What's new in 4.2 (July 2008)

IKAN ALM offers a secure and flexible process-centric software change management solution for both local and distributed development teams, and manages and automates SOA, Agile and traditional development processes. It complements existing version management tools by automating the complete software life-cycle management process, offering a single point of control and delivering support for your build, deploy, release and software life-cycle management and the associated approval processes. IKAN ALM helps reducing build complexity, solving complex deployment issues and accelerating release cycles.

A tailored life-cycle from development to production, including test and quality assurance, can be implemented, offering a comprehensive framework across all major platforms including Windows, UNIX, Linux and even z/0S mainframe systems.

New functionalities

Issue Tracking integration

SCM4ALL's first version of Issue Tracking integration provides the user the possibility to link issues from their third party Issue Tracking System (like Atlassian JIRA, Trac, BugZilla or other) to an SCM4ALL Level Request. The function can be invoked in any of several ways for a build

- Manually by inputting the issue tracking identifier
- By automatic search for issue tracking identifiers in the VCR commit comments
- Enumeration of solved issues when delivering to Test/Production levels enabling easy generation of Release Notes, and
- Click-through from SCM4ALL to the details of the Issue in the external Issue Tracking System

Support for sequentially handled (Deploy) environments on a Level

SCM4ALL now allows for Deploys to be executed in sequence and/or in parallel on different machines. This makes it easier to split and manage complex deployment tasks that must be executed on different environments, e.g. when updating a database before updating the application server.

Customizable Server/Builder/Deployer processes

It is now possible to customize the different steps in handling the Build or Deploy processes. This allows for even much greater flexibility of the Lifecycle.

Enhanced Transporter Architecture

Improved transporter functionality integration on Global Administration enables more flexible definitions for the FileCopy and SSH Transporters. In addition, a new FTP Transporter now makes it possible to use FTP as a protocol to transport build results.

Tag-based build

SCM4ALL now makes it possible to retrieve sources that have been labeled with a user defined Tag in the head or branch stream for a build action on the Build Level. This is added as an alternative option to the current standard behavior which is to retrieve the latest sources in the head or branch stream.

User interface restyling and optimization

A new look for SCM4ALL ! More usable and better ergonomic design allows users to perform their SCM tasks more quickly.

Enhanced functionalities

- **Dependency optimization:** Based on defined Project dependencies it is now possible to conduct fine-grained Impact Analysis to find which Builds of parent projects are affected by a specific Build of a child project.
- **Optimized partial deploy:** SCM4ALL only transports the changed files to the Agent in a partial deployment environment.
- **Enhanced Reporting:** Reported Level Requests can now be grouped and ordered by Level name or Project name.

Bug fixes

Several small bug fixes and optimizations have also been implemented. Refer to the readme of the installed product for more details.

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