Open Source Observability

What is in use



Where it is being used



Where it came from



ActiveState's Platform Provides High Observability

- Understand what's running and where
- Track transitive dependencies seamlessly
- Understand packages, licenses, vulnerabilities, versions
- Obtain SBOMs and other reports

Observability Demo

Poll:

What is your current level of observability? (Check one)

- Nothing, we don't have any visibility
- Only our top-level (ie. direct) open source dependencies
- All layers of open source dependencies (including transitive)
- All dependency layers plus tracking of licenses, versions, provenance
- Don't know

Scalability

The Chef's Dilemma: Managing Your Open Source at Scale

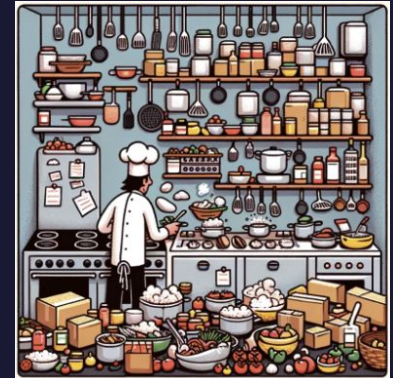
The Small Kitchen

- Manageable meal preparation
- Few ingredients
- Clear view and control



The Grand Feast

- Overwhelming number of ingredients (of potentially varying quality)
- Multiple stoves and ovens
- Chaos without a system



Open Source Scalability

Vetted dependencies and artifacts



Builds that just work



Shareable, reproducible environments



ActiveState's Platform Provides High Scalability

- Reproducibility
 - History, virtual environments, CLI and API for complete reproducible builds across your organization
- Cloud build system that builds everything from source on demand

Scalability Demo

Poll:

How scalable is your current system? (Check all that apply)

- None, developers build their own environments
- We vet all open source packages
- We build all packages from source
- We build from source, plus ensure secure reproducibility across operating systems
- Don't know

Rapid Remediation

The Pit Stop: Mastering Rapid Remediation

Traditional Remediation

- Takes days or even weeks
- Updates risk disruption to operations
- Uncertainty in results

Rapid, Reliable Remediation

- Address vulnerabilities in hours, not days
- Test and validates fixes seamlessly
- Confidence in uninterrupted operation (easily roll back and roll-out)



Open Source Vulnerability **Rapid Remediation**

Easily identify all vulnerabilities across the org



Fearless package updates



Share updated environment

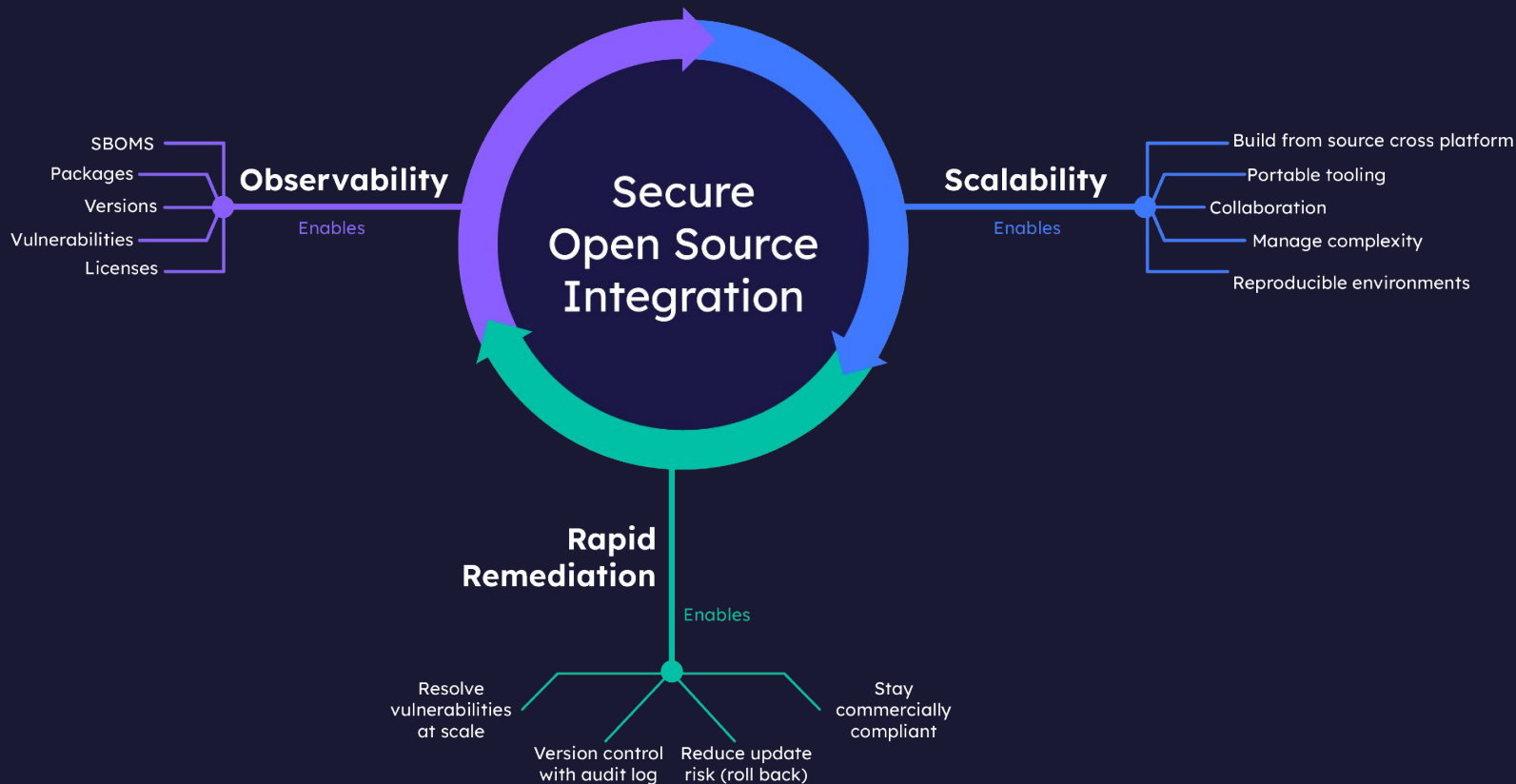


ActiveState's Platform Provides Rapid Remediation

- Vulnerability data directs you to a safe version
- Risk free imports and updates → everything is reproducible so you can easily update and roll back if needed
- Our secure build service (from source, SLSA3, etc.) gives you confidence in the provenance of artifacts

Rapid Remediation Demo

ActiveState



Q&A

Next Steps

Schedule a demo with our product experts:

www.activestate.com/solutions/contact-sales/



**Get our Journey to Supply Chain Security
eBook:**

<https://www.activestate.com/resources/white-papers/the-journey-to-software-supply-chain-security/>