

What Applications Now Look Like



A TYPICAL \$500+ MILLION ENTERPRISE HAS DEVELOPED MORE THAN

3,079
applications

SOURCE: "2014 STATE OF THE CIO," CIO MAGAZINE

THE AVERAGE ENTERPRISE HAS APPROXIMATELY

600
mission-critical applications

SOURCE: QUOCIRCA

FINANCIAL ORGANIZATIONS TYPICALLY HAVE

800
mission-critical applications

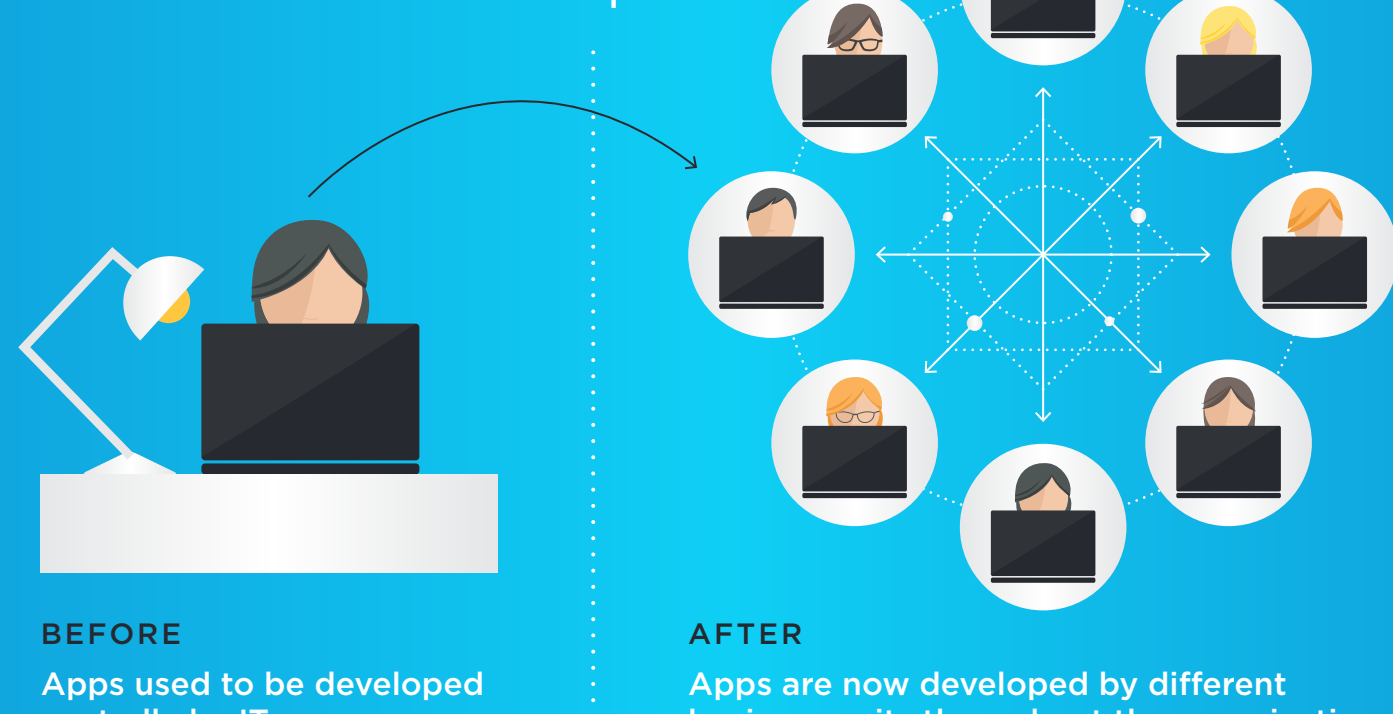
SOURCE: QUOCIRCA

And these applications are different than those produced even just a few years ago. In turn, these differences have significant security implications.

APPLICATIONS TODAY ARE:

NOT developed centrally.

The rise of the business unit developer:



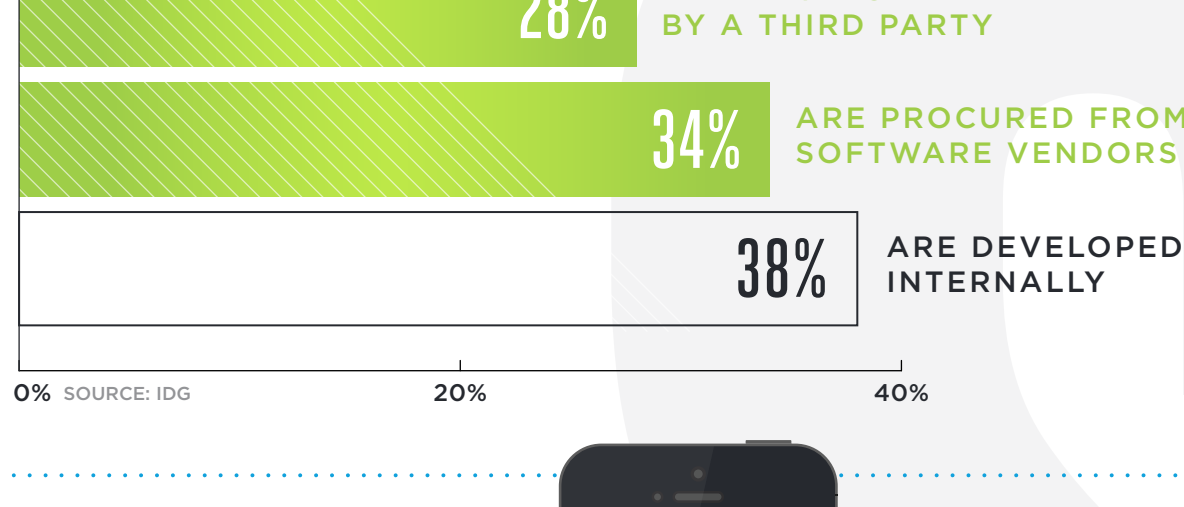
BEFORE
Apps used to be developed centrally by IT

AFTER
Apps are now developed by different business units throughout the organization

This puts pressure on central IT's ability to identify and manage all applications.

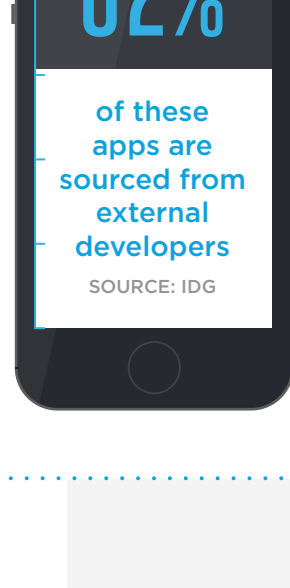
Often BOUGHT rather than developed.

Of enterprise applications:



If the average enterprise has roughly 600 mission-critical applications:

SOURCE: QUOCIRCA

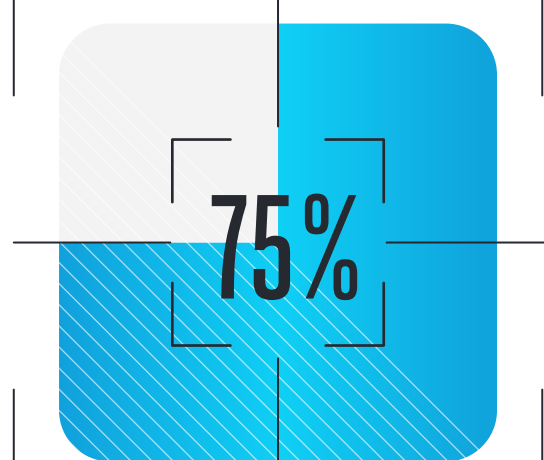


THE AVERAGE ENTERPRISE HAS

372

mission-critical applications with at least some code from external sources

SOURCE: IDG



of third-party applications Veracode scanned in 2015 were not compliant with the OWASP Top 10 policy for security vulnerabilities.

SOURCE: VERACODE 2016 STATE OF SOFTWARE SECURITY REPORT

Contain OPEN SOURCE components.

The applications scanned by Veracode have an average of 46 unique components:

Our recent analysis of a vulnerability in one component, Apache Commons Collection 3.2.1, found that:

WITHIN FIVE GENERATIONS OF SOFTWARE COMPONENTS

80,323

have the ACC V 3.2.1 vulnerability, which, in turn are used in the development of millions of software programs.



SOURCE: VERACODE 2016 STATE OF SOFTWARE SECURITY REPORT

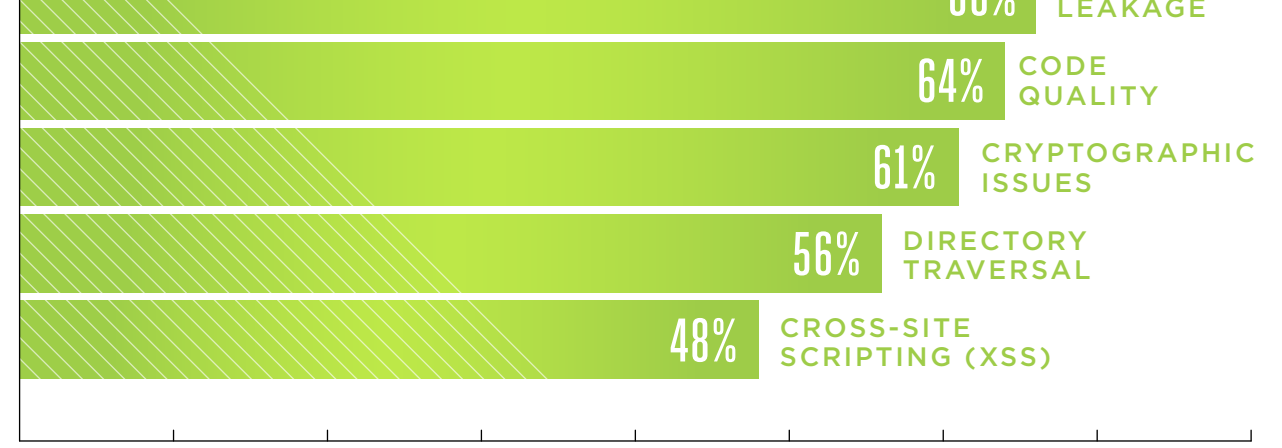
Have differing vulnerabilities depending on LANGUAGE.

Java continues to reign as the most popular programming language. That plays out among our customers as well.

80% of the applications we scanned in 2015 were written in Java or .NET.

TOP 5 .NET VULNERABILITIES

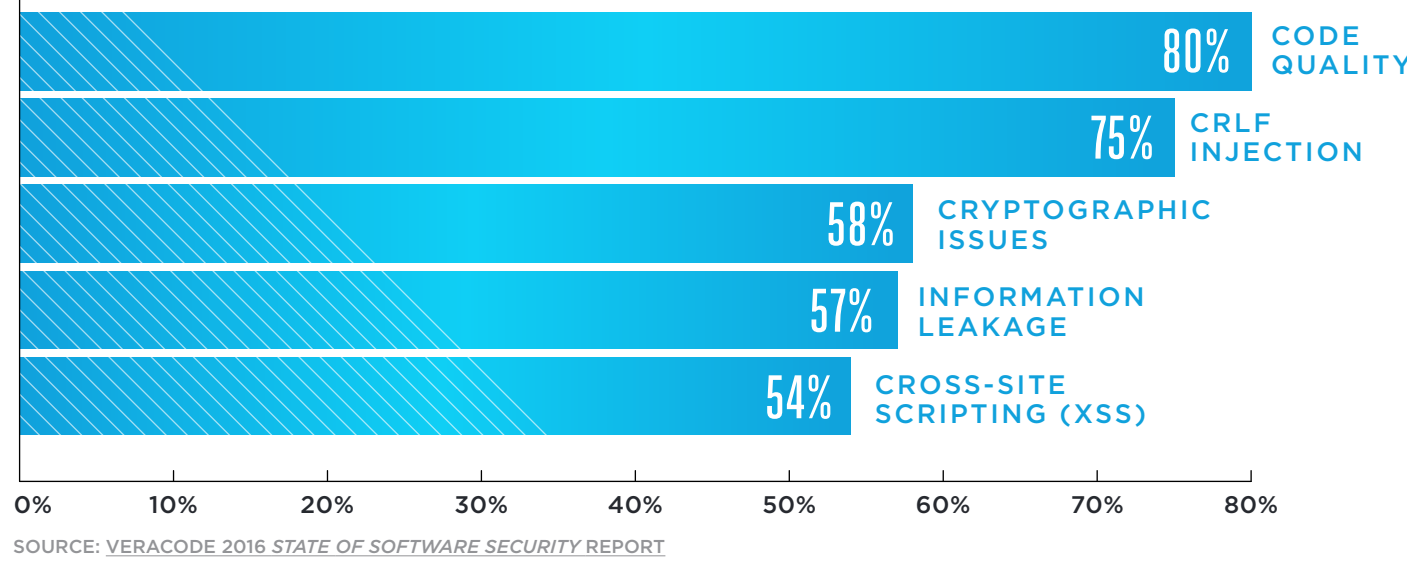
IN APPLICATIONS VERACODE SCANNED IN 2015



SOURCE: VERACODE 2016 STATE OF SOFTWARE SECURITY REPORT

TOP 5 JAVA VULNERABILITIES

IN APPLICATIONS VERACODE SCANNED IN 2015



SOURCE: VERACODE 2016 STATE OF SOFTWARE SECURITY REPORT

How do you secure an application landscape that primarily comes from external sources?

Get tips and advice in our [Third-Party Software Security Toolkit](#)