



Improving Software Development Organizations with AccuRev

Executives leading software development organizations are chartered with building world-class teams, maximizing individual productivity, and improving processes in order to deliver high-quality releases on-time and on-budget. AccuRev accelerates this software development process by 30%.

AccuRev Optimizes Software Development Processes

AccuRev improves the software development process by 30% with an innovative and powerful model for managing releases, defects, requirements, and resource allocation. By enabling quality improving processes such as continuous integration, allowing for true concurrent development among engineering, QA and release teams, and by shortening the typical long tail of a release, AccuRev lets development organizations release higher quality software more frequently. We eliminate the need for time consuming, expensive, and error-prone manual processes within the organization. The success of moving to AccuRev is thus measured by the ability of the organization to commit to and deliver on more projects in a given time period without having to increase staffing levels.

AccuRev is Designed for Today's Software Development Challenges

Software development teams face many challenges that are not well-supported by legacy development tools. These challenges are addressed directly by the AccuRev solution, including:

- **Agile Development.** AccuRev enables teams to respond to fast moving requirements, and perform rapid code changes in shorter development cycles, as required by most Agile methodologies.
- **Continuous Integration.** AccuRev enables continuous integration through its innovative architecture and its integrations with all leading build tools.
- **Geographically Distributed Development.** AccuRev provides features to address the performance, security and other issues that arise when software development spans multiple locations.
- **Parallel Development.** AccuRev enables parallel development directly through its innovative architecture and its visual branching and merging tools.

AccuRev Delivers Concrete Benefits

Executives can expect to realize the following benefits as part of retooling their software development processes using AccuRev:

- Facilitate parallel development to improve release efficiency and enable architecture exploration through automated code inheritance and smart branching technology
- Improve control and enforcement of the development process and facilitate process change through a graphical process interface
- Improve communication and collaboration among developers engaged in parallel and geographically distributed development through a graphical interface
- Reduce costs from the elimination of time-consuming processes, especially branching, merging and codeline preservation
- Improve software quality and reduce defect regressions via advanced change management and integrations with leading test and build solutions

AccuRev provides all these benefits by enabling customers to implement quickly their optimal development process without being constrained by their SCM tool.

AccuRev Professional Services Assist in Enterprise Migration

AccuRev provides comprehensive professional services to assist customers in planning and executing the migration to the AccuRev. AccuRev has assisted over 500 companies world-wide with improving their development process by migrating to AccuRev. While each migration varies based on development team size, existing processes and planned new processes, AccuRev has developed a common framework for successful migrations. This 5-step process can generally be accomplished in under 12 weeks, depending on the size of the organization, and the commitment to process change:

1. The Process Evaluation documents the pros and cons of the current development processes and ensures that all stakeholders are involved in process improvement efforts.
2. The Process Recommendations assure that process evaluation results are factored into the migration plan.
3. Security Recommendations identify and document appropriate security considerations.
4. Remote Development Planning assures that local and remote teams can work as if co-located.
5. Enterprise Migration Guidelines document the requirements and lessons learned from workgroup migrations to help guide enterprise-wide AccuRev deployment.

AccuRev Customers Realize Measurable Success

AccuRev customers typically measure deployment success in areas such as improving the development process, freeing developers from time-consuming manual tasks, improving parallel and remote development, and increasing customer satisfaction. Among our customer successes are:

- Kronos chose AccuRev as best suited to optimize their development and build processes for 400 engineers in 4 US and 2 offshore locations
- McAfee saved \$500,000 annually by streamlining their release process using AccuRev
- DriveCam initiated 3 new projects driven by business opportunities using an existing development team made more efficient by AccuRev
- Alaska Airlines saved \$600,000 annually by eliminating manual processes and implementing multi-stage continuous integration

AccuRev Mitigates Development Risks

While technologies have improved and tools have advanced, the top risks within a development organization have changed very little over the last 20 years. AccuRev is focused on developing tools to mitigate these risks, which include:

Risk	AccuRev impact
Meet Market Requirements	Ability to perform fast, short and traceable iterations to increase customer feedback frequency
Quality of Releases	Natural support for parallel development to assure that fixes can be easily ported between releases
Budget	Elimination or reduction of manual processes
On-time Delivery	Process mapping, management and metrics gathering capabilities