



COLLABNET
VERSIONONE

Release Highlights

Introducing TeamForge® 18.1 Release

TEAMFORGE®

IMAGINE. CREATE. DELIVER.

TEAMFORGE



Best of Interop®



Winner for 14 years running (ALM and Development Tools)

2016 Winner (Applications)

2017 Gold Winner (Application Development - Innovations)

An award-winning Application Lifecycle Management (ALM) open platform for collaborative software development, TeamForge helps leading companies and government agencies accelerate traditional software delivery while maintaining the highest standards of governance, compliance, and IP security.



Create high-quality applications at speed with this open, extensible, and flexible platform. Build an integrated application delivery pipeline from best-of-breed commercial and open source tools. Leverage the development methodologies of traditional (waterfall) or hybrid, and version control systems—Git or Subversion—as appropriate for your IT and business needs. Connect cross-functional and distributed teams, helping them effectively collaborate and share expertise, best practices, and code. Drive development efficiency by enabling the reuse of existing assets, resources, and processes in new projects.

RELEASE HIGHLIGHTS

The TeamForge 18.1 release incorporates new features that reinforce and expand the unique value of TeamForge. These updates include heightened security, improved integration support, tracker and document related enhancements, design improvements, and ease of use.

VELOCITY

Drive organization-wide development velocity using any software development methodology

New features include:

- Multiple LDAP support for user authentication
- Webhooks support
- Improved association in Documents
- Planning folder Freeze
- Markdown feature support in Trackers
- Ability to edit artifact comments
- Improved filtering capability in Planning Folder view
- Delivery pipeline view in TeamForge
- Enhanced Associations in Documents
- Enhanced Security
- Co-authors Support
- Gerrit Support for High Availability
- Enhanced Code Reviewer Suggestion
- Enhanced @mention User Suggestion Logic

MULTIPLE LDAP SUPPORT FOR USER AUTHENTICATION

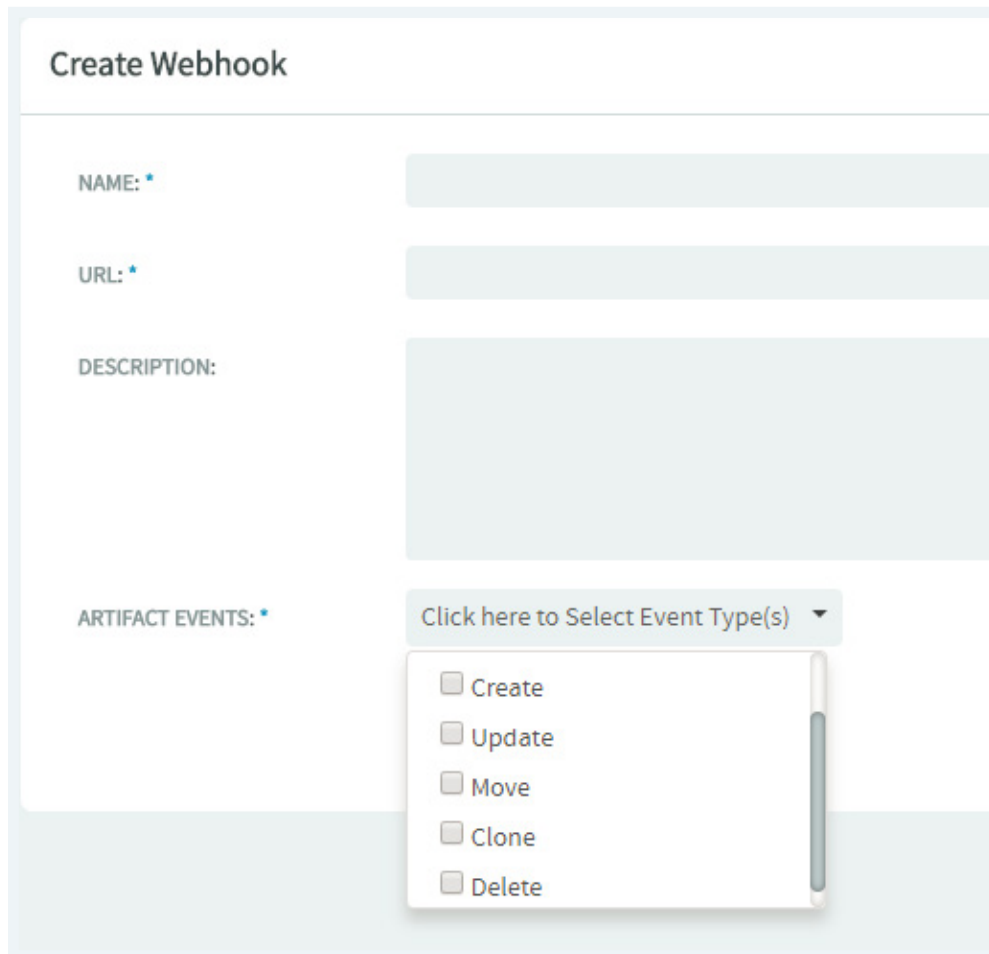
Customers now have an option to use Lightweight Directory Access Protocol (LDAP) for user authentication and end users are not required to have a separate user login/password for access to TeamForge. Administrators can integrate with multiple LDAP directories to streamline the user login process and, hence, support routing of user authentication requests to multiple LDAP servers.

LDAP integration with TeamForge is important because the user information can be consolidated into a central repository. Rather than managing user lists for each group within an organization, LDAP can be used as a central directory accessible from anywhere on the network. And, because LDAP supports Secure Sockets Layer (SSL) and Transport Layer Security (TLS), sensitive data can be protected.

LDAP NAME:	LDAP 3
Specify the LDAP name	
PROVIDER URL:	ldap://cu485.cloud.maa.collab.net:389
Specifies the URL of the service provider to use, e.g. "ldap://hostname:389".	
SECURITY AUTHENTICATION:	SIMPLE
Specifies the authentication mechanism to use.(SIMPLE/ANONYMOUS/SASL)	
SECURITY PRINCIPAL:	
Specifies username of the principal for the authentication, in the form of a LDAP distinguished name, e.g. "uid=admin,ou=system".	
SECURITY CREDENTIALS:	
Specifies password of the principal for the authentication	
BASE DN:	dc=cloud,cc=maa,dc=collab,dc=net
Specifies the Base DN of the service provider	
USERNAME ATTRIBUTE:	uid
Specifies the Username Attribute	
SEARCH TIMEOUT:	10000000
Specifies the search timeout in milliseconds	
SEARCH SCOPE:	SUBTREE_SCOPE
Specifies the Search scope.(SUBTREE_SCOPE/ONELEVEL_SCOPE/OBJECT_SCOPE)	
BASE FILTER:	
Specifies the Search Base filter. e.g. "(&(sAMAccountName=[0]))(objectCategory=account)(objectClass=user)"	

WEBHOOKS SUPPORT

Webhooks is a simple event notification mechanism that communicates via HTTP POST. It is a user-defined HTTP callback and is usually triggered by some event (e.g., artifact update). When the event occurs, TeamForge makes an HTTP request to the URL configured for the webhook. There is no simpler way to allow open-ended integration with arbitrary web services.



Create Webhook

NAME: *

URL: *

DESCRIPTION:

ARTIFACT EVENTS: *

Click here to Select Event Type(s) ▾

- Create
- Update
- Move
- Clone
- Delete

IMPROVED ASSOCIATION IN DOCUMENTS

TeamForge allows users to associate a specific document version to any TeamForge object (e.g., artifact, commit, file release, etc.). Creating an association with a specific version of the document improves traceability.

The screenshot shows a table with the following columns: ACTIVE, VERSION, VERSION COMMENT, REVIEW, CREATED BY, and STATUS. There is also a checkbox for 'Include Deleted Versions' in the top right. The table contains three rows for Version 3, Version 2, and Version 1, all created by 'TeamForge Administrator' on '04/06/2018 7:30 PM IST' and with a status of 'Draft'. A red arrow points to the 'Associate' button located below the table.

ACTIVE	VERSION	VERSION COMMENT	REVIEW	CREATED BY	STATUS
<input type="checkbox"/>	Version 3			TeamForge Administrator - 04/06/2018 7:30 PM IST	Draft
<input checked="" type="checkbox"/>	Version 2			TeamForge Administrator - 04/06/2018 7:30 PM IST	Draft
<input type="checkbox"/>	Version 1			TeamForge Administrator - 04/06/2018 7:30 PM IST	Draft

PLANNING FOLDER FREEZE

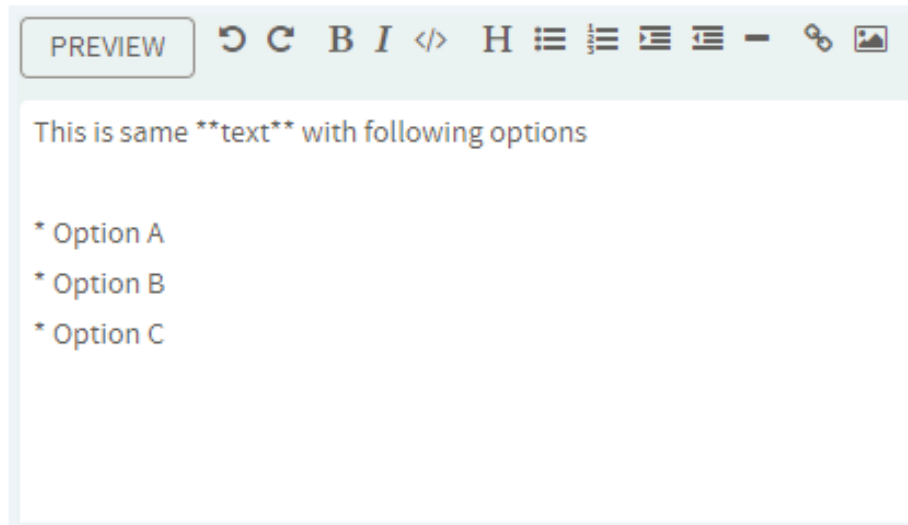
In addition to Active and Inactive statuses for Planning Folders, we now support a new status called "Freeze." Once a planning folder is frozen, the project members will not have the ability to move an artifact into or out of that planning folder, but they will have the ability to update artifacts (e.g., edit artifact, add comments, attach files, etc.) within that planning folder. This prevents project members from adding/removing an artifact from the planning folder that is "frozen." The "Freeze" status provides better control to the planning folder.

The screenshot shows the 'Statuses' configuration page. It includes a warning: 'Rename values with caution. Renaming a value causes all planning folders with the current value to be changed.' Below this is a table with columns: VALUES, ACTIVE/INACTIVE, DEFAULT VALUE, MOVE UP, and MOVE DOWN.

VALUES	ACTIVE/INACTIVE	DEFAULT VALUE	MOVE UP	MOVE DOWN
None		<input checked="" type="radio"/>		
<input type="text" value="Not Started"/>	Inactive ▾	<input type="radio"/>	Move Up	Move Down
<input type="text" value="In progress"/>	Active ▾	<input type="radio"/>	Move Up	Move Down
<input type="text" value="Closed"/>	Freeze ▾	<input type="radio"/>	Move Up	Move Down

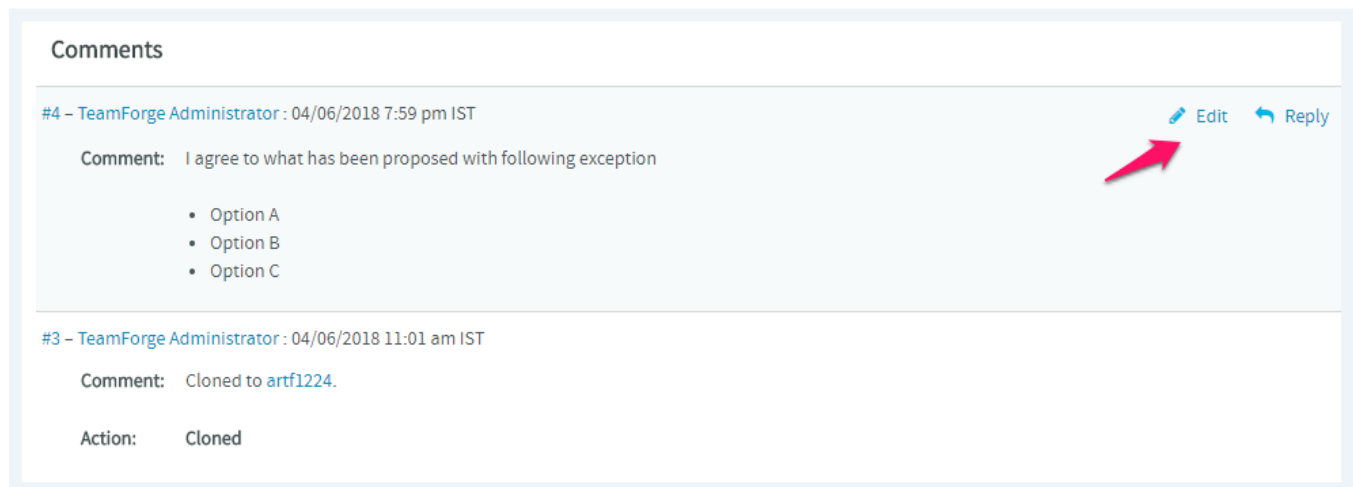
MARKDOWN FEATURE SUPPORT IN TRACKERS

TeamForge provides markdown feature support in Description and Comment fields in Tracker artifacts. Markdown is plain text formatting syntax that enables users to write using an easy-to-read, easy-to-write, plain text format. The key goal is readability—meaning the language can be readable “as is,” without looking like it has been marked up with tags or formatting instructions.



ABILITY TO EDIT ARTIFACT COMMENTS

TeamForge provides an option for users to edit comments that were added to an artifact. If the user made a mistake when adding a comment, he/she will have an option to fix it.



IMPROVED FILTERING CAPABILITY IN PLANNING FOLDER VIEW

Within the planning folder list view, the filtering capability has been extended for the following system defined fields: Status, Group and Categories. This capability helps TeamForge users segment and analyze data, and focus on the artifacts that matter the most to them.

The screenshot shows the 'Iteration 5' planning folder view. At the top, there is a filter button labeled 'FILTER'. Below it, a table lists artifacts with columns for Priority, Artifact ID, Title, Assigned To, Team, Status, and Group. A dropdown menu is open for the 'Filter by' field, showing a search bar and a list of categories: Epics, Stories, Tasks, and Defects.

PRIORITY	ARTIFACT ID	TITLE	ASSIGNED TO	TEAM	STATUS	GROUP
LOW	artf197553	[artf196158] jspwiki's collapsible list feature is not working in ctf	None	Samaritans		
LOW	artf304030	Minor problems with Git history protection delete/resurrect behavior	Stephen Elsemore	SCM		

DELIVERY PIPELINE VIEW IN TEAMFORGE (VIA CONTINUUM™)

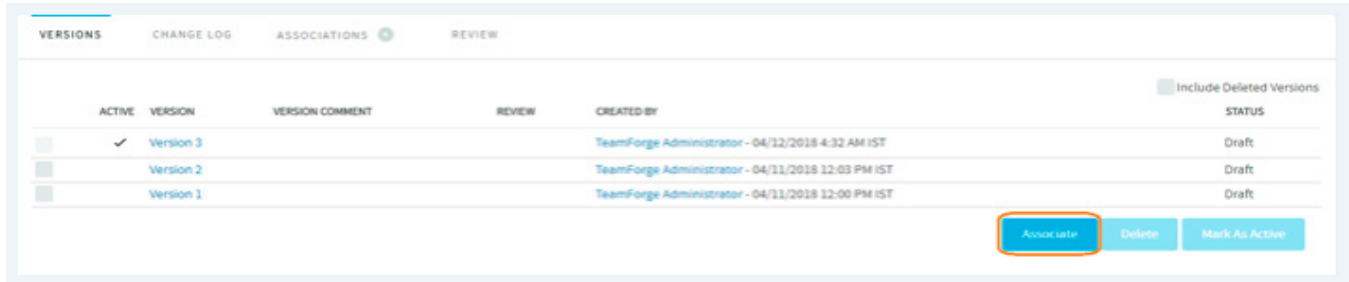
TeamForge users will have ability to see where an artifact exists in the delivery pipeline. This provides improved visibility and traceability on tracker artifacts.

The screenshot shows the 'TeamForge' package delivery pipeline view. The 'DELIVERY INFO' tab is selected. The table shows the following stages:

Build	Testing	Staging	Dogfooding
3/6/18 5:24 PM Revision: 631 (18.1.255)	3/6/18 5:52 PM Revision: 629 (18.1.253)	3/13/18 5:37 PM Revision: 639 (18.1.263)	3/13/18 5:37 PM Revision: 639 (18.1.263) LATEST

ENHANCED ASSOCIATIONS IN DOCUMENTS

TeamForge users can now associate TeamForge objects, such as artifacts and documents, with the desired version of a document. This provides enhanced traceability between any TeamForge object and document object.



ACTIVE	VERSION	VERSION COMMENT	REVIEW	CREATED BY	STATUS
<input checked="" type="checkbox"/>	Version 3			TeamForge Administrator - 04/12/2018 4:32 AM IST	Draft
<input type="checkbox"/>	Version 2			TeamForge Administrator - 04/11/2018 12:03 PM IST	Draft
<input type="checkbox"/>	Version 1			TeamForge Administrator - 04/11/2018 12:00 PM IST	Draft

Include Deleted Versions

Associate Delete Mark As Active

ENHANCED SECURITY

TeamForge is now a more secure application due to addressing Cross-site scripting (XSS) and Cross-Site Request Forgery (CSRF) issues.

CO-AUTHORS SUPPORT

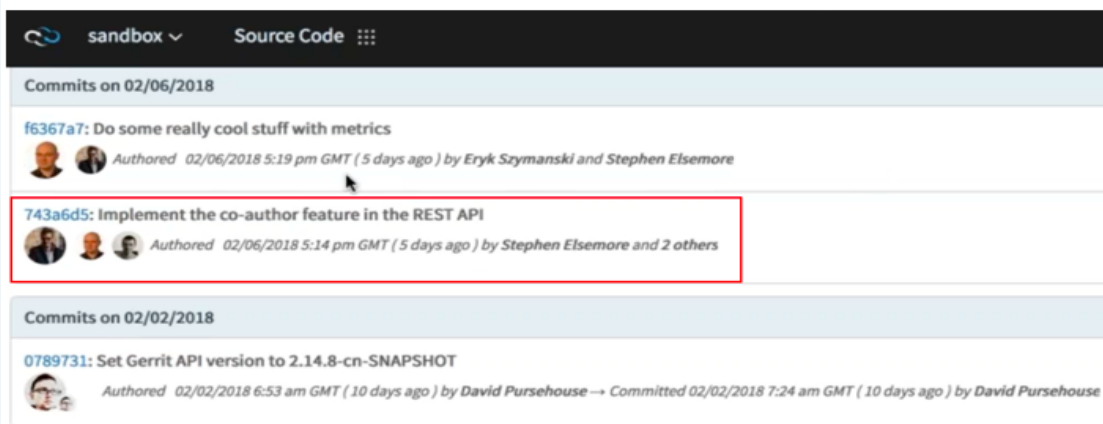
TeamForge SCM now allows attributing code changes to more than one developer. The co-author name is included as part of the author avatar and “Authored by” information on the changes list, whenever a change is done to the “Co-authored-by” footer text. This makes it visible who participated in implementation and is very useful when doing pair-programming.

```
commit 743a6d588f21be71df0073c6a844c2149ef438e2
Author: Steve Elsemore <*hidden*@collab.net>
Date: Tue Feb 6 15:12:01 2018 +0200

Implement the co-author feature in the REST API

Co-authored-by: Eryk Szymanski <*hidden*@collab.net>
Co-authored-by: Jacek Centkowski <*hidden*@collab.net>
```

Add coauthors in the Commit Message



The screenshot shows a web interface for a source code repository. At the top, there's a navigation bar with 'sandbox' and 'Source Code'. Below that, a section titled 'Commits on 02/06/2018' lists two commits. The first commit, 'f6367a7: Do some really cool stuff with metrics', is authored by 'Eryk Szymanski and Stephen Elsemore'. The second commit, '743a6d5: Implement the co-author feature in the REST API', is highlighted with a red box and shows 'Authored 02/06/2018 5:14 pm GMT (5 days ago) by Stephen Elsemore and 2 others'. Below this, another section titled 'Commits on 02/02/2018' shows a commit '0789731: Set Gerrit API version to 2.14.8-cn-SNAPSHOT' authored by 'David Pursehouse'.

List of coauthors

GERRIT SUPPORT FOR HIGH AVAILABILITY

TeamForge SCM now has Active-Passive High Availability (HA) node setup for Gerrit. This increases fault-tolerance, so if one node goes down, another one kicks in without service disruption.

■ ENHANCED CODE REVIEWER SUGGESTION

Whenever a review is opened, the recommended reviewers list is shown immediately when the “Add a New Reviewer” field gets the focus. This automatically suggests reviewers who have recently reviewed user’s changes. This improves usability by eliminating unnecessary steps when adding reviewers.

■ ENHANCED @MENTION USER SUGGESTION LOGIC

The @mentions logic used in the review comments and description fields has been improved to include users who are added as reviewers already.



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ABOUT COLLABNET

CollabNet VersionOne is a global software and services company that allows leading enterprises and government organizations to deliver high-quality software at speed. With our platform and services, our customers develop and deploy cutting-edge applications by empowering their teams to scale enterprise-wide agility and DevOps across their software development lifecycle. With CollabNet VersionOne, teams can work together to envision, build and deliver great software with confidence. Visit www.collab.net.

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