

# Speeding Open Source Vulnerability Remediation



The ActiveState Platform simplifies and speeds open source vulnerability remediation by providing:

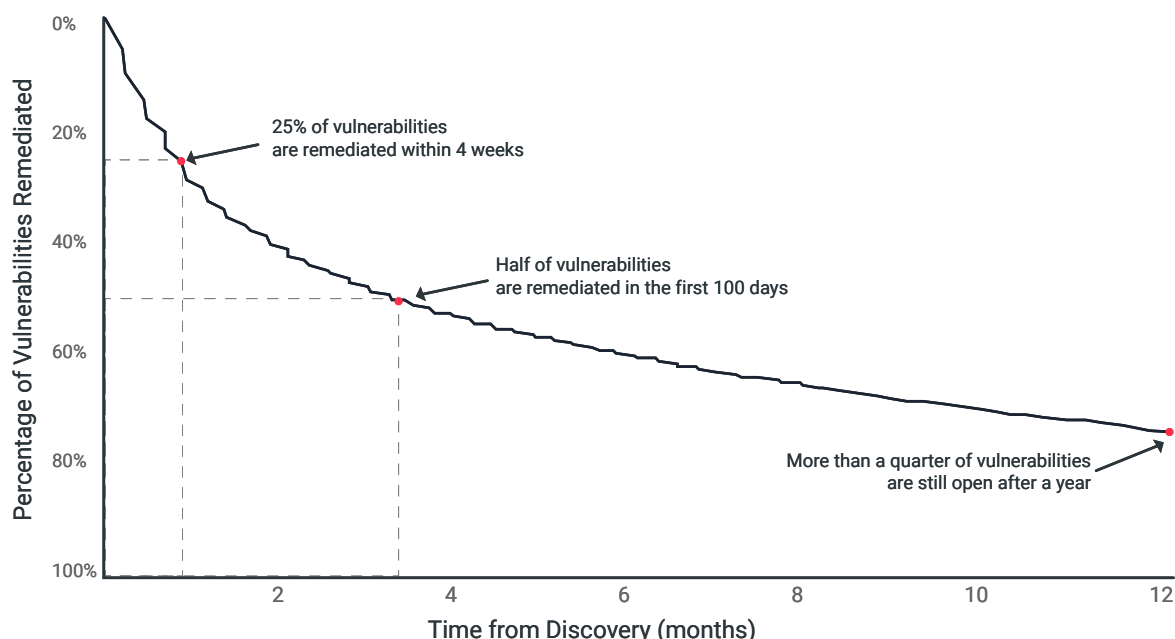
- Status updates when your Python, Perl or Tcl environment is vulnerable.
- A PDF report showing the severity level and details for each vulnerability.
- The ability to fix and automatically rebuild a secure version of your environment in minutes.

All of which can help you reduce both Mean Time To Detection of vulnerabilities and Mean Time To Remediation for your environments, ensuring applications stay secure no matter where they're located. After all, as the SolarWinds incident showed us, hacks can happen anywhere there's a network connection, including in development environments.

## The Open Source Vulnerability Problem

Studies have shown that the average time between when an open source vulnerability is disclosed, and when a patch is made available is approximately 9 days. However, the majority of attacks typically occur before a patch is released.

Worse, even after a patch is available, it can take an average of 38 days for organizations to apply it due to the lengthy investigation, rebuild, retest and redeploy cycle. Kenna Security and the Cyentia Institute summarized the vulnerability patching practices of 300 organizations in the following chart:



Source: Kenna/Cyentia

Figure 1: Time to patch vulnerabilities

## Resolve Open Source Vulnerabilities Faster

The ActiveState Platform is a universal package management solution for Python, Perl and Tcl that can help you secure your open source supply chain.

Two of the most important issues faced by development teams include timely vulnerability remediation and knowing which component/version of a component is safe to use. The ActiveState Platform addresses both issues, while ensuring that managers can meet key metrics like Mean Time To Detection (MTTD) of vulnerabilities and Mean Time To Remediation (MTTR) for your applications.

### Reduce MTTD

You can't secure vulnerabilities you don't know about, which is why the ActiveState Platform provides:

- A detailed Bill of Materials (BOM) for each of your Python, Perl and Tcl projects, showing exactly which components are currently vulnerable.
- A vulnerability status that shows the number of vulnerabilities by severity level for each of your projects, allowing you to identify risk.
- A PDF report that provides details on each vulnerability, and which you can email to all stakeholders to increase awareness.

### Reduce MTTR

Rather than waiting for a patch to be released, the ActiveState Platform uniquely lets you take action right away by:

- Indicating which version(s) of a component are vulnerable and which aren't, enabling a quick upgrade/downgrade as opposed to a lengthy investigation.
- Showing the ramifications of choosing a specific version of a component on the rest of your environment BEFORE you commit to it, ensuring you're always using secure, compatible components.
- Automatically rebuilding your environment for Windows and Linux in minutes, ready for deployment, dramatically reducing the build-and-test cycle.

You can try the ActiveState Platform by signing up for a free account at  
**[platform.activestate.com](https://platform.activestate.com)**

ActiveState is the de-facto standard for millions of developers around the world who have been using our commercially-backed, secure open source language distributions for over 20 years. With the ActiveState Platform, developers can now automatically build their own Python, Perl or Tcl Environments for Windows, Linux or Mac—all without requiring language or operating system expertise.

**NORTHROP GRUMMAN**



**Honeywell**



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