

# Extending Workflow Attributes Editor

## Overview

As Plugins Developer, you will find here, some details on how to implement your own Meta-Attribute Editor dedicated to your custom Meta-Attribute.

## How to extend Meta-Attributes Editors

To append a new Meta-Attributes Editors, you will have to process as follow ...

- Create a Velocity template providing the Attribute Editor

*See below the Boolean editor*

```
<td class="fieldLabelArea">$!18n.getText("minyaa.workflows.attribute.
booleanValue")</td>
<td class="fieldValueArea">
    <input type="radio" name="metaAttributeBooleanValue" id="
attributeRadioValue1" size="30" value="true" />
    <label for="attributeRadioValue1"> $!18n.getText("admin.
common.words.true")</label>
    <input type="radio" name="metaAttributeBooleanValue" id="
attributeRadioValue2" size="30" value="false" />
    <label for="attributeRadioValue2"> $!18n.getText("admin.
common.words.false")</label>
    <br />
</td>
```

- Create a Javascript applying the edited value into the Input field.

*... always for Boolean editor*

```
jQuery(document).ready(function(){
    MYAAWA.namespace("MYAAWA.Editors.editMetaBoolean");
    MYAAWA.Editors.editMetaBoolean.init = function(inputValue) {
        var editedValue =
AJS.$("[name='metaAttributeBooleanValue']");
        var onChanged = function(event) {
            inputValue.val(event.target.value);
        };
        MYAAWA.Editors.editMetaBoolean.onChanged = onChanged;
        editedValue.change(MYAAWA.Editors.editMetaBoolean.
onChanged);
    };
});
```

- Define a Web Resource for this JS file. It has to be in dependency with MYAA\_WorkflowsAttribute.js

*... again for Boolean editor*

```
<web-resource key="MYAA_editMetaBoolean" name="MYAA-editMetaBoolean">
    <dependency>jira.plugin.minyaa.workflows.attributes:
MYAA_WorkflowsAttributes</dependency>
    <resource type="download" name="editMetaBoolean.js"
location="com/minyaa/workflows/js/MYAA.editMetaBoolean.js">
        <property key="content-type" value="text/javascript"
/>
    </resource>
</context>atl.admin</context>
</web-resource>
```

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- and finally, defined the meta-editor, specifying the related Velocity template

... a last one for Boolean editor

```
<meta-editor key="editMetaBoolean" name="Edit Meta Attribute as
Boolean">
    <resource type="velocity" name="edit" location="com/minyaa
/workflows/templates/meta-attributes-edit-boolean.vm" />
</meta-editor>
```

## How to extend Meta-Attributes

To extend the list of displayed Meta-Attributes depending on the list of supported process as follow ...  
Use the custom plugin module-type meta-attribute

```
<meta-attribute key="sampleAttribute" name="sample.attribute" isUnique="
false" valueEditorKey="jira.plugin.minyaa.workflows.attributes:
editMetaBoolean" >
    <description key="sample.attribute.desc">Do nothing !.<
/description>
    <scope
        initialAction="true"
        globalAction="true"
        commonAction="true"
        stepAction="true"
        initialStep="true"
        normalStep="true"
        finalStep="true"
    />
</meta-attribute>
```

Where ...

- **isUnique** specifies if the attribute may be use more than one time by Step of Transition (*Not yet completely supported*),
- **valueEditorKey** specifies the editor to use. Use the complete key.
- **scope** specifies if the attribute can be use as Step Meta-Attribute or Transition Meta-Attribute

*Different types of Step and Action are possible, but will managed only by Minyaa Workflows Designer*

Meta-Attributes may be also added through a Plugin Component. The Component will have to implement the interface **MetaAttributesProvider** as follow ...

```

public class YourMetaAttributesProvider implements MetaAttributesProvider {

private MetaAttributeManager metaAttributeManager;

    public WorkflowMetaAttributesProvider(MetaAttributeManager
metaAttributeManager) {
        this.metaAttributeManager = metaAttributeManager;
        metaAttributeManager.addMetaAttributesProvider(this);
    }

    public void refresh() {
        MetaAttributeModule metaAttributeModule;

        metaAttributeModule = new MetaAttributeModule("sample.step.
attribute");
        metaAttributeModule.appendDescription("Do nothing
special").appendScopes(metaAttributeManager.getAllAvailableStepScopes());
        metaAttributeModule.appendValueEditorKey("jira.plugin.
minyaa.workflows.attributes:editMetaBoolean");
        metaAttributeManager.addMetaAttributes
(metaAttributeModule);

        metaAttributeModule = new MetaAttributeModule("new.boolean.
action.attribute");
        metaAttributeModule
            .appendDescription("Define if it is True or False
!!!")
            .appendScopes(metaAttributeManager.
getAllAvailableActionScopes());
        metaAttributeModule.appendValueEditorKey
(metaAttributeManager.META_VALUE_EDITOR_BOOLEAN_KEY);
        metaAttributeManager.addMetaAttributes
(metaAttributeModule);
    }
}

```