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.
- Make sure that the FlexNet license server is installed beforehand because Cameo Collaborator for Teamwork Cloud uses a floating license.

  You will need to specify license server details when installing Web Application Platform.
- You have to download the *Web_App_Platform_<version number>_noinstall.zip* file.

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

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

```
# General properties


install.root=.


# Web Application Platform properties


wap.context=/webapp
# Specify a guest user name. You can create users using TWC Admin Console.
wap.guest.username=Guest
# Specify the guest user password.
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://<nm_authentication_server_ip>: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=https://<nm_authentication_server_ip>/webapp/
# Specify a unique platform ID.
authentication.client.id=webApplicationPlatform
# Specify the authentication client password that platform will use to secure communication with the
authentication server.
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.
twc.admin.username=Administrator
# Specify the Teamwork Cloud administrator password.
twc.admin.password=Administrator
# Specify the Teamwork Cloud server address. Use http or https depending on the Teamwork Cloud server
setup.
twc.url=https://<teamwork_cloud_ip>:8111
# Specify the maximum total number of connections.
twc.client.max.total.connections=20
```

```
# Specify the maximum number of connections for a route.
twc.client.max.connections.per.route=20
# Specify how long (in milliseconds) to wait for establishing the connection with the remote server
before a timeout exception occurs.
twc.client.connect.timeout.ms=30000
# Specify how long (in milliseconds) to wait for the server to respond to various calls before a timeout
exception occurs.
twc.client.socket.timeout.ms=120000
# Specify how long (in 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=<server_ip>
# Specify the FlexNet license server port.
flexnet.server.port=<server_port>


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


# Specyfy the e-mail server host name.
mail.host=<gate.company.com>
# Specify the e-mail server port.
mail.port=25
# Specify the sender's user name and password.
mail.username=<user_name>
mail.password=<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>
mail.from.enabled=false
mail.smtp.auth=false
mail.smtp.timeout=30000
```

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

   Specifying property values
   - Make sure you replace the placeholders in the angle brackets (<>) with actual values (e.g., Teamwork Cloud and Authentication server addresses)
   - Some properties are specified for you. You can leave their values unchanged.
   - Platform mailing engine properties are optional. You can specify them later if needed.
5. Go to the *<Web App Platform no-install directory>/conf* directory.
6. Open the *catalina.properties* file and edit the following property value as shown below:

```
shared.loader="${catalina.base}/shared/conf"
```

7. 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>
```

8. Generate the SSL certificate file.
9. Go to the *<Web_App_Platform_no-installer_directory>\conf* directory and open to edit the *server.xml* file.
10. 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.

11. Go to the <*Web App Platform no-install directory>/bin* directory.
12. Run the *startup.bat* file as administrator to start the Web Application platform.
13. Apply the Cameo Collaborator for Teamwork Cloud license.

Now you can access Web Application Platform by opening a web browser and going to *http(s)://<domain_name>:<port>/webapp/resources*. By default, Web Application Platform uses the port 8443. Click here, to learn how to start and stop Web Application Platform.

Specifying JRE_HOME and CATALINA_HOME_WEBAPP variables

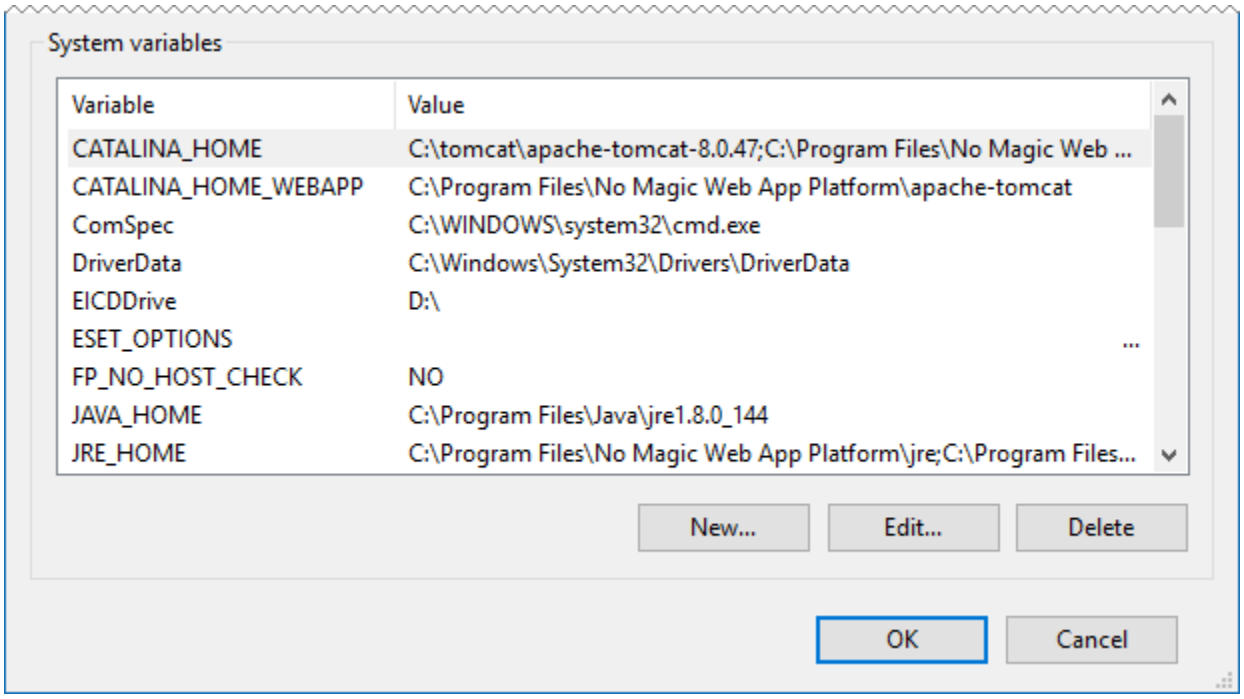
In this section, you can learn how to specify the **JRE_HOME** and **CATALINA_HOME_WEBAPP** variables in different operating systems.

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_Platfrom_extratcted_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
```