AccuRev

Micro Focus® AccuRev® provides the necessary governance and compliance to implement modern development practices at enterprise scale.

Product Overview

Micro Focus AccuRev is designed for large, complex, business critical software development processes. AccuRev's unique architecture removes the constraints of traditional software change and configuration management (SCCM) tools to deliver more features, ship faster, re-prioritize in real-time, and maintain high product quality. AccuRev was conceived with one objective in mind; "Create a simple way to solve complex development problems."

Built from the ground up using a unique stream-based architecture, AccuRev provides world-class business logic coupled with advanced capabilities, such as process modeling and visualization, workflow and automation, issue-based development, and enterprise version control. Users can optimize the power of streams, avoiding the file-based architecture and manual file/version tracking of traditional solutions. AccuRev allows software development organizations to interact with business stakeholders, removing the branching/stream and versioning complexity from the business viewpoint. This allows companies to focus on their development process, without needing to worry about the complexities of managing a file system. With AccuRev, software development organizations can implement their development process based on whatever methodology best fits their business model: Agile, Open Source projects, Continuous Integration and Delivery approaches, or other development processes.

Key Features

Git at Enterprise Scale

Many developers are familiar with Git for version management and perform day to day activities within a Git environment. Unfortunately, the underlying architecture allows commit history to be modified or deleted. Unless exceptionally well managed this creates an unstable environment that can't be trusted, accurately audited or used for compliance purposes.

Many version control tools either don't integrate with Git or have a complex integration that requires excessive configuration to bring the assets together. AccuRev solves this with its native Git Client. The Git Client is 100% seamless and transparent to the end user. With AccuRev as the vault and the single source of truth, DevOps managers, IT Admins and Enterprise Architects have confidence all assets between AccuRev and Git are fully integrated and traceable as part of the delivery process.

Many software companies require a level of process control to support internal or external governance and compliance initiatives. This may be for internal audits or because they are in a regulated sector that requires stringent verification in order to pass internal and external audits. Whatever the reason, AccuRev's Git Client often exceeds the level of governance and compliance required. AccuRev's Time-Safe technology guarantees that history is always persistent and cannot be modified or deleted. With AccuRev data integrity can always be trusted and is never compromised.

Key Benefits

- Designed for large, complex, business critical software development processes
- Unique stream-based architecture provides world-class business logic coupled with advanced capabilities
- Secure repository ensures the history, integrity and auditability of artifacts are never compromised
- Native Git Client provides a seamless and transparent interaction to Git repositories
- Integrated Code Review improves code quality and developer productivity while reducing rework costs
- Change centric tracking allows for significant control in release and sprint planning
- Includes Micro Focus ALM Octane Team Edition for improved levels of collaboration and flexibility

TEAM AND STAKEHOLDER COLLABORATION

DevOps often begins with Continuous Integration and Continuous Delivery (CI/CD) practices. Enterprise DevOps transformations should also include support for Continuous Improvement. Cross team collaboration is a key component. By utilizing AccuRev's native Code Review teams become more efficient with improved collaboration and visibility between teams. The Code Review's built-in workflow ensures processes are followed and not circumvented, with user comments captured in-line, in real-time as part of the workflow. The built-in decorators provide an easy to digest view of findings and vulnerabilities. By utilizing the integrated Code Review, end users can improve code quality and developer productivity while reducing rework costs.

CHANGE MANAGEMENT

Software development organizations frequently struggle with accepting, managing, and tracking change throughout their development process. In part this is because most solutions manage change at the file level whereas AccuRev manages at the change level. AccuRev implements an issue-based development process with code changes directly linked to the issues they resolve. Issues can include stories, defects, requirements, enhancements, tasks, etc. This flexibility allows developers to easily promote all changes by issue and conversely, back out all changes associated with an issue. Issues can be instantly moved between releases and streams that aren't related to each other, allowing for a significant level of control in release and sprint planning. Conversely, solutions that manage artifacts at the file level create chaos when managing change, and more often teams end up dealing with bad merges, missing files, and broken builds.

PROJECT VISIBILITY AND BUILD MANAGEMENT

AccuRev's stream-based architecture provides software organizations with the ability to visually model their development process and fully embrace a stage-based development model. Streams are organized in a hierarchy that takes advantage of the parent-child relationship, making it easy to model the development process based upon the varying levels of code maturity; starting at the developer's private workspace all the way to the production stream and every stage between (integration, continuous integration builds, regression testing, QA, user acceptance testing, etc.). The stream browser graphically displays the development process and more importantly, provides an easy to use drag-and-drop interface for the entire stream structure, providing full visualization, manipulation, and control of the development workflow. Using AccuRev's streams, organizations can easily see the levels of code maturity within the development pipeline as well as where potential bottlenecks to the flow of code exist.

AGILE PROJECT MANAGEMENT

AccuRev also includes Micro Focus ALM Octane Team Edition, and integrates with other 3rd party agile tools, such as CA Agile Central, JIRA and VersionOne, for improved levels of collaboration and flexibility. By combining Agile Project Management, AccuRev depots with agile planning and tracking to deliver unified visibility and management of agile and non-agile assets. Teams can keep their agile assets and tasks connected to the software delivery process. As source code is linked to assets tracked in stories and tasks, developers can easily update assets they're delivering against. As tasks are completed, stories update automatically and move through their lifecycle to expedite application delivery.

System Requirements
www.microfocus.com/documentation/accurev/

Learn more at
www.microfocus.com/en-us/products/accurev/overview

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