

Using no-installer

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- [Specifying JRE_HOME and CATALINA_HOME_WEBAPP variables](#)

Here you can learn how to run Web Application Platform with its plugins by using the no-installer package.



Prerequisites

To run the Web Application Platform with plugins:

- You must have a working instance of [Teamwork Cloud](#).
- If you intend to install the Cameo Collaborator for Teamwork Cloud application, make sure that the [FlexNet license server](#) is installed beforehand.

To run Web Application Platform by using the no-install package

- You have to download the `Web_App_Platform_<version number>_noinstall.zip` file.

1. Extract the `Web_App_Platform_<version number>_noinstall.zip` file

Before starting the installation, you should know the following:

2. Go to the `<Web_App_Platform_no-installer_directory>/shared/conf` directory.

3. Open the `webappplatform.properties` file. The content of the file is shown below.

```
# Web Application Platform and Teamwork Cloud should be installed on different machines.

# Before installing Web Application Platform, make sure you know Teamwork Cloud, Authentication server, and FLEXnet server data, such as
# General properties
# the hostname (or IP address) and port. You will need to enter this data during installation.

# After installing Web Application Platform, it is recommended to disable the web container (e.g., Apache Tomcat) on the machine where
install.root=.
Teamwork Cloud is installed.

#
# Web application platform properties
#

# Specify the guest user name and password.
wap.guest.username=Guest
wap.guest.password=Guest

#
# Authentication server properties
#

# Specify the Authentication server location.
# Use http or https depending on the Authentication server setup.
authentication.server.uri=https://127.0.0.1:8555/authentication

# Specify an optional redirect uri if the incoming request does not provide one.
# By default redirect uri is the authentication server location. Remove # for the property to work.
#authentication.redirect.uri=http://127.0.0.1/webapp/

# Optional value.
# Specify a unique platform ID. The default value is webApplicationPlatform
authentication.client.id=webApplicationPlatform

# Optional value.
# Specify a unique ID that will be used in the remote repository management functionality
authentication.remote.client.id=twcSynchronizationManager

# Optional value.
# Specify the authentication client password that platform will use to secure communication with the
Authentication server.
# The default value is CHANGE_ME
authentication.client.secret=CHANGE_ME

# Set to true to ignore Authentication server certificate validation. Otherwise, set to false.
# The value depends on the Authentication server setup.
authentication.server.ignore.certificate=true

#
# Teamwork Cloud server properties
#
```

```

# Specify the Teamwork Cloud administrator user name and password.
twc.admin.username=Administrator
twc.admin.password=Administrator

# Specify the Teamwork Cloud IP address or domain name.
twc.ip=127.0.0.1

# Specify rest protocol (http or https) depending on the Teamwork Cloud server setup.
twc.rest.protocol=https

# Specify the Teamwork Cloud rest API port.
twc.rest.port=8111

# Specify the Teamwork Cloud client API port.
twc.client.port=3579

# Specify the maximum total number of connections.
twc.client.max.total.connections=20

# Specify the maximum number of connections allowed for a route
twc.client.max.connections.per.route=20

# Specify how many milliseconds to wait for establishing connection
# with the remote server before a timeout exception occurs.
twc.client.connect.timeout.ms=30000

# Specify how many milliseconds to wait for the server to respond
# to various calls before a timeout exception occurs.
twc.client.socket.timeout.ms=120000

# Specify how many milliseconds to wait for checking out a connection
# from the connection pool before an exception occurs.
twc.client.connection.request.timeout.ms=120000

# Set to true to ignore Teamwork Cloud certificate validation. Otherwise, set to false.
twc.client.ignore.certificate=true

#
# FlexNet server properties
#

# Specify the FlexNet licence server IP address.
flexnet.server.name=127.0.0.1

# Specify the FlexNet license server port.
flexnet.server.port=1101

#
# Platform mailing engine properties used to send notifications via e-mail
#

# Specify the e-mail server host name.
mail.host=gate.company.com

# Specify the e-mail server port.
mail.port=25

#Specify the user name and password.
mail.username=anonymous
mail.password=

# Specify the e-mail protocol and encoding.
mail.protocol=smtp
mail.encoding=UTF-8

# Specify the sender's e-mail address.
mail.from.default=info@company.com

#
# Platform service discovery related properties

```

```
#

# Specify the ZooKeeper servers host:port values, separated by a comma. Port can be omitted if default
# 2181 is used
zookeeper.connect.string=localhost
# Specify zk node where ZooKeeper registers applications
zookeeper.base.service.path=/services
# Enable or disable service discovery. Enabled if the property does not exist
service.discovery.enabled=true
# Indicates path of services. Specify / if all services are deployed on the same Tomcat.
service.uri=/

#
# HTTP Client properties
#

# Set to true to ignore certificate validation when one WAP service calls another service. Otherwise,
# set to false.
http.client.ignore.certificate=true
```

4. Read the comments with property descriptions inside the file and specify the following:

- Web Application Platform properties
- Teamwork Cloud server properties
- Authentication server properties
- FlexNet server properties
- Platform service discovery related properties

5. Go to the `<Web App Platform no-install directory>/conf` directory.

6. In your computer settings, specify the **JRE_HOME** and **CATALINA_HOME_WEBAPP** variables as shown below:

```
CATALINA_HOME_WEBAPP=<Web_App_Platform_no-installer_directory>
JRE_HOME=<Java_install_directory>
```

7. If you want Web Application Platform to use SSL certificates, do the following:

- Generate the [SSL certificate file](#).
- Go to the `<Web_App_Platform_no-installer_directory>/conf` directory and open to edit the `server.xml` file.
- In the `server.xml` file, change the default values of the following properties to the actual path to certificate file and password:
 - certificateKeystoreFile="`<path_to_certificate_file>`"
 - certificateKeystorePassword="`<password>`"



Important

The **certificateKeystorePassword** property value must be the same as the **-storepass** and **-keypass** property values that you specified when creating the SSL certificate.

8. Start Zookeeper.

9. Go to the `<Web App Platform no-install directory>/bin` directory and run the `startup.bat` file as administrator to start Web Application platform.

10. If you chose to install Cameo Collaborator for Teamwork Cloud, [apply the Cameo Collaborator license](#).

To access Web Application Platform, open a web browser and go to `http(s)://<domain_name>:<port>/webapp`. By default, Web Application Platform uses port 8443.



Starting Web Application Platform manually

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

Specifying JRE_HOME and CATALINA_HOME_WEBAPP variables

In this section, you can learn how to specify the **JRE_HOME** and **CATALINA_HOME_WEBAPP** variables in different operating systems.

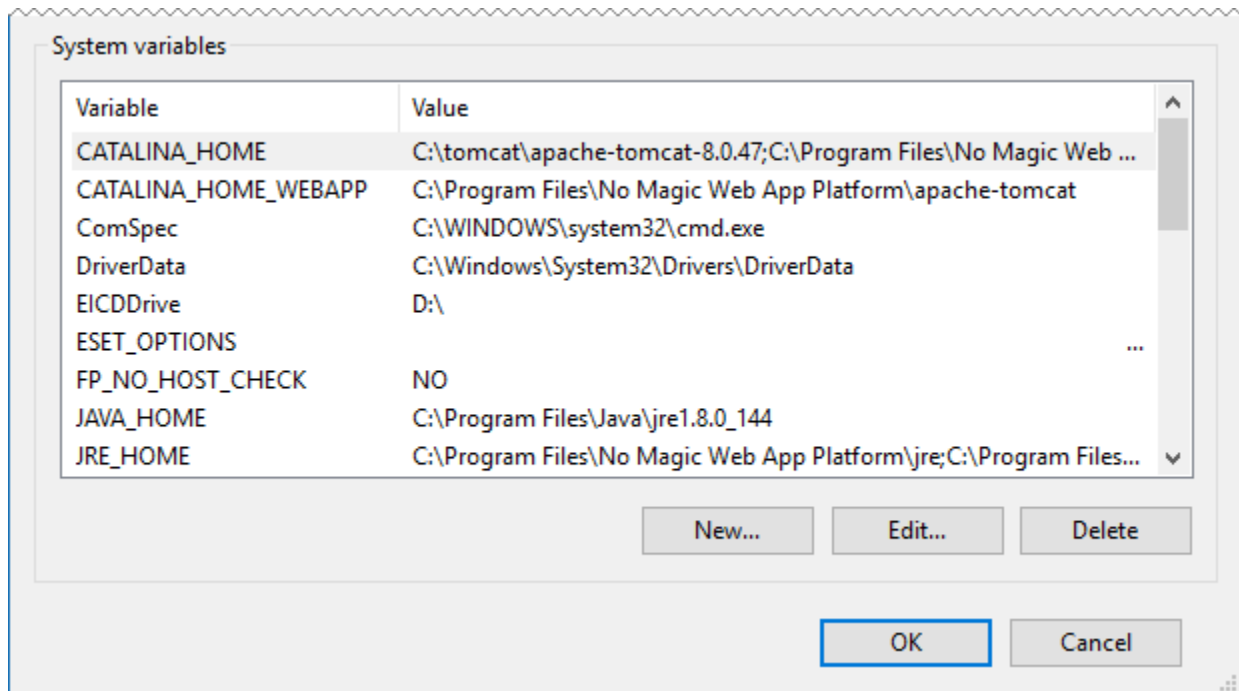
To specify variables on Windows

1. Open **Control Panel** and go to **System and Security > System**.
2. Select the **Advanced system settings** option on the left side of the **System** dialog.

3. In the System Properties dialog, click the **Environment Variables** button.
4. In the **System variables** area of the **Environment Variables** dialog, specify the values for the **JRE_HOME** and **CATALINA_HOME_WEBAPP** variables as shown below:

```
CATALINA_HOME_WEBAPP=<Web_App_Platform_extracted_no-installer_directory>
JRE_HOME=<Java_install_directory>
```

5. Click **OK**.



System variables in the Environment Variables dialog on Windows

To specify variables on Linux

1. Go to the `/etc` directory and open the `profile` file.
2. Copy the following lines to the `profile` file and replace the placeholders between angle brackets (<>) with actual paths:

```
export CATALINA_HOME_WEBAPP=<path_to_Web_App_Platform_extracted_no-installer_directory>
export JRE_HOME=<path_to_Java_install_directory>
```



Variable examples

```
export CATALINA_HOME_WEBAPP=/Users/admin/Desktop/Web_App_Platform_190_noinstall
```

```
export JRE_HOME=/usr/java/jdk1.8.0_172-amd64/
```

3. Open the Terminal application and execute the following command:

```
source /etc/profile
```