Teamwork Cloud

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Introduction

Teamwork Cloud is No Magic's next generation repository for collaborative development and version model storage. It is envisioned and architected to provide significant future improvements in the areas of model-governance, model analysis and integration with third-party tools. As the name suggest, this server is Cloud-ready, that can be deployed on a local hardware (VM) or on a Cloud.

Among the major new features are Element-level versioning and Role Based Access Control that enables efficient management of users' access rights across the enterprise. Because distributed systems can be challenging to administer, we have built a convenient web-based administrative interface. This provides a single way to manage user accounts, access control, LDAP integration, secured connection, and project configuration.

Teamwork Cloud is designed from the ground up to support working with large models. The efficient delta-based protocol is used when users commit and retrieve updates to a model saving time for users who access the repository through poor network connections. Likewise, as the amount of data that is transmitted depends only on the size of a change being made, users who work on this server will find it easy to exchange data with team members directly. Teamwork Cloud provides a central repository for storing any type of Cameo and MagicDraw models. Keeping data in Teamwork Cloud, team members can read and modify the same model or even the same diagram at the same time.

Teamwork Cloud Advantages Versus Teamwork Server

FEATURE	TEAMWORK SERVER	TEAMWORK CLOUD
Repository type	File-based	Distributed DB
Permission System	Individual Permissions	Role-Based Access Control
Package-level Permissions	-	+
Server Administration	via admin console, requires Administrator user only	via web, any user with special permissions
Authentication	Native and LDAP	Native, LDAP, or SAML 2.0
High Availability	-	+
Scalability	-	+ Delta-based protocol, Scales to multi-node Cluster
Performance in slow networks	-	+ Performance chart available
Delta commits/updates	-	+ Only delta is transferred during commit/update
Element History Comparer	-	+ (via MagicDraw)
Local Changes Browser	-	+ (via MagicDraw)
Suspect Links	-	+ (via MagicDraw)
Server API	-	+ (via Client API)
REST API	-	+
OSLC	-	Coming soon

Teamwork Cloud Performance Versus Teamwork Server

Performance in local network (LAN)
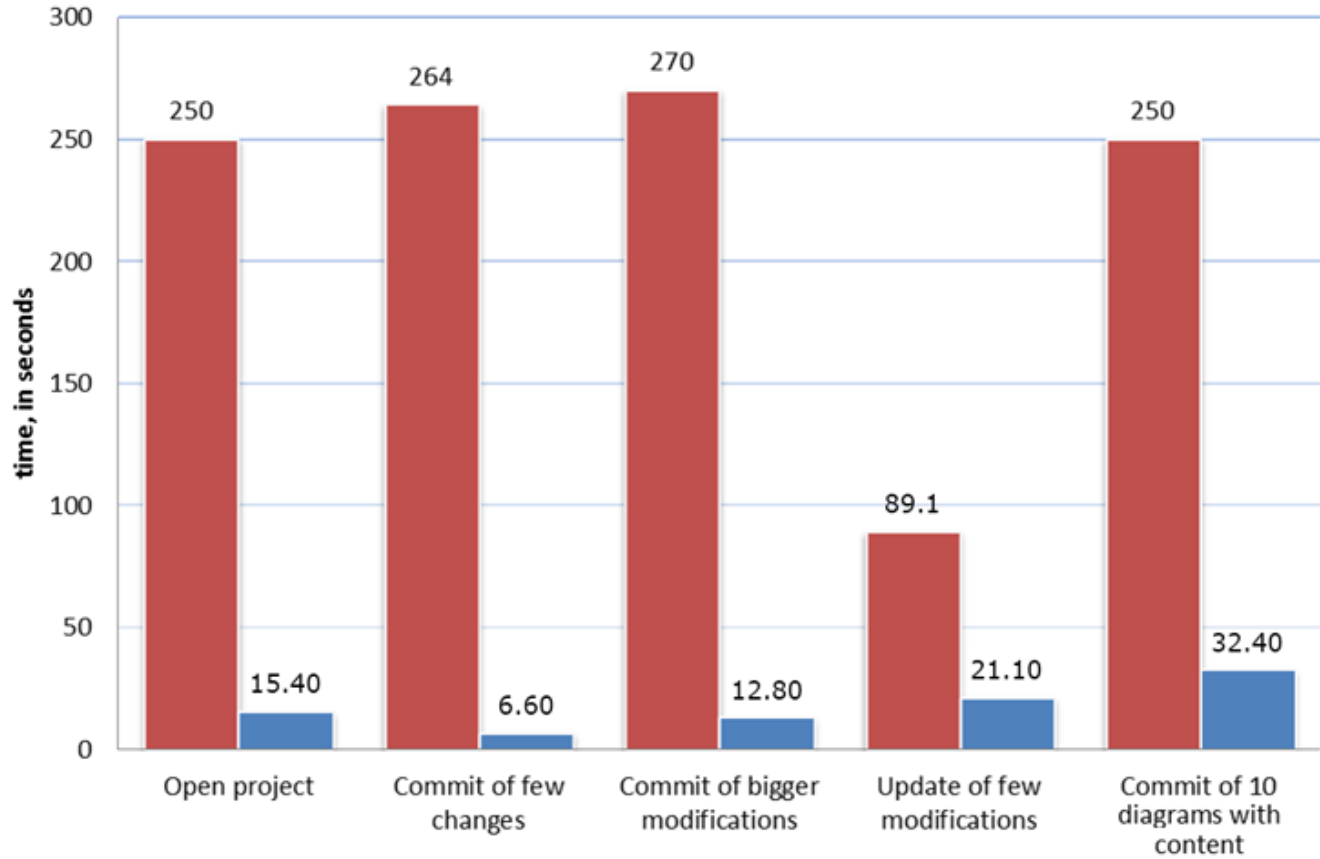
(Medium-sized Requirements model)
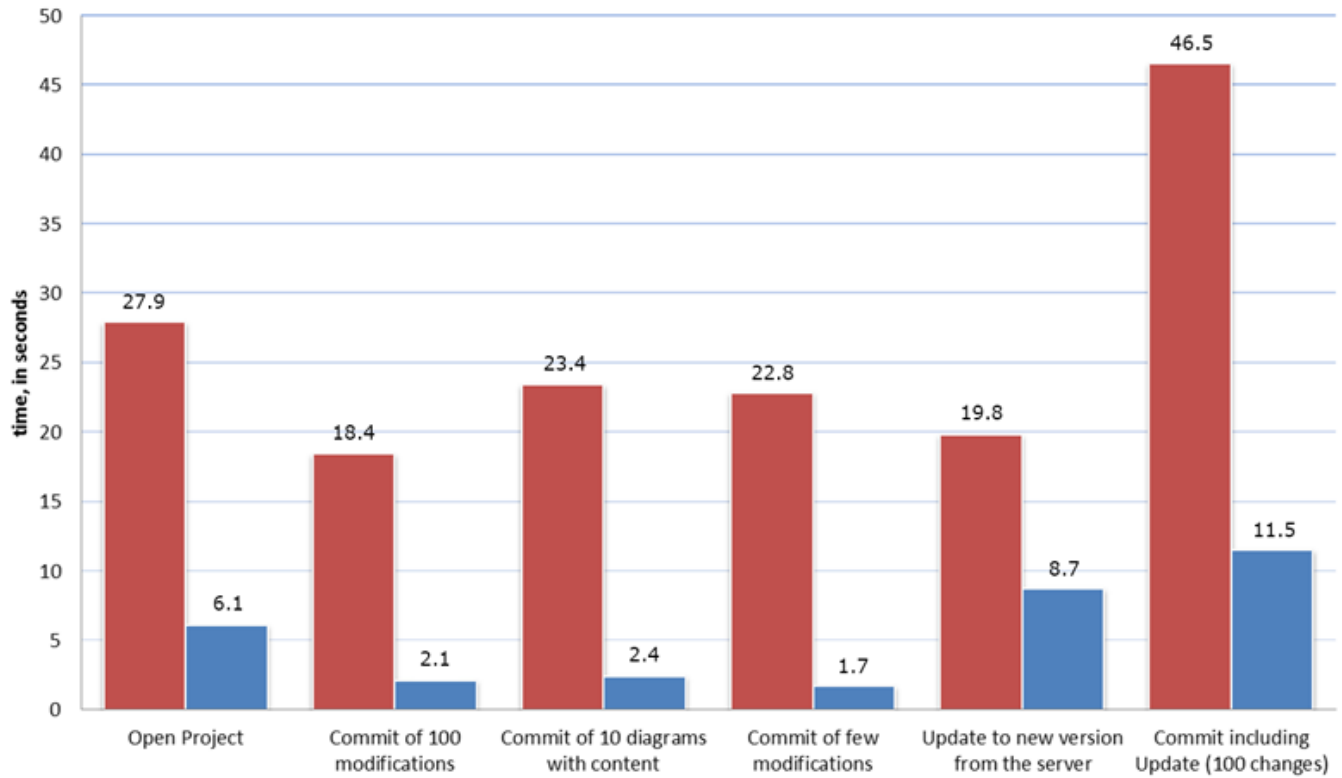
Teamwork Cloud significantly outperforms Teamwork Server on a local network,

allowing companies to create larger projects without sacrificing performance due to project size.
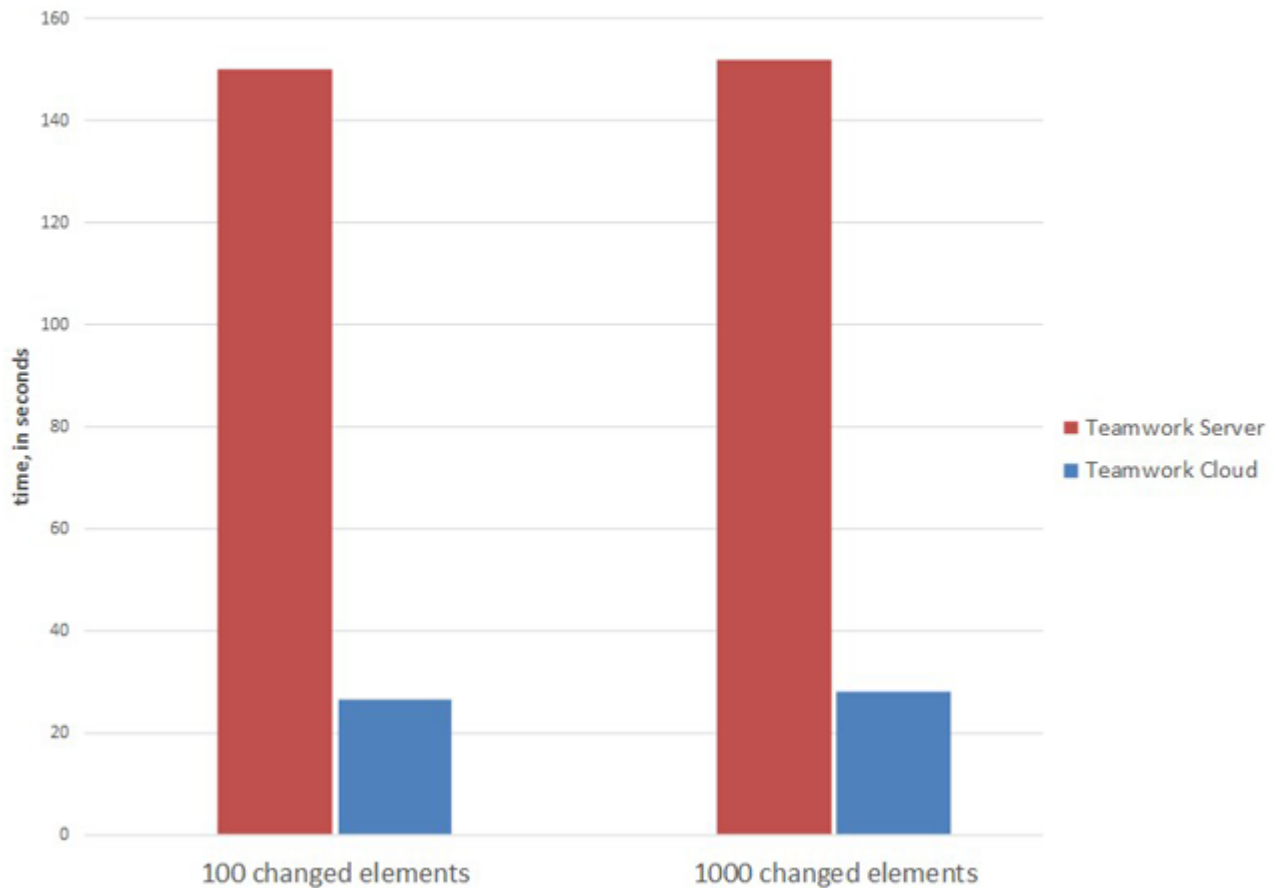
Performance in slow networks (WAN)

(Medium-sized Requirements model)

Teamwork Cloud also has performance advantages in slow networks.

Merge Performance
(Medium-sized Architecture model)

Teamwork Cloud also has performance advantages for Merge operation.

Key Features

Centralized Model Management
All data is stored in a modern repository, and provides clear insight into model availability and visibility.

Efficient Team Collaboration
Teamwork Cloud supports collaborative modeling and versioning of models created using MagicDraw or Cameo products. Team may access and modify the same model or even the same diagram in parallel.

Element-level versioning
Teamwork Cloud supports versioning of models. Models can be developed in multiple development branches. Various comparing utilities available to inspect changes: suspect links, local changes, upcoming changes, content changes and many more!

Rich Access Control & Data Security
Role Based Access Control enables efficient management of users' access rights across the enterprise.
Additionally, Teamwork Cloud supports package-level permissions and password protection for projects.

Multiple Ways to Authenticate
Teamwork Cloud supports native, LDAP, or SAML based authentication.

Performance in Slow Networks
Efficient delta-based protocol is used when users commit and retrieve updates to a model saving time for users who access the repository through poor network connections or work on big models.

Scalability
Big projects? No problem. Teamwork Cloud can handle model containing millions of elements.

Web Admin
Teamwork Cloud provides a single way to manage user accounts, access control, authentication, security, and project configuration. You can also review recent activity of you projects via project dashboard. And everything can be done via mobile device too.

Offline Mode
Want to edit your model without connection to the server? Teamwork Cloud support offline editing of the model and allows to save changes to the server once you get back online.

High Availability Cluster
Clustered server can be reliably utilized to minimize the Teamwork Cloud down-time.

Overview

Teamwork Cloud is a central repository for storing Cameo and MagicDraw models. It is designed from the ground up as a modeling platform for working with large models and include number of features for accelerating team collaboration.

Using Teamwork Cloud, team members can access and modify the same model or even the same diagram in parallel. The product supports data & change management, seamless project collaboration and a scalable performance.

Server and projects configuration can be managed and reviewed through the Web Admin, which allows administration of projects with minimal technical knowledge and effort.
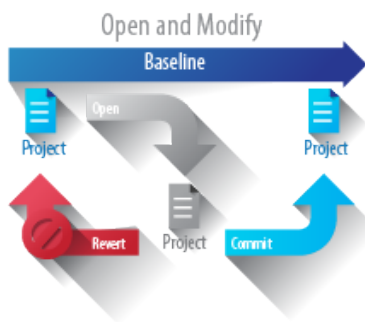
Accelerate Team Collaboration

Data & Change Management
Teamwork Cloud provides state-of-the-art version control for your model artifacts at the element level. It supports teams doing parallel modeling and has many powerful features such as simultaneous commits, updates and element locking policies for avoiding parallel modeling conflicts.

Managed Projects & Collaboration
Teamwork Cloud supports teams doing parallel modeling and has many powerful features such as simultaneous commits, updates and element locking policies for avoiding parallel modeling conflicts. Every user may instantly obtain the newest version of the model.
Get designs done faster with an intuitive collaboration capabilities!

Available Offline
Project now can be modified without having connection to the server. Just make project Available Offline and you will have access to the data anywhere. All changes later one can be saved to the server with a single click.

Track & Review Changes
Tracking changes and reviewing them visually is made easy for every project element. Different views can highlight changes made to an element, to a diagram or to selected scope. It also provides advanced reporting to maintain those crucial records of a change.
Since all data is related as a big traceable map, Teamwork Cloud can track specific changes of elements and highlight customized suspects.

Scalable Performance
Millions of elements? No problem. Teamwork Cloud uses efficient delta-based protocol thus big projects or slow networks will not result in poor performance. Plus, you can transform server into a cluster to distribute the load.

High Availability
Now it is possible to reduce server down-time to the minimum with a clustered environment.

Administer Remotely

All configurations of Teamwork Cloud can be managed through the web administrative site, which lets granted user administrate server, users and projects with minimal technical knowledge and effort. You can:

- Configure server communication security (SSL) and user authentication
- Manage users and access rights
- Manage projects and categories, and release locked elements

Keep Your Data Protected

Teamwork Cloud comes with a full set of security capabilities, guaranteeing secure communication and protection for your confidential data. Team have certainty that they are keeping their data in the right place, with access granted to only the right people.

User Authentication
You can choose to use built-in, LDAP, or SAML based authentication.

Secured Connection
Teamwork Cloud supports secure socket layer (SSL) connections. This ensures your data remains secure as it is transmitted between clients and the server.

Access Control
Teamwork Cloud supports Role-Based Access Control (RBAC) to protect the access to your data. Additionally, package-level permissions can be used to protect data at a granular level.

Password Protection
You can make projects even more private by setting password protection to a project. This will require knowing a password and having sufficient access rights to open and modify the project.

Access Reports
Want to know how can access your projects and when this permission was granted? This can be achieved by generating access audit reports for ever server project.

Integrations, Extensions and Automations Made Easy

Teamwork Cloud supports multiple interfaces for accessing its data. This allows to extend its capabilities by creating plugins, making integration with external systems or accessing data for analysis purposes.

Client API
Teamwork Cloud has java based Client API for accessing its data for native applications

RESTful API
Teamwork Cloud also provides REST API for writing web plugins. This allows to extend Teamwork Cloud functionality by installing your applications into Teamwork Cloud environment.

Command Line Interface
For various automation purposes, Teamwork Cloud supports Command Line Interface (CLI). This allows to automate regular security, audit or other procedures.

Open Services for Lifecycle Collaboration (OSLC)
Teamwork Cloud is continue introducing more ways for integrations with other tools using OSLC.

Web Collaboration
Teamwork Cloud functionality can be extended by installing Cameo Collaborator. Cameo Collaborator is a web-based product designed to present models in a simplified form for stakeholders, sponsors, customers, and engineering teams. The product makes it easy for users to comment and review models in a transparent, collaborative environment — keeping the entire project team up to date on any changes made to the model.
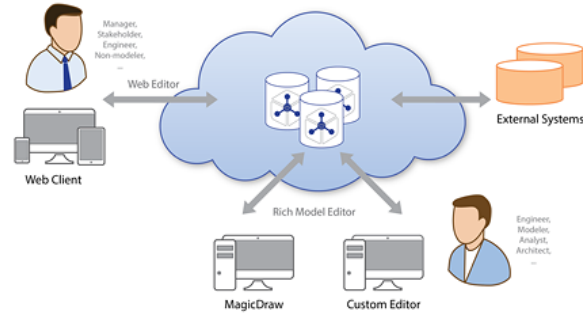
Editions

	STANDARD	BUSINESS	BUSINESS PRO	ENTERPRISE
Concurrent Connections	10	25+	Unlimited	Unlimited
Configuration	Single-node server	Single-node server	Single node server can be expanded to Cassandra Cluster	Unlimited
Data Replication	-	-	Automatic	Automatic
High Availability	-	-	-	+

Requirements

Please refer to System requirements for Teamwork Cloud system requirements.