

Tricentis Tosca no-code test automation:

Helping DoD agencies release higher quality patches, faster

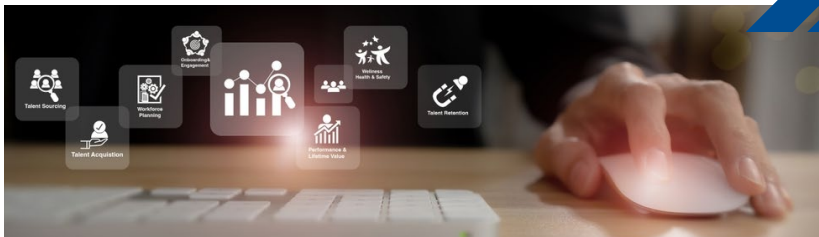
Research [has shown](#) that one-half of software vulnerabilities being exploited were variants of previously patched flaws. In other words, the vulnerabilities could have been prevented with better software patching and testing.

That startling insight brings to light a key aspect of cyber risk for the U.S. Department of Defense (DoD). Many military organizations aren't confident that mission-critical applications will perform reliably after patching. So, they skip patching altogether. Why? Because post-patch testing has become too great a burden.

Traditional, manual software testing is time-consuming, costly, and onerous. Defense agencies have lacked a no-code, automated way of testing software after patching. As a result, they test patched applications only to ensure the system doesn't crash on startup – or they don't test at all.



Military organizations need an effective way to test patched applications, validate the functionality of mission-critical software, and reduce their cyber risk. That's the power of [Tricentis Tosca](#). Tricentis Tosca provides a no-code platform to automate and significantly reduce the time, cost, and effort of testing patches. With Tricentis Tosca, defense agencies can streamline end-to-end software testing from the data center to the tactical edge.



It's crucial for applications to be tested after patching to ensure they function properly and remain vulnerability-free.

Post-patch regression testing

Tricentis Tosca validates that applications are fully functional and uncompromised — reducing risks and delays associated with post-patch regression testing:

No-code automation

Facilitates rapid, end-to-end validation of post-patch functionality, without requiring coding expertise

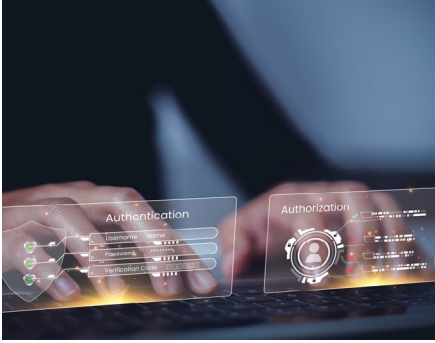
User-centric emulation

Simulates real-world user workflows and interactions, ensuring complete validation

Reusability

Enables the use of model-based test-case design across diverse environments, increasing speed and efficiency

Automation and compliance



With Tricentis Tosca, you can conduct automated software testing to accelerate the release of patched software and remain compliant:

- **Centralized testing:** Allows scheduling and management of multiple tests from a single location, simplifying and streamlining the testing process
- **Automated scenarios:** Enables execution of a wide range of automated test scenarios through an intuitive design and no-code approach
- **Audit readiness:** Maintains logs and supports in-depth reports to enable audits and ensure compliance

Patched application verification



Tricentis Tosca enables you to verify the functionality of patched software to ensure the elimination of vulnerabilities and the functionality of your applications:

- **Model-based test automation:** Builds codeless, resilient tests through a unique model-based approach that maximizes efficiency and reduces maintenance costs
- **Real-time feedback and continuous monitoring:** Provides immediate feedback on patch resilience and supports continuous integration, continuous delivery (CI/CD), and seamlessly integrates into your development workflow
- **Performance and stress testing:** Tricentis Tosca integrates with Tricentis NeoLoad for performance, stress, and scalability testing of everything from microservices to enterprise applications

We're a leader

To ensure the success of its missions, the DoD requires digital systems that deliver military-grade functionality. Tricentis Tosca automates software testing for custom applications produced by military software factories, plus hundreds of enterprise-class commercial off-the-shelf (COTS) solutions. The innovative, no-code platform delivers the testing functionality the DoD needs to ensure application functionality and achieve its mission.



Learn more

Contact sales: publicsector@tricentis.com

Tricentis federal information: Tricentis USA Corp. <https://www.tricentis.com/solutions/public-sector>

About Tricentis

A leader in continuous testing and software quality engineering, Tricentis enables public sector IT modernization and digital transformation through low-code automated testing and risk mitigation for mission-critical applications, processes, and data. Constituents depend on accessible and reliable software to interact with public sector organizations. We build trust in government and education services by enabling the quality release of mission-critical applications, processes, and data, accelerated through testing that is completed in hours instead of weeks.

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