AccuRev Enterprise Edition

The Micro Focus® AccuRev application life-cycle solution unleashes the power of software development teams to deliver superior results. Designed for enterprises where software is critical, AccuRev's unique architecture removes constraints and enables teams to deliver more features, ship faster, reprioritize as needed, and sustain high product quality.

Product Overview

AccuRev's application life-cycle solution is built from the ground up on a stream-based architecture. At its core, AccuRev provides all of the functionality of an enterprise version control system—but goes beyond with advanced capabilities that enable workflow and process modeling, and change-based traceability to fully leverage the power of streams.

Key Features

Streams

Streams support the basic branching capabilities of code divergence and merging and also provide much more functionality. Streams define the various configurations of your entire codebase and automatically manage the parent-child relationships with other streams.

Stream Structure

Streams are structured in a hierarchy that takes advantage of the parent-child relationship. This makes it easy to model your development process by level of code maturity within the tool from the developer's private workspace all the way to the production stream and every step between, including integration, continuous integration builds, regression testing, QA, user acceptance testing, etc. AccuRev graphically displays and provides drag-and-drop manipulation of this entire stream structure, allowing for full visualization and control of your development workflow.

Private Workspace Streams

Developers work in their own workspace streams, which act like private sandboxes for development. Developers can 'keep' changes in their workspace, which saves modified files to the AccuRev server, making them publicly visible but not publicly accessible, until they are ready to be shared. When developers want to get the latest changes from the stream they're working on, they simply 'update' their workspaces.

The Flow of Changes

Users 'promote' their changes as they move files higher up the stream structure. Because of the parent-child relationship of streams, promoted files can be automatically 'inherited' by lower streams in the structure, meaning that some merges are performed automatically by the system. If a team working on a feature stream promotes up changes to an integration stream, those changes can be instantly merged down to other teams working on feature streams that are children of that integration stream. This greatly reduces the amount of manual work when integrating changes between all teams.

Flexible Workflow

When there's a situation where a feature or fix is not going to be completed in time for the next release, a simple drag-and-drop operation enables users to 'reparent' streams and workspaces to the subsequent release stream. Conversely, if you need to get a feature or hotfix

Key Benefits

- Developers gain more time to focus on coding.
- AccuRev gathers, manages and integrates test results from test frameworks and tools through open test management
- Features and fixes can get out the door exactly when you need them
- AccuRev easily adapts processes to respond to shifting business priorities
- AccuRev improves and maintains quality at high levels
- Your code is secure and your development is compliant
- You gain a trusted partner committed to ensuring success in your development efforts

out the door quickly, reparenting can easily enable users to base their workspaces on the latest release and promote that crucial issue.
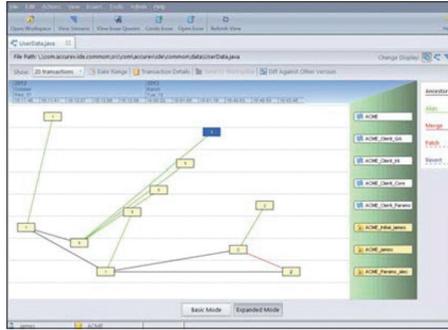
Working at the Change Level

AccuRev change packages directly tie code changes to the issues they resolve. These issues could be stories, defects, enhancements, tasks, etc. This allows developers to both easily promote all changes by issue and conversely, back out all changes associated with an issue. Issues can also be instantly moved between releases and streams that aren't directly related to one another.

Enterprise Version Control

AccuRev provides an advanced version control solution that delivers core version control functionality as well as complex graphical configuration and codeline management. AccuRev's stream-based architecture enables you to safely version in-progress code and store it privately or share it with team members.

- Automated merging with inheritance for trivial merges
- Advanced merge tracking to simplify complex merges
- Innovative history annotation view
- Crosslinks and symbolic links for sharing prebuilt components
- Snapshots for freezing code at any moment in time
- TimeSafe architecture ensures audit trail and compliance

Workflow and Process Modeling

AccuRev makes it easy to model your development process by level of code maturity within the tool from the developer's private workspace, all the way to the production stream and every step between including integration and user acceptance testing, etc.

- StreamBrowser visualization and drag-and-drop control of development process

Figure 1. AccuRev Stream Browser

- Stream filters for tailoring your view or your development process
- Workflows automate and ensure process compliance
- Secure authentication and access control lists (ACLs) for fine-grain security

Change-Based Traceability

AccuRev enables you and your team to truly work at the change level. By tying code changes to defects, requirements, or user stories, it enables you to share only completed issues and the whole team to instantly see all code associated with those issues, providing true change-based traceability.

- Change packages and dependency analysis for change-based development
- AccuWork issue tracking integrated with AccuRev

Conclusion

Micro Focus can help your organization to maximize your software development potential with AccuRev Enterprise Edition. With a wealth of features and fixes, and processes that can be seamlessly adapted to shifting business priorities, this application life-cycle solution gives your developers more time to focus on coding and release high quality, secure applications faster.

To find out how AccuRev Enterprise Edition can help your organization to code more and release faster, visit: **www.borland.com/accurev**

System Requirements

Windows 32-bit
- Windows 7, 8—Client Only
- Server 2008 (SP2 minimum)—Client Only

Windows 64-bit
- Windows 7, 8, 8.1, 10—Server and Client
- Server 2012—Server and Client
- Server 2008 (SP2 min.)—Server and Client

Macintosh x86
- OS X 10.8.x (Mountain Lion)—Client Only
- OS X 10.9 (Mavericks)—Client Only
- OS X 10.10 (Yosemite)—Client Only
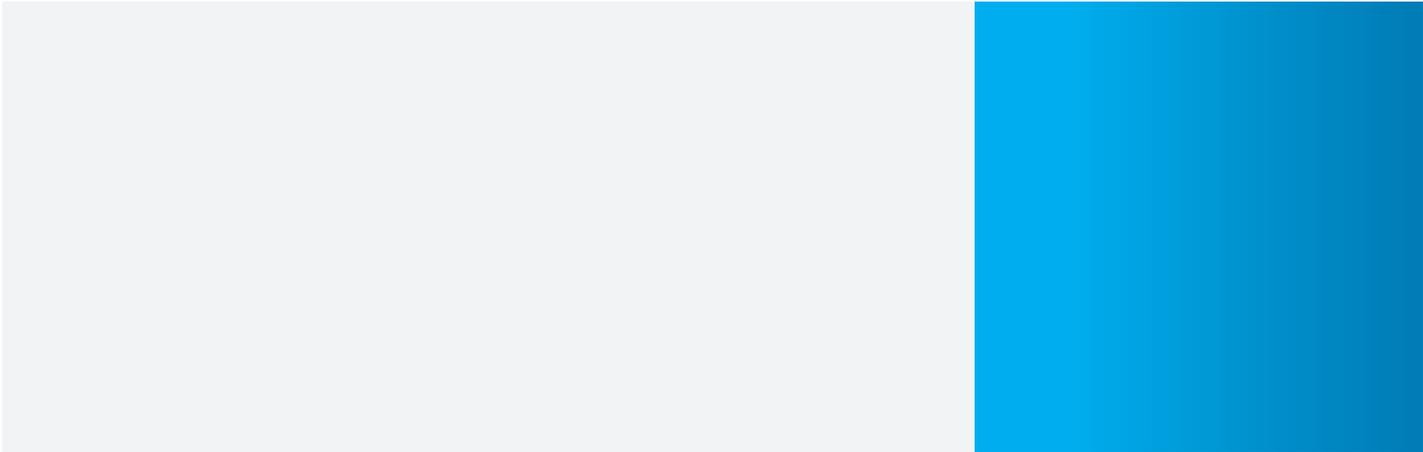- OS X 10.11 (El Capitan)—Client Only

Linux 32-bit
- Red Hat Enterprise 5, 6—Client Only
- SUSE 12+—Client Only
- Fedora Core 19+—Client Only
- Ubuntu 12+—Client Only

Linux 64-bit
- Red Hat Enterprise 5, 6, 7—Server and Client
- SUSE 12+—Server and Client
- Fedora Core 19+—Server and Client
- Ubuntu 12+—Server and Client
- CentOS 6, 7—Server and Client

UNIX
- IBM AIX 6.x and 7.x—Client Only (Command Line Only—No GUI)
- Solaris 10, 11 (Intel 64-bit)—Server and Client

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