

Installing Web Application Platform manually

The content of this chapter is intended for system administrators. Here, you can learn how to install and configure Web Application Platform and its services without using the installer file.

Web Application Platform with its services can run on the following third-party web servers like:

- Apache Tomcat
- GlassFish
- WildFly
- Eclipse Jetty

Installation prerequisites and other important information

Before installing Web Application Platform with services, you need to:

- Have a working instance of Teamwork Cloud.
- For deployment on Linux, increase the open file limit for the OS (or for Web Application Platform/Tomcat) to a minimum of 20 000 files.
- Have access to the KeyStore file with the same certificate that is used in Teamwork Cloud for authentication configuration.

To install the Web Application Platform

1. Download the *WebAppPlatform_<version number>_<operating system>_no-install.zip* file, which includes the following web applications you intend to install:
 - *admin.war* - The service for managing Teamwork Cloud users, roles, and resource assignments.
 - *documentexporter.war* - The service for managing Teamwork Cloud documents.
 - *collaborator.war* - The service for managing Teamwork Cloud collaborators.
 - *resources.war* - The service for managing Teamwork Cloud resources.
 - *data.war* - The service for managing Teamwork Cloud data.
 - *oslc.war* - The service for managing Teamwork Cloud OSLC.
2. Download and extract the *WebAppPlatform_<version number>_<operating system>_no-install.zip* file.
3. Open for editing the *<no-install_root>/CATIANoMagicServices/WebAppPlatform/shared/conf/webappplatform.properties* file, read the comments with property descriptions inside the file, and specify the following:
 - *collaborator.war* - The service allowing users to review, edit, and collaborate on Cameo Collaborator documents.
 - *documentexporter.war* - The service allowing users to export Cameo Collaborator documents to PDF and HTML.
 - *oslc.war* - The service allowing users to browse the model through OSLC.
 - *Platform service discovery-related properties*
4. If you want to install the Authentication Server (Authentication Server is installed by default), edit the *<no-install_root>/CATIANoMagicServices/WebAppPlatform/shared/conf/authserver.properties* file, read the comments with property descriptions, and specify the following:
 - *Data source properties*
 - *resource-usage-map.war* - The service with live visual graph capabilities representing Teamwork Cloud resource usages and identifying potential problem areas.
5. Place the following files into the location that is on the classpath of the web server you have installed:
 - *<no-install_root>/CATIANoMagicServices/WebAppPlatform/shared/conf/webappplatform.properties* file (if you plan to install the Authentication Server (authentication.war)).
 - *<no-install_root>/CATIANoMagicServices/WebAppPlatform/shared/conf/data* directory containing email notifications and document exporter templates (if you plan to install Cameo Collaborator for Teamwork Cloud (*collaborator.war*) and/or document exporter (*document-exporter.war*)).

Before starting the installation, you should know the following:

- We recommend that you have installed Apache Tomcat 10.1 or a later version, you can choose from the following options (refer to server documentation for all available options):
- Before installing Web Application Platform, you should have installed Apache Tomcat 10.1 or a later version, you can choose from the following options (refer to server documentation for all available options):

6. Deploy the desired web applications, e.g., *webapp.war*, *admin.war*, *collaborator.war*, *resources.war*, etc.
7. Open a web browser and navigate to *http(s)://<domain_name>:<port>/webapp*. You will need this data during installation.
8. When the installation is finished, update the *authentication.redirect.uri.whitelist* property in the *authserver.properties* file by adding the Web Application Platform address (*http(s)://<domain_name>:<port>/webapp*) as its value, *shared.loader= <tomcat_home>/conf/catalina.properties*.

- Place the *webappplatform.properties* file in a custom directory. Add the path to the directory to the list of shared classloader

Once Web Application Platform with plugins is installed, access it by opening a web browser and navigating to *http(s)://<domain_name>:<port>/webapp*. paths defined by the "shared.loader" property in the *\$(tomcat.home)/conf/catalina.properties* file.

Starting Web Application Platform manually

If you want to start Web Application Platform, start Zookeeper first and only then - Web Application Platform.