

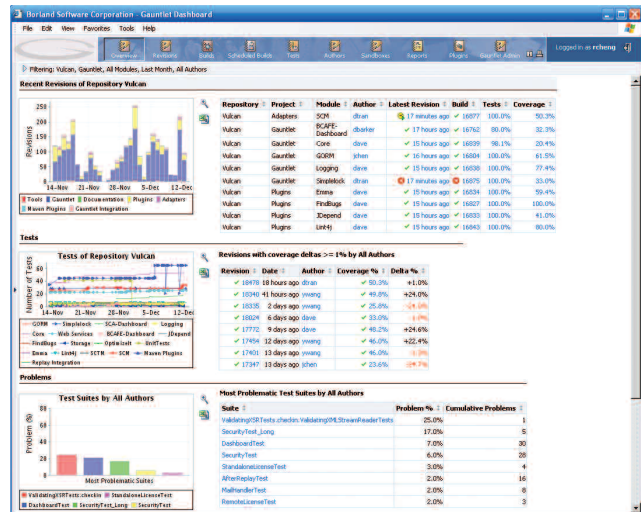


# Borland® Gauntlet™ 2007

Improve software quality and development visibility

Borland® Gauntlet™ improves software quality and development visibility by proactively building and testing code, isolating defects, and reporting on key development metrics. It works transparently with SCM and version control systems to continuously and intelligently measure and analyze changes via static and run-time tests. Only code that passes gating tests and complies with other established policies such as coding conventions, security practices, or license compliance\* is promoted to the main code line. Problematic code is isolated in sandboxes until it can be fixed, eliminating broken builds and preventing defects from impacting other developers. The Gauntlet dashboard provides visibility into quality and productivity trends with metrics such as build performance, test results, code coverage, and developer activity.

\* some of these features based on 3rd party plug-ins



Gauntlet enables "Business Intelligence for Software Development"

## FEATURES AND BENEFITS

### UPSTREAM QUALITY WITH EARLY TESTING

Borland® Gauntlet™ 2007 automatically builds and tests software every time developers check changes into version control, so you can discover and resolve problems early before they grow into big expensive disasters. Automated build validation tests help developers detect regressions and other problems before they get to QA, where they would be much harder to find and fix.

### IMPROVE VISIBILITY WITH FREQUENT MEASUREMENT

By measuring your software at every check-in, Gauntlet gives you greater confidence that you actually know what the state of your software development project really is. And because Gauntlet builds and analyzes changes from different developers separately, it allows you to better understand the performance, contributions, and impact of different teams and individuals.

### IMPROVE PRODUCTIVITY WITH SANDBOXING

By building and testing changes within sandboxes, Gauntlet is able to isolate errors that cause build breakages, so developers can work without interruption. Sandboxing can also enable quality control and enforcement of software development policies at the point of check-in, preventing problematic code from progressing down the software development lifecycle. Note that sandbox support is limited on some SCMs.

### LEVERAGE AN OPEN FRAMEWORK AND GROWING ECOSYSTEM

Gauntlet works with existing SCM and version control systems like CVS, StarTeam, and Subversion, and also includes an open plug-in interface for custom and 3rd party tests, enabling users to automate anything from simple source code analyzers like FindBugs or CheckStyle, to complex security vulnerability detection or license compliance enforcement solutions. Since Gauntlet does all of its work on the server, it's also entirely non-intrusive to the development environment – developers can continue to use their existing SCM clients and favorite IDEs.

# Borland® Gauntlet™ 2007

	CVS	StarTeam	Subversion
<b>SERVER-BASED BUILD AND TEST AUTOMATION</b>			
Continuous building and testing of changes	■	■	■
Scheduled builds	■	■	■
Re-build previous revisions	■	■	■
Invocation of unit tests	■	■	■
Invocation of functional tests (with SilkCentral® Test Manager™)	available	available	available
<b>SANDBOXING</b>			
Defect isolation and code promotion			■
<b>REPORTING AND TRENDING</b>			
Charting and correlation of unit test output	■	■	■
Charting and correlation of code coverage (with Diagnostics option)	option	option	option
Charting and correlation of functional tests (with SilkCentral Test Manager)	available	available	available
Per-developer activity and results analysis	■	■	■
Problematic path correlation	■	■	■
<b>PUBLISHING</b>			
Centralized web access to current and previous builds and distributions	■	■	■
Artifact and report archiving	■	■	■
<b>REPLAY</b>			
Migrate data from existing repository	■	■	■
Continuous replay of existing repository	■	■	■
<b>PLUG-INS</b>			
Open SDK to integrate custom tests	■	■	■
3rd party plug-ins	■	■	■
Open source plug-ins	■	■	■

## SYSTEM REQUIREMENTS

### Hardware Recommendations

Recommended:

- Processor Dual 2+ GHz Pentium® 4
- RAM 2 GB RAM

Note: The build requirements of the applications you develop can create additional hardware requirements.

### Gauntlet Server Disk Space

Disk space requirements for a Gauntlet server vary significantly based on the following:

- Frequency and size of builds
- Amount of source code
- Resources for managed applications
- Frequency of revisions to source code

### Operating Systems

- Microsoft® Windows® XP (32-bit version)
- Microsoft® Windows® 2003 Server (32-bit version)
- RedHat® Linux version 4 (32-bit version)

## ABOUT BORLAND

Borland Software Corporation is the global leader in platform independent solutions for Software Delivery Optimization. The company provides the software and services that align the people, process, and technology required to maximize the business value of software.



[www.borland.com](http://www.borland.com)

Copyright © 2007 Borland Software Corporation. All rights reserved. All Borland brand and product names are service marks, trademarks or registered trademarks of Borland Software Corporation in the United States and other countries. All other marks are the property of their respective owners. 25324