

Worksoft Execution Manager Plugin

Plugin Information

View Worksoft Execution Manager on the [plugin site](#) for more information.

Description

This is the official Worksoft Supported Plugin. The plugin adds build steps for interacting with a Worksoft's Execution Manager to run your Certify processes or ALM labs.

Installation

Note: This plugin requires Worksoft's Execution Manager version 10.0.20 or later. If you use an earlier version of Execution Manager you will see a runtime error 405 Method Not Allowed.

Update Center

1. Open Jenkins in a browser (e.g. <http://<jenkins-host>:8080>)
2. Navigate to **Manage Jenkins** **Manage Plugins** view
3. Under the **Available** tab find the *Worksoft Execution Manager* plugin and check the box adjacent to the plugin and click **Install without restart**:

The screenshot shows the Jenkins Manage Plugins interface. At the top right, there is a search filter box containing the text 'worksoft'. Below the search bar are four tabs: 'Updates', 'Available', 'Installed', and 'Advanced'. The 'Available' tab is selected. Below the tabs is a table with columns for 'Name' and 'Version'. The table contains one entry: 'Worksoft Execution Manager' with version '10.0.0.7'. Below the table, there are three buttons: 'Install without restart', 'Download now and install after restart', and 'Check now'. The text 'Update information obtained: 3 hr 6 min ago' is displayed between the second and third buttons.

Manual

1. Download **ws-execution-manager.hpi** from <https://plugins.jenkins.io/ws-execution-manager>
2. Open Jenkins in a browser (e.g. <http://<jenkins-host>:8080>)
3. Navigate to **Manage Jenkins** **Manage Plugins** and select the **Advanced** tab.
4. Click the **Choose File** button in the **Upload Plugin** section.
5. Find the location of the **ws-execution-manager.hpi** file and click the **Open** button and **Upload** the file.
6. Restart Jenkins, if necessary.

Usage

Configure Global Worksoft Execution Manager Settings

The plugin provides a means to configure an Execution Manager's URL and credentials used by all Execution Manager build steps (unless overridden). To configure this, navigate to *Jenkins global configuration settings and paths* (Jenkins Manage Jenkins Configure System) and locate the **Global Worksoft Execution Manager Settings** section:

Global Worksoft Execution Manager Settings

Execution Manager Configuration ?

URL

- URL is invalid no protocol:

Credentials

- none - Add

Test Connection

Configure the URL of the Execution Manager (typically http://<em-host>/executionmanager):

Global Worksoft Execution Manager Settings

Execution Manager Configuration ?

URL

- URL is invalid no protocol:

Credentials

- none - Add

Test Connection

And credentials:

Global Worksoft Execution Manager Settings

Execution Manager Configuration ?

URL

- URL is invalid no protocol:

Credentials

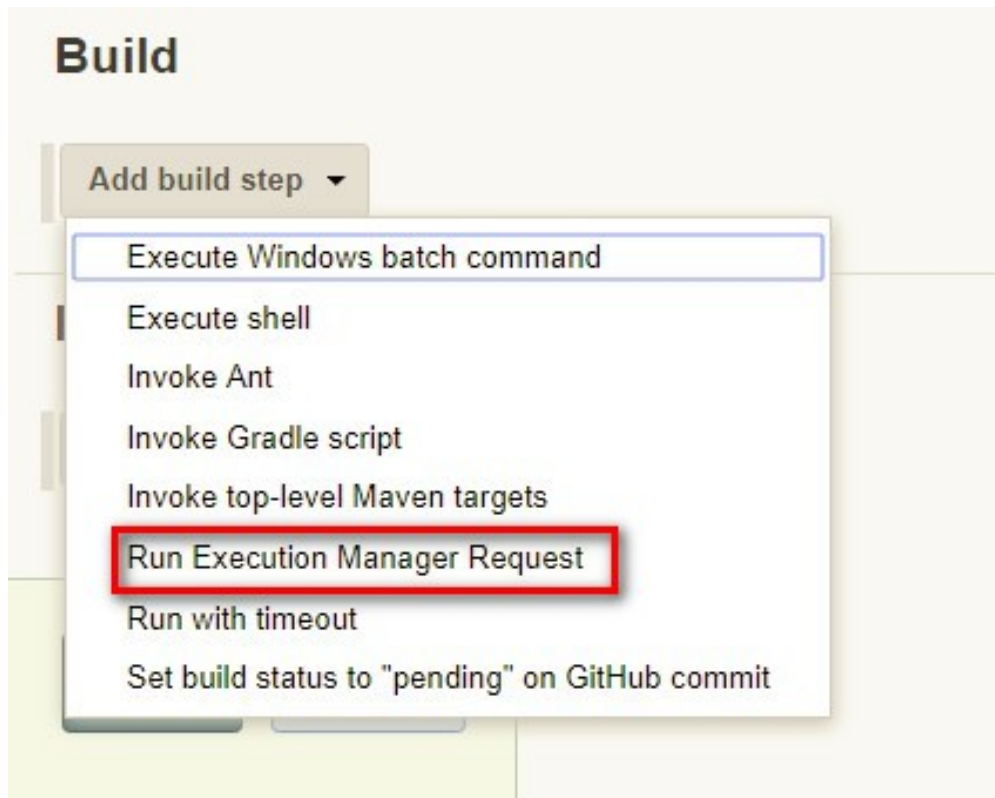
- none - Add

Test Connection

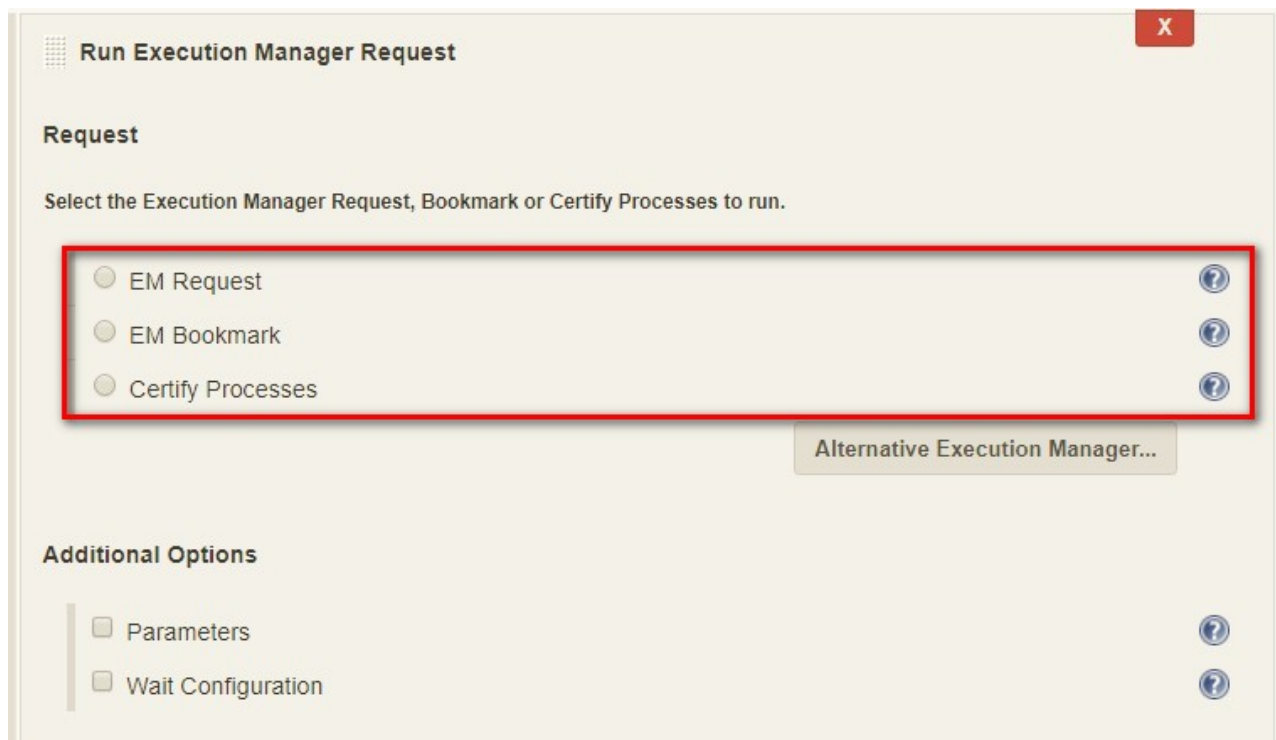
Save these configuration settings after which they can be used by Execution Manager build steps (Freestyle and Pipeline).

Freestyle Project

Create a Freestyle project and add the **Run Execution Manager Request** build step:



Select the type of request to execute:



Execution Manager Request

Select **EM Request** to run a predefined request configured on the Execution Manager. The **Name** list box will be populated with all available requests of which one must be selected.

EM Request ?

Name: ▼

⊖ A request must be specified!

EM Bookmark ?

Certify Processes ?

Execution Manager Bookmark

Select **EM Bookmark** to run a predefined bookmark configured on the Execution Manager via the Management Studio. The **Name** list box will be populated with all available bookmarks of which one must be selected.

EM Request ?

EM Bookmark ?

Name: ▼

⊖ A bookmark must be specified!

Results folder:

Certify Processes ?

Optionally, a result folder can be specified by filling in the **Results folder** text box:

EM Request ?

EM Bookmark ?

Name: ▼

⊖ A bookmark must be specified!

Results folder:

Certify Processes ?

Certify Processes

Select **Certify Processes** to execute a list of Certify processes without creating a request or bookmark first.

● Certify Processes ?

Database alias: ?
⊖ A database alias must be specified!

Project name: ?
⊖ A project must be specified!

Results folder: ?

Request name: ?
⊖ A request name must be specified!

Certify Process List ?

Path X

⊖ A process path must be specified!

Provide an database alias name of the Certify connection saved in Management Studio -> Configuration -> Certify Configuration:

Database alias: ?
⊖ A database alias must be specified!

Project name: ?
⊖ A project must be specified!

Results folder: ?


Request name: ?
⊖ A request name must be specified!


Certify Process List ?


Path X


⊖ A process path must be specified!



Specify the Certify project where processes reside:


Database alias: 
- A database alias must be specified!

Project name: 
- A project must be specified!


Results folder: 


Request name: 
- A request name must be specified!


Certify Process List  


 Path
- A process path must be specified!



Optionally, specify a folder where Certify Results will be saved. If not specified, results go to the root results folder:


Database alias: 
- A database alias must be specified!

Project name: 
- A project must be specified!



Results folder: 
- A request name must be specified!



Request name: 
- A request name must be specified!


Certify Process List  



 Path
- A process path must be specified!


Specify a name to be given to the request execution:

Database alias: 
 **A database alias must be specified!**


Project name: 
 **A project must be specified!**

Results folder: 



Request name: 
 **A request name must be specified!**



Certify Process List  


 Path
<input type="text"/>



 **A process path must be specified!**



Provide a fully qualified path to each process to execute:


Database alias: 
 **A database alias must be specified!**


Project name: 
 **A project must be specified!**

Results folder: 

Request name: 
 **A request name must be specified!**

Certify Process List  

 Path
<input type="text"/>

 **A process path must be specified!**

Add additional processes by clicking the Add Certify Process button:

Database alias: ?

- A database alias must be specified!

Project name: ?

- A project must be specified!

Results folder: ?

Request name: ?

- A request name must be specified!

Certify Process List X ?

Path
<input type="text"/>

- A process path must be specified!

Add Certify Process

Configure Alternative Execution Manager

An Execution Manager build step can override the globally Execution Manager configuration (see above) by configuring an alternative:

Alternative Execution Manager...

Configure the URL of the Execution Manager (typically `http://<em-host>/executionmanager`):

Execution Manager Configuration ?

URL

- URL is invalid no protocol:

Credentials Add

Test Connection

And credentials:

Execution Manager Configuration ?

URL

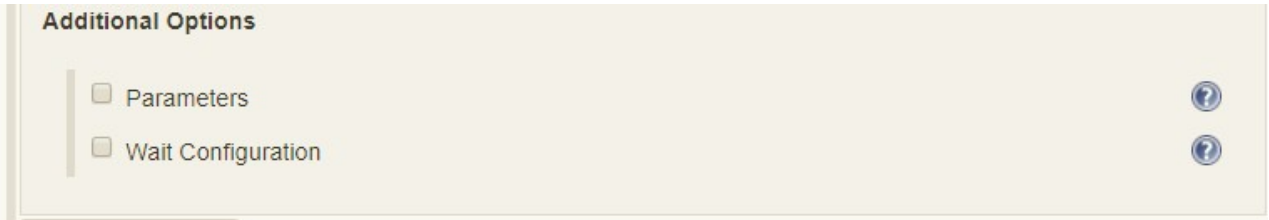
- URL is invalid no protocol:

Credentials Add

Test Connection

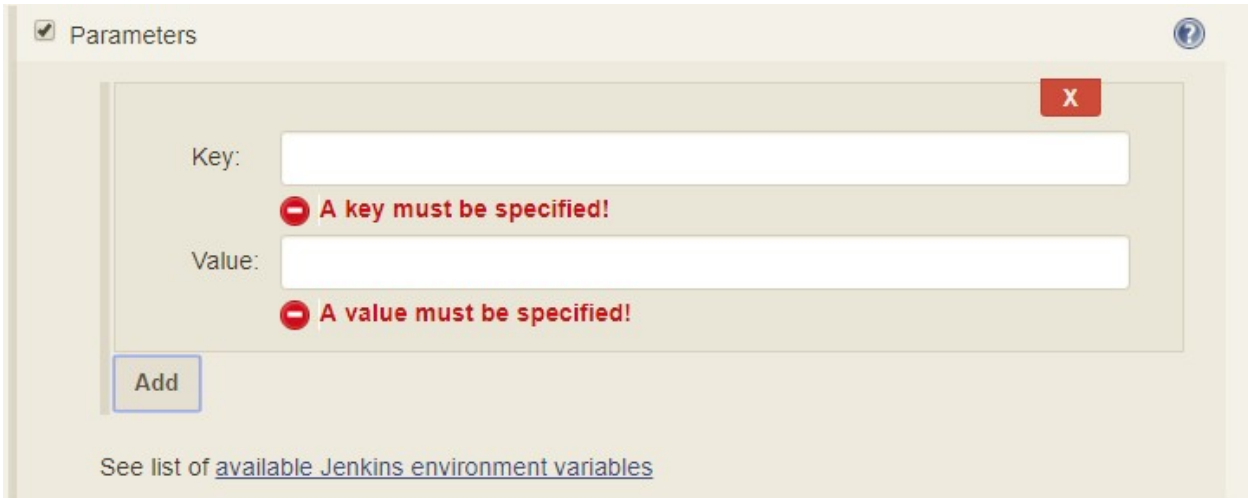
Additional Options

Each request type (request, bookmark and processes) can be configured to be executed with additional Certify parameters and wait configuration:



Certify Parameters

Optionally, Certify parameters can be specified. Both a key and value must be specified. The value can refer to Jenkins environment variables using this syntax - `${JENKINS_ENV_VAR}`. For example - `${BUILD_ID}`:



Optionally, execution wait configuration can be specified. Both the polling interval and maximum run time must be specified in seconds:



Pipeline

DSL Reference - *execMan: Run Execution Manager Request*

requestType

Type: String

altEMConfig (optional)

| Optional alternative Execution Manager configuration. If provided, these parameters override those specified in Jenkins global configuration.

Nested object:

url

Type: String

credentials

Type: String

bookmark (optional)

| Select this to run a predefined bookmark configured on the Execution Manager via the Management Studio.

Nested object:

name

Type: String

folder (optional)

Type: String

execParms (optional)

| Optional execution request parameters. Both a key and value must be specified. The value can refer to Jenkins environment variables using this syntax - `${JENKINS_ENV_VAR}`. For example - `${BUILD_ID}`.

list (optional)

Type: *ArrayList* of emParam

key

Type: String

value

Type: String

processList (optional)

| Select this to execute a list of Certify processes without creating a request or bookmark first.

Nested object:

database

| Alias name of the Certify connection saved in Management Studio -> Configuration -> Certify Configuration.

Type: String

project

| Certify project where processes reside.

Type: String

processes

| List of the fully qualified path to each process.

Type: *ArrayList* of certifyProcess

processPath

Type: String

folder

| Folder where Certify Results will be saved. If not specified, results go to the root results folder.

Type: String

requestName

| Name given to the request execution.

Type: String

request (optional)

| Select this to run a predefined request configured on the Execution Manager.

name

Type: String

waitConfig (optional)

| Optional execution request wait configuration. Both the polling interval and maximum run time must be specified in seconds

Nested object:

pollInterval

Type: String

maxRunTime

Type: String

Example pipeline snippets

Simple Request execution:

```
execMan request: [name: 'name-of-request'], requestType: 'request'
```

Simple Bookmark execution:

```
execMan bookmark: [folder: 'result-folder-name', name: 'name-of-bookmark'], requestType: 'bookmark'
```

Simple Process List execution:

```
execMan processList: [database: 'database-alias', folder: 'result-folder-name', processes: [[processPath: 'Project1\Folder1\Folder2\Process1'], [processPath: 'testproject\testfolder\testprocess']], project: 'certify-project-name', requestName: 'request-name'], requestType: 'processList'
```

Bookmark request with wait config specified:

```
execMan bookmark: [folder: 'result-folder-name', name: 'name-of-bookmark'], requestType: 'bookmark', waitConfig: [maxRunTime: '600', pollInterval: '10']
```

Request with Parameters:

```
execMan request: [name: 'name-of-request'], requestType: 'request', execParams: [list: [[key: 'key1-name', value: 'value1'], [key: 'key2-name', value: 'value2']]]
```

Changelog

Version 10.0.0.7 (Dec 11 2018)

- Initial version