

SURVEY RESULTS



SURVEY: SECURITY IN APPLICATION DEVELOPMENT

FINDINGS: DEVELOPERS TESTING EARLY & OFTEN BUT VULNERABILITIES PERSIST

THE TOOL MAKES THE TEST

Between April 20-21, 2016, Ixia surveyed 363 developers (using the online tool [Instantly](#)) to determine how many of them test their applications during the development process. The survey found that 93 percent of the developers that responded claim that they test their applications early and throughout the development process. The vast majority of respondents believe that security testing is the most critical part of the application development lifecycle.

Even with this, we hear about breaches and hacks on a daily basis. How is this possible? Are developers not using the right tests, or are they not testing their code as intensely as they should be?

While we applaud developers for acknowledging the importance of testing early and often for security vulnerabilities, we believe they are not using the most effective test solutions. About 30 percent of developers say they track their app pass rates, but it is not enough because breaches and hacks keep happening. Developers must test across a wider range of conditions to track every single anomaly in a product's code. Doing this gives you the stability to capture those issues and replay them.

Most respondents are using in-house testing solutions that do not meet industry standards.

Each time a piece of software is updated, developers should re-test the application to make sure that the new features do not create new vulnerabilities.

KEY FINDINGS:

TESTING EARLY & OFTEN

- 87 percent of developers continuously test for security vulnerabilities and track results during the development cycle
- Only 6 percent of developers do not test their applications during the development process
- More than 34 percent of developers test their applications more than six times during the development process
- 93 percent of the developers that responded claim that they test their applications early and throughout the development process.
- 64 percent of respondents produce a go/no-go question report card showing results of pass rates

- 95 percent of developers run at least five security and load tests during the application development process
- 56 percent of developers say that security testing is the most important component of the application development process

VULNERABILITIES PERSIST

- 65 percent of developers shipped product with bugs or had significant vulnerabilities
- 31 percent said the product had significant vulnerabilities that required patching later in the development cycle

WHY?

- 39 percent of developers do not use commercial devtest tools for apps and security (!)

THE FIX:

Choose the right test tool to ensure delivery of a quality product!

ABOUT IXIA

Ixia provides testing, visibility, and security solutions, strengthening applications across physical and virtual networks for enterprises, governments, service providers, and network equipment manufacturers.

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