

Quality Assurance

INFORMATION FOR:

EXECUTIVES DEVELOPERS TECH LEADS ARCHITECTS **QA** SUSTAINMENT BASIS VENDOR MANAGEMENT

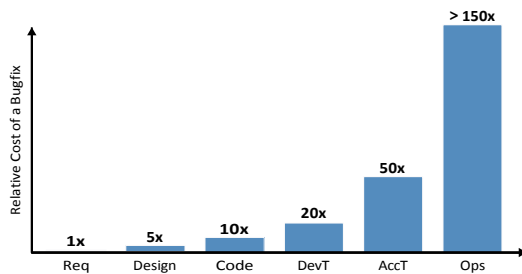
The QA Lead brings a unique set of problem solving and technical skills (not to mention a tireless attention to detail) to the task of overseeing a QA department.

QA Leads must balance an ideal standard of quality with a practical approach given tight timelines and challenging budgets.

After the Development Team Lead gives the thumbs-up, the QA Lead takes over to ensure the product meets functional requirements for the customer.

Testing a complex application is an intense but critical part of the development process. But errors found during testing are expensive to fix, and can result in costly downtime and frustrations that should be minimized.

Finding issues in the software before customers do is rewarding, but tough. Efficient QA Leads will not wait until development is “done” to start testing. As long as it won’t disrupt the team and isn’t too costly, they will move QA upstream, ensuring that coding and unit testing standards are enforced while fresh in Developers’ minds. QA Leads will help projects run smoother by introducing rigor as early as possible by applying coding standards and ensuring Developers test their code.

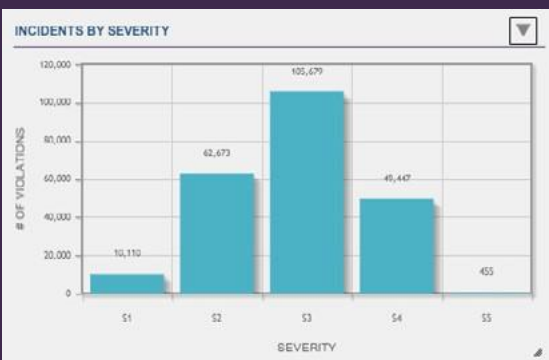
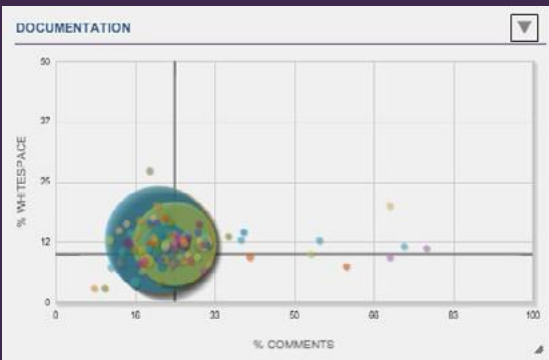
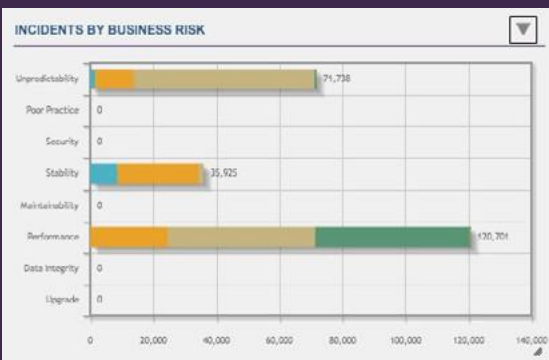
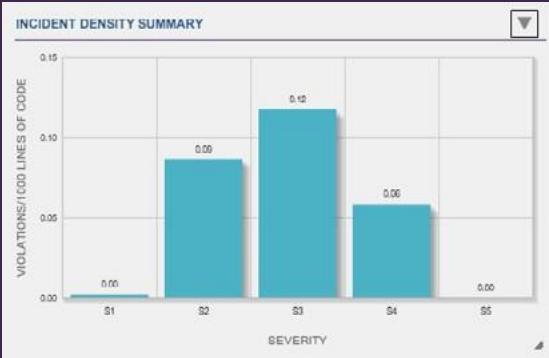


Source: Barry Boehm: "EQUITY Keynote Address", March 19th, 2007

"We just don't want any crap in our QA environment. It causes wasted cycles, frustrations, and expense. Not to mention our reputation takes a hit."

- Senior SAP Director, Financial Systems.

DASHBOARD EXAMPLES



Quality Assurance Needs CodeExcellence

The CodeExcellence suite of products will help Quality Assurance be proactive and methodical. From a governance dashboard providing oversight on all development to Developer aids that help Programmers conform to tough coding rules to smart landscape tools that help eliminate nasty surprises when a transport is released, CodeExcellence products help move quality upstream by introducing rigor and automation in the entire development lifecycle. With CodeExcellence, QA Leads can see exactly what they are getting from when the first code is written, and highlight any deviations from corporate rules before they have to start the testing process. QA Leads can see trends in code quality through Hawkeye Monitor's web-based dashboard, check test coverage tracked with Hawkeye Unit Test Monitor, and ensure builds are truly ready for QA using Hawkeye Transport Control.

Features

- Apply coding rules automatically and consistently across all ABAP code, all the time
- Find and eliminate transport dependencies and errors
- Ensure adequate unit testing before a transport is ready for release
- Implement quality gates to prevent corruption of the environment
- Ensure consistency in the development landscape

Benefits

QUALITY: Overall system stability

COSTS: Lower cost of maintenance and roll-outs

WORKFLOW: Ensure builds are ready for testing before transporting to the QA environment

VISIBILITY: In-depth monitoring and quality control over all Developers, from in-office to offshore, before code arrives in QA

CONSISTENCY: Uniform coding standard across internal / external teams

Feedback

"We were interested in automating our code reviews, and our development teams have been quick to adapt – the more they work with it, the better they become."

- Senior Manager, Global System Integrator

"Tools like CodeExcellence can provide some level of automation and weed out the foolish mistakes so we can focus on more important things in QA."

- Head of QA, Oil Company

"With CodeExcellence, I know exactly what is being transported into our Q environment."

- SAP Tech Lead, Telecom