RELEASE HIGHLIGHTS

INTRODUCING COLLABNET TEAMFORGE® 8.1
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TEAMFORGE

TeamForge is the industry’s #1 open platform for application development, delivery, and collaboration. Available as an on-premises or SSAE 16 SOC 1 Type 11 and ISO 27001-certified hosted solution, TeamForge enables leading companies and government agencies to accelerate application development and delivery while maintaining the highest standards of governance, compliance, and IP security.

Meet your unique needs with this open, extensible, and flexible platform. Pick from a broad range of supported commercial and open source tools like JIRA®, Jenkins, Nexus, and HP ALM. Use development methodologies—Agile, Waterfall, or hybrid—as they best fit your business needs. Harness the power of both centralized (Apache™ Subversion®) and distributed (Git) version control systems and connect dispersed and cross-functional teams with cloud-based collaboration options.

Leverage TeamForge to boost enterprise-wide organizational productivity with Agile, Continuous Integration (CI) / Continuous Delivery (CD), and DevOps. Lower costs through an effective and governed adoption of open source tools. Drive development efficiency by enabling the reuse of existing assets, resources, and processes in new projects.

TeamForge provides a complete application development, delivery, and collaboration platform.
TeamForge 8.1 incorporates new features and integrations that reinforce and expand the unique value TeamForge brings to you, specifically:

**TRACEABILITY**
Implement governance, stay in compliance, secure IP, and assure quality

**ENTERPRISE-GRADE VISIBILITY AND TRACEABILITY**
- Contextual tracking and granular associations of related artifacts and activities throughout the application lifecycle
- Visibility across disparate tool chains, multiple personas, and various projects
- New Associations Viewer depicting associations between related artifacts

**AGILITY**
Drive organization-wide development velocity using any software development methodology

**ENTERPRISE-SCALE AGILE EXECUTION WITH BOTH SCRUM AND KANBAN**
- Support for multiple independent Kanban boards within the same project
- Capability for Scrum and Kanban teams to share a common backlog
- TeamForge avatar service

**EXTENSIBILITY**
Enable teams to leverage the best tools for the job without compromising governance and IP security

**BROAD SUPPORT OF THIRD-PARTY TOOLS**
- Comprehensive integration with Atlassian’s JIRA®
  - Enterprise-grade Git and Subversion management for JIRA users
  - Association of JIRA issues with related artifacts and activities across the development lifecycle, such as code commits and CI builds
  - Integration with best-of-breed tools like Jenkins and Nexus while maintaining end-to-end traceability across them
  - All the functionality available within the standard JIRA interface
BEST IN-CLASS ENTERPRISE SCM

- Code browser
  - Support for both Subversion and Git repositories
  - Intuitive user interface to effectively browse code repositories—small or large
  - The ability to drill down on TeamForge context associated with the code
- Powerful enterprise Git features
  - Replication
  - Branch visualization and comparison support
- TeamForge Git integration upgrade to Gerrit 2.10

ADVANCED REPORTING

- New reports covering source-code-related activities and metrics
- Portfolio- and project-level reports and dashboards
- Ability to create custom reports and dashboards
ENTERPRISE-GRADE VISIBILITY AND TRACEABILITY

TeamForge is the only platform on the market that enables end-to-end traceability and granular contextual association of events and activities across disparate tools, distributed teams, and diverse processes. The new TeamForge Associations Viewer visualizes associations between related artifacts and activities throughout the entire application lifecycle.

TeamForge associates third-party artifacts (e.g., JIRA issues) with related downstream artifacts and activities. The Associations Viewer elegantly presents associations and artifact information on one screen.
AGILE EXECUTION AT ENTERPRISE SCALE

BEST-IN-CLASS KANBAN

TeamForge 8.1 adds enterprise-grade Kanban capabilities so you can combine Scrum and Kanban in Agile development projects. Now multiple Scrum and Kanban teams can collaborate on the same project, effectively sharing a common backlog.

![Business Backlog View]

With TeamForge 8.1, you can create multiple Kanban boards within the same project.

- **MULTIPLE VALUE STREAMS**
  Configure several independent Kanban boards to model distinct value streams within the same project.

- **CONVENIENT VIEWING**
  Leverage the collapsible “bookshelf” design to fit more Kanban states on one screen and use carousel scroll to conveniently navigate multiple WIP states.

- **WIP LIMITS**
  Set work-in-progress (WIP) limits for each Kanban state and get a clear visual notification when such limits are exceeded.

- **CHILD CARDS**
  See the total number of child cards for every Kanban card, plus the child cards themselves (if any).

- **TEAMFORGE AVATARS**
  Create a personalized, or use a system-generated, avatar to symbolize yourself across different TeamForge components, including tracker boards and SCM tools.
A BROAD RANGE OF SUPPORTED OPEN SOURCE AND COMMERCIAL TOOLS

COMPREHENSIVE INTEGRATION WITH ATLASSIAN’S JIRA®

An elegant and easy-to-implement integration with JIRA allows you to boost the value of your issue-tracking tool with unrivaled enterprise SCM capabilities, end-to-end contextual traceability, and third-party tool integration. TeamForge uniquely connects JIRA with best-of-breed third-party tools and associates JIRA tasks with related downstream artifacts and activities (such as TeamForge Git or SVN code commits, Jenkins CI builds, and Nexus binaries). The TeamForge Associations Viewer visually presents all associations on the same timeline, providing details for each activity and artifact—all within the JIRA or TeamForge interface.

The integration adds the richness of TeamForge context to the standard JIRA interface.

The chain of associations depicts how requirements become working software and details every activity involved.
BEST-IN-CLASS ENTERPRISE SCM

CODE BROWSER

TeamForge is the only platform on the market to include a common code browser for both Git and Subversion. The code browser allows you to easily navigate any code repository—large or small. It combines an easy-to-use universal interface to browse both Git and SVN repositories with Git- and SVN-specific features to deliver maximum performance. Use it to leverage the TeamForge context to view and drill down on specific activities and artifacts associated with the committed code like code reviews, bug fixes, and CI builds.

The code browser delivers an intuitive user interface with native TeamForge look and feel.

The Associations Viewer enables viewing and drilling down on activities and artifacts associated with the code.

AUTOMATIC README FILE RENDERING

Conveniently view automatically rendered Readme files directly in the code browser window.

ANNOTATIONS

Toggle on annotations to see which line of code was last changed and by whom. Click a commit ID to view full commit details and related associations.

DIFF DISPLAY

Take advantage of color highlighting to quickly zero in on important points of difference between files and easily discern different syntax within the code file.

FEATURES FOR FASTER NAVIGATION

Zoom through history and rapidly browse code changes with Infinite Scroll. Collapse empty folders to make navigation faster—especially for Java projects.
POWERFUL ENTERPRISE GIT FEATURES

GIT REPLICATION

TeamForge Git replication delivers excellent performance even over slow or unreliable networks and uniquely ensures continuous IP protection across the Git infrastructure. TeamForge-enabled pervasive fine-grained access controls get automatically replicated along with repository data. From setting up Git replica servers and cloning a Git repository to monitoring sync operations—the unified, intuitive user interface makes the process smooth and efficient.

TeamForge Git replication reduces server load and improves fetch performance, while protecting IP.

BRANCH VISUALIZATION AND COMPARISON

TeamForge Git branch visualization and comparison facilitate faster feature-branch development.

TeamForge makes it easy to view all branches in a Git repository and see how they “drift” from the master branch and each other.

GERRIT 2.10

Upgrades to the TeamForge Git integration include the new capabilities of Gerrit 2.10. Some of the new key features include avatar support in Gerrit’s Review UI and the capacity to manage all Git repository maintenance tasks directly from Gerrit.
ADVANCED REPORTING CAPABILITIES

NEW SCM AND PORTFOLIO-LEVEL REPORTS

The 8.1 release delivers actionable reporting on SCM-related activities and metrics, as well as project portfolio-level reports and dashboards. The easy-to-use TeamForge API lets you create custom reports covering various activities, artifacts, and associations.

The new SCM reports—depicting build, commit and test activities, commits per user, file changes over time, and other relevant metrics—help monitor project progress and drive adherence to best practices.

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Build and test activity report displays the total number of CI tests performed for each build over a period of time.

Project portfolio-level reports and dashboards let you track progress and compare performance across projects and teams to drive organization-wide predictability and productivity improvements.

Dashboards and cross-project reports summarize activities across multiple projects.

Enhanced with the new features and capabilities—the Associations Viewer, JIRA integration, and new enterprise SCM features and reporting options—TeamForge advances its ability to help organizations accelerate application development and delivery, while adhering to governance, compliance, and IP security standards.
CollabNet is the founder of Apache™ Subversion® and a pioneer in open, agile, and collaborative application development and delivery. Recognized for 12 consecutive years as SD Times 100 “Best in Show” winner in the ALM and Development Tools category, CollabNet offers innovative solutions, provides Agile consulting and training services, and proudly supports more than 10,000 customers and 4 million users in 100 countries. For more information, please visit www.collab.net.