Accelerate Software Delivery at Scale, with Federated ALM and DevOps

TeamForge Overview
CollabNet TeamForge is the industry’s first enterprise platform for federated ALM and DevOps, adopted by leading Global 2000 companies, federal agencies and 500,000 developers worldwide.

TeamForge fosters a flexible, collaborative approach to software development and delivery – providing enterprises with choice over practices and tools, while transforming software delivery into a process that is transparent, predictable, repeatable and cost-effective. Enterprises using TeamForge have achieved 50% improvements in delivery times and reduced costs by 80%, while meeting stringent process compliance mandates.

Available as an on-premises or hosted solution, TeamForge uniquely combines within one platform: agile ALM for distributed development and delivery, enterprise SCM (source code management) with Subversion and Git, integrated collaboration and document management tools, a cross-project community architecture, and visually traceable orchestration across fragmented tools and clouds.

Agile ALM for Distributed Development and Delivery
Agile development is scaling to the enterprise-level, and extending across the software lifecycle – from requirements management to deployment. CollabNet TeamForge provides the integrated platform to manage and automate the software delivery lifecycle, all the way from idea to deployment.
• **Agile and Non-Agile planning**: TeamForge won’t lock you into rigid methodologies. Scrum, Kanban, waterfall or other processes – it’s your choice. TeamForge provides flexible product and release planning across teams and projects. Estimate work and prioritize work items across teams. Conduct release and story planning with adaptive, graphical planning boards.

• **Coding that’s efficient and integrated**: Stay within your favorite IDE, such as Eclipse or Visual Studio or JetBrains® mobile IDE. Access all vital functions from there, such as defects, artifact histories and discussions. Automate code quality with code reviews and pair programming support. Trace code commits across the software lifecycle, and search open source and cross-project libraries with integrated code search.

• **End to end traceability**: Through its ability to establish and track associations throughout the software lifecycle, TeamForge gives teams a complete view of what has happened from initial requirement through any point in time for a release. Understanding those relationships empowers teams to accelerate software delivery such as defect resolution, and identify and resolve lifecycle process bottlenecks.

• **Continuous delivery and application release automation (ARA) at enterprise scale**: Control, standardize and execute build and test activities directly from within TeamForge. Teams can automate workflows and securely delegate tasks within the build process. Easily integrate Jenkins or Hudson using CollabNet certified plugins, or integrate other build tools using TeamForge Connect™. In addition, build and test servers can be elastically provisioned using TeamForge Lab Management functionality. These servers can reside in CloudForge, Amazon EC2 or in your own datacenter.

• **TeamForge Lab Management (add on)**: Reduce infrastructure costs while increasing productivity with elastic provisioning of build and test servers. Geographically distributed teams can reserve physical or virtual systems from a central pool of resources, and rebuild these systems according to IT operations-compliant build, test, and deployment configurations.

• **TeamForge Deploy (add on)**: TeamForge Deploy with Automic enables enterprise-grade DevOps and makes software release a repeatable, automated process. Manage release packages from one central location. Completely integrated with TeamForge, TeamForge Deploy is a flexible, cross-platform solution that automates and coordinates all of the activities involved in application deployment.

• **Desktops and Clients**: TeamForge can be accessed using a wide variety of popular IDEs and clients including: web browsers, Eclipse, Microsoft Visual Studio, Microsoft Outlook, CollabNet GitEye, and mobile clients (iPhone, iPad, iOS, or Android devices).

**Enterprise SCM (source code management) with Subversion and Git**

TeamForge offers the industry’s only platform for combined and secure Git and Subversion usage and management. Create, govern, and configure all of your Git and Subversion repositories from one central web console.

• **Subversion management**: TeamForge lets you manage Apache Subversion at enterprise-scale – secure, compliant and convenient. Also, overcome network (WAN) deficiencies with Subversion replication. Developed by the Subversion founder CollabNet, TeamForge provides the industry’s leading Subversion management platform.

• **Git management**: Realize all the benefits of Git without compromising on governance, security and compliance. Unique to the industry – tamper proof audit compliance, History Protection, and an “undo” button for accidental commits. Gerrit, embedded in TeamForge, will let you manage fine-grained permissions for Git at the branch level.

• **Migrate from IBM Rational ClearCase, Microsoft Visual SourceSafe**: Legacy products slow down innovation, tie up budgets and resources, and repel scarce developer talent. CollabNet has helped enterprises securely migrate off legacy SCM onto TeamForge, and realize 50% improvements in delivery times and 80% cost reduction, while continuing to meet stringent process compliance mandates.

**Enterprise Git with TeamForge**

• Git has arrived in the enterprise. Companies of all sizes want to take advantage of Git’s power and potential.

• Learn why TeamForge is the only Git management solution that provides enterprises the security and governance they need.

• Learn more: www.collab.net/products/teamforge/git-for-the-enterprise
Integrated Collaboration and Document Management Tools

TeamForge provides a platform for DevOps helping to foster cross team collaboration and to promote the standardization and automation of release processes.

- **Collaboration tools**: TeamForge embeds collaboration capabilities into development and delivery processes to streamline DevOps operations. Discussion forums and wikis (with automated versioning) encourage total team involvement, while moderation features manage access and participation.

- **Document management**: TeamForge document management includes workflow for review and approvals, automated versioning and integration with popular office applications, such as Microsoft Office.

- **Reporting and Analysis**: Rich reporting and analysis tools provide real-time visibility into status and trends. Choose from rich pre-packaged reports and dashboards, or build your own quickly based on your specific integrations. Reports and dashboards can be tailored for all stakeholders. TeamForge Orchestrate adds an interactive graphical display for delivery pipeline visibility and root cause analysis of build failures.

Cross-Project Community Architecture

Developing software is an enterprise wide collaborative effort. Teams need to be able to search across repositories to maximize code reuse, and onboard new team members fast to maximize productivity. Executives require cross-project visibility and control. TeamForge addresses these challenges by providing a platform that unifies people, processes and technology.

- **Community architecture**: With TeamForge, enterprises can implement a community architecture that maps their business and technology into collaborative and hierarchical categories, groups and projects. Community architecture acts as a foundation to foster organizational alignment, collaboration, and reuse. It drives standardization across projects, and provides enterprise-wide roll-up planning and reporting.

- **Central access control and permissions management**: TeamForge manages authentication, SSL encryption, role-based access control (RBAC) and granular permissions – across the entire software lifecycle. Secure your IP, and rapidly on-/off-board new project members.

- **Project templates**: TeamForge project templates, based on industry best practices such as Agile, help to get projects started quickly, codify development processes, and enforce governance without imposing artificial boundaries on teams. Templates can be customized to an organization’s unique requirements and workflows.

- **Cross project roll-ups and reporting**: Community architecture lays the foundation for implementing enterprise wide, cross-project and portfolio roll-ups for planning and reporting. Unit conversion functionality lets you plan with any unit, or customize your own. Create highly customized views and reports to track progress in the way that is best for your teams, management and executives.

Orchestration Across Fragmented Tools and Clouds

TeamForge enables enterprises to orchestrate software development and delivery activities across tools, clouds and locations. Leverage and govern your enterprise wide development resources. Integrate your favorite tools, while maintaining visibility and control. Search and discover artifacts, code, discussion and documents, within and across projects.

- **TeamForge Orchestrate (add-on)**: TeamForge Orchestrate extends the value of TeamForge, by acting as control center for delivery pipelines and providing a central hub for team collaboration in the delivery process. It helps teams get the most value out of CI/CD (continuous integration / continuous delivery) processes and improves software delivery cycle times and release quality. TeamForge Orchestrate lets you automatically track artifacts and associations across all stages of the application lifecycle, including: requirements, work items, commits, reviews, tests and builds. Plus, in doing so, it provides a permanent system of record to prove compliance.
TeamForge Orchestrate lets you freely choose the best tools for the job and still maintain visibility between related items – all in one place. Improve productivity and delivery with Activity Streams that include social tagging for linking comments and discussions to builds, commits and more, adding context for teams as they work. An intuitive graphical interface helps to quickly provide drilldown pipeline visibility and root cause analysis of build failures for faster resolution and release.

- **Integrations**: TeamForge natively embeds a number of open source tools, including Git, Subversion, Gerrit and ReviewBoard, as well as commercial partner tools, like Black Duck® Code Sight™. CollabNet also provides a wide variety of certified integrations, like HP Quality Center, Jenkins, Hudson, and more. Custom integrations can be built using the open TeamForge Connect integration framework. TeamForge Connect supports REST based applications, in addition to SOAP.

- **Search and discovery**: Leverage and govern development resources across the enterprise. Search and discover artifacts, code, discussion and documents. Discover and reuse code, with Black Duck Code Sight, integrated into TeamForge global search. Find code snippets and relate back to commits, files and artifacts. Search is securely governed by TeamForge central access control and permissions management ensuring privacy and security.

**Deployment Options**

TeamForge is available as an on-premise or hosted solution. CollabNet CloudForge offers public hosting options or dedicated private hosting of TeamForge in a single tenant environment. CollabNet datacenters are SSAE 16 SOC 1 Type 11 and ISO27001 certified facilities, with SLA support guarantees up to 24x7, 99.9% SLA agreements. SSAE 16 SOC 1 Type 11 is a rigorous standard that supersedes the former SAS-70 standard.

**Training and Consulting**

CollabNet provides an extensive curriculum of on-line and instructor led product training and consulting workshops to help organizations rapidly become self-sufficient on CollabNet products, Git, Agile, and CI/CD processes. Courses for all team members, from developers to executives, are available.

**Service and Support**

CollabNet has been in the business of hosting and supporting on-premise SCM and ALM installations for some of the world’s largest enterprises for over 10 years. We understand enterprise SLA requirements and the need for guaranteed response times and quick issue resolutions, 24/7. Our leading enterprise support plans extend to various hosting options, with 99.9% uptime and 24/7 access to friendly and knowledgeable experts via phone, email or live chat.

**Implementing Enterprise Cloud Development with CollabNet**

As the pioneering leader in ALM solutions, CollabNet offers you a proven, powerful and scalable platform that lets you gain the greatest results in globally distributed enterprise software development. With a reliable, high-performance environment to drive your success, CollabNet’s integrated products meet your toughest development demands without fail.

Learn more at [www.collab.net/teamforge7](http://www.collab.net/teamforge7).

CollabNet® is the creator of Subversion® and a pioneer in cloud-based Application Lifecycle Management (ALM) solutions for collaborative agile software delivery at scale. CollabNet provides industry-leading products plus agile consulting and training services to help organizations of all sizes develop and deploy software faster. CollabNet’s flagship product, TeamForge®, provides customers with an open and extensible collaborative software development and delivery platform to increase collaboration and application release efficiency across larger, distributed teams. TeamForge users also gain better governance with enhanced visibility and traceability across the software development lifecycle. For smaller teams, CollabNet provides CloudForge®, a cloud-hosted version of Subversion, Git and TeamForge, that enables fast project starts on-demand.

CollabNet has been recognized for 10 consecutive years as a SD Times 100 industry innovator and is consistently positioned as a leader within Tier One industry analyst reports, including an Independent Research Firm report on “Application Life Cycle Management Tools.”

*For more information, please visit [www.collab.net](http://www.collab.net)*