

A.C.I.S: AccuRev Continuous Integration Services

The Value of Continuous Integration

Fully automated and reproducible builds that run many times a day allow developers to integrate daily as part of their normal development process, which in turn reduces the integration problems that plague many of today's software development projects.

Shared code in the repository can be updated frequently, with automated build and test runs after each update. Reporting can enhance team communication and heighten awareness of problems earlier in the cycle, which in turn can reduce the number of bugs during development and of course in the resulting product.

Continuous integration is quickly becoming a software development best practice because it enables faster, higher quality iterations and fewer broken builds. Product quality, feature content and ultimately business value delivered to customers are all significantly enhanced.

AccuRev's built-in stream based hierarchical model is ideal for implementing continuous integration, and enables you to:

- Utilize private development workspaces
- Perform local developer builds
- Establish an efficient staging & isolation hierarchy
- Automate builds at all stages in the hierarchy

ACIS Highlights & Deliverables

Training Topics

- Building a CI server (Command line for debugging and as a service)
- Implementing a Dashboard application which displays results of builds
- CI clients running to facilitating easy launch of the Web application and client notification build results
- Creating project elements with
 - Triggers to instruct CI tool on what sort of repository checks to perform and force builds at a pre-determined frequency
 - Directives that tell the CI tool which source code repository to monitor for changes
 - Tasks which describe the specific build tool and build script to be run when changes are detected

Comprehensive Consulting Services add the following:

- Configuring multiple projects handled by the same build server
- Configuring multiple build servers managed by a single web dashboard
- Setting up email notifications
- Automating more complex tasks including compilations, loading schemas into databases, file deployment, etc.
- Configuring to build with or without test code
- Ensuring that developer use of any IDE build management dovetails with the master build process
- Configuring any 3rd party plug-ins which are supported
- Custom reporting requirements

Contact the AccuRev Sales organization today to learn more about how you can harness the power of Continuous Integration with AccuRev!

Monitor CI Stream for Promotes

Dashboard Server : D9G4L2D1 - New Promote - Build Integration/CI Stream

ac_connectfour passed (8 minutes ago)
Build Time: 20 Feb 2009 13:05 GMT -05:00
Duration: 1 minute 1 second
Build: clockwork4_Int_Bld52

Access to past build artifacts

Artifacts
ac_clockwork4.jar

Latest Builds

- 8 minutes ago: clockwork4_Int_Bld52
- 13 minutes ago: clockwork4_Int_Bld50
- about 1 hour ago: build-4
- about 1 hour ago: build-4

AccuRev Promote Transaction(s)

Time	Action	User	Comment
2009/2/20 13:05:26	promote	evalUser1	54 promo player.java
2009/2/20 13:00:05	promote	evalUser1	52 promo tune.java
2009/2/20 11:50:09	promote	evalUser1	50 promo state.java
2009/2/20 11:44:24	promote	evalUser1	48 promo maps.java.fix

Build Label tied to AccuRev Transaction

Build Time: 20 Feb 2009 13:05 GMT -05:00
Build: clockwork4_Int_Bld52

AccuRev Continuous Integration Services - (A.C.I.S.)

AccuRev software, combined with our experienced professional services team will allow you to reap the benefits of continuous integration, whether you are transitioning to Agile processes or not.

AccuRev's seasoned SCM consultants can provide training and implementation services ranging from proof of concepts all the way through customized consulting services tailored specifically to your environment.

Consulting Packages

More advanced environments may require configuring multiple projects, multiple build servers, more detailed email notification, better compilation automation, IDE interface and custom reporting.

If you are just kicking off an AccuRev deployment and need to add continuous integration consulting to an AccuRev services package; or whether you are an existing AccuRev customer with a new focus on build and continuous integration as part of an overall development process improvement, we can help. AccuRev can deliver a combination of onsite and remote services tailored to your environment and requirements.

Customer Experiences

Many AccuRev customers have seen the benefit of continuous integration with AccuRev in both Agile and non-Agile environments.

"AccuRev is the foundation of our Continuous Integration methodology. If you don't have a good SCM system, the rest of the process doesn't work."

Chris Barnes

Senior Systems Analyst and AccuRev Administrator, Alaska Airlines

AccuRev

Contact AccuRev:

AccuRev Inc., 10 Maguire Road, Lexington, MA 02421
Phone: 800-383-8170 | Email: sales@accurev.com | www.accurev.com

© 2011 v4.7 All Rights Reserved. AccuRev, AccuWork, AccuReplica, and AccuBridge are all trademarks or registered trademarks of AccuRev Inc. All other marks are property of their respective owners.