

Edit PList file

Last Modified on 04.16.26

The *Edit PList file* action allows you to modify PList files. This could be used to edit configuration files for a package for example.

General

Type *Edit PList file*

Name Actions are easier to comprehend and manage over time when they have a suitable name that accurately expresses what they do.

File The path to the targeted file.

Actions table Here you can add, set, update or remove the name and the value of a certain key, inside dictionaries or arrays of the .PList file.

Advanced

Context The level at which the action is executed, *User* or *Device*.

Variables If this option is selected, then variables are supported within the action.

Filters

Here you can define conditions which determine if the action will be executed. For more information, see [Filters](#).



Agent

It requires the Agent to be running.

Supported platforms

Platform Supported

Web No

Windows Yes

macOS Yes

Example

We'll use the following PList for our examples.

Recast

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.com/DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
<dict>
<key>CFBundleName</key>
<string>TestApp</string>
<key>CFBundleExecutable</key>
<string>TestApp</string>
<key>CustomFields</key>
<dict>
<key>CustomField1</key>
<string>Test value</string>
<key>CustomField2</key>
<array>
<string>Test value 1</string>
<string>Test value 2</string>
<string>Test value 3</string>
</array>
<key>CustomField3</key>
<dict>
<key>CustomSubField1</key>
<string>Test value 1</string>
<key>CustomSubField2</key>
<string>Test value 2</string>
</dict>
</dict>
</dict>
</plist>
```

How to select a key

To select a key within a dictionary (dict element), use the name of the key. For example, to select 'CFBundleName' use

`CFBundleName`. To select a key in a nested dictionary, separate the dictionaries by using '/'. For example `CustomFields/CustomField1`.

How to select an array element

To select an array element, use the index number (starting from zero). For example, to select the 'Test value 2' use

`CustomFields/CustomField2/1`. You can use a negative number to count from the last element back. For example, if you want to select the last element in the array, you can use `CustomFields/CustomField2/-1`.

How to add an array element

To add an array element, use the 'Add action' and specify with the key the array. For example, to add an element to the 'CustomField2' array, use as key: `CustomFields/CustomField2` or `*/CustomField2`.

How to remove an array element

To remove an element of an array, use the 'Remove action' and specify the array element with the key. For example to remove the last element of the 'CustomField2' array, use as key: `CustomFields/CustomField2/-1` or `*/CustomField2/-1`. To remove all elements of the array, you can use `CustomFields/CustomField2/*` or `*/CustomField2/*`.

Wildcards

Recast

Wildcards are supported. To select all values in the 'CustomFields' dictionary, use `CustomFields/*`. The same applies for arrays: `CustomFields/CustomField2/*`. A single '*' indicated a single level. For multi-level, use a double '**', for example `**/CustomSubField1`.

How to insert a PList fragment

To insert a PList fragment, use the 'Xml' type. The value should only describe a fragment without the XML or PList definition and it should always contain a single top element. For example:

```
<array>
  <string>Test value 1</string>
  <string>Test value 2</string>
</array>
```

Overview of the results depending on the type you are changing:

Dictionaries:

/path/key:

- Set: overwrite key item
- Update: overwrite key item
- Add: add key item if it doesn't exist
- Remove: remove key item

/path/ or /path/*:

- Set: overwrite all items
- Update: overwrite all items
- Add: not supported
- Remove: remove all items

Lists:

/path/0:

- Set: overwrite first item
- Update: overwrite first item
- Add: insert before first item
- Remove: remove first item

/path/-1:

- Set: overwrite last item
- Update: overwrite last item
- Add: insert before last item
- Remove: remove last item

/path/ or /path/*:

- Set: overwrite all items
- Update: overwrite all items
- Add: add new item at the end of the list
- Remove: remove all items