

Deltek Maconomy 2.3 GA

MMSL Quick Reference Guide

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Overview

Use this document to learn about tags and associated attributes related to MMSL.

Attributes of a given tag are described using a table like the following. An empty table means that there are no attributes.

Attribute Name	Type	Usage
<i>Attr1</i>	<i>Type of attr1</i>	This attribute is used to...
<i>Attr2</i>	<i>Type of attr2</i>	Indicates...

Attributes refer to any of the types listed in the following table.

Attribute	Description
Expression	An expression that evaluates to either true or false (a predicate). This expression can use the Maconomy standard functions, such as <code>envVar('user.info.username')</code> .
Boolean	A Boolean attribute (true or false).
Key	A string that is case-insensitive and NEVER exposed to end users. Use this for references (internally or from other parts in the spec/other specs).
Display	A string that is meant to be displayed to an end user (and which is therefore localized). Can never be used for any reference.
Id	A case-sensitive string for referencing items in environments that are not controlled by Maconomy. This is NEVER exposed to an end user.
Version	A number of the format "xx.yy," where xx is the major version, and yy is the minor version.

Example Menu

The following code shows an example of MMSL specification.

```
<?xml version="1.0" encoding="UTF-8"?>
<MMSL xmlns="http://www.maconomy.com/ns/mmsl" version="0.4">
  <Menu>
    <Group title="My Workspaces" icon="iconFolder.png">
      <Workspace source="DraftInvoiceEditing" title="My Drafts"
        icon="workspacel.png" />
    </Group>
    <Group title="Jobs">
      <Workspace title="Jobs" source="Jobs" />
      <Workspace title="Job Batch" source="JobBatch" />
      <Workspace title="Opportunities" source="Opportunities" />
    </Group>
    <Group title="Time & Expenses">
      <Workspace name="registerTime" title="Time and Expense Registration"
        source="TimeAndExpenseRegistration" />
    </Group>
  </Menu>
  <Auto>
    <!-- Open "Time & Expenses" automatically every Monday
      with a custom "Time to register"-title. -->
    <If condition="intWeekDay( currentDate() ) = 1">
      <Workspace ref="registerTime" title="Time to register" />
    </If>
  </Auto>
</MMSL>
```

General Tags

<MMSL>-tag

This is the general container tag for the menu specification. It has two main parts.

- The Menu-section of workspaces, which can be divided and subdivided into groups.
- The Auto-section, which lists workspaces that should be opened at startup.

Attribute Name	Type	Usage
version	Version	Indicates the current version of this menu specification.

<Menu>-tag

This is the container for the workspaces that are part of the menu. These workspaces can be conditionally included using the <If><Elseif><Else>-tags and divided into groups using the <Group>-tag.

Attribute Name	Type	Usage
-	-	-

<Auto>-tag

This is the container for the workspaces that are launched during startup. These workspaces can be conditionally included using the <If><Elseif><Else>-tags. You can only start a workspace automatically if it is included in the actual menu. If a workspace is included in the menu, and it is unconditionally referred to in the Auto-section, it only starts automatically if condition X is satisfied.

Attribute Name	Type	Usage
-	-	-

<Group>-tag

This is the primary visual grouping construct. Groups can contain workspaces and nested groups. The members of a group can be included conditionally using the <If><Elseif><Else>-tags.

Attribute Name	Type	Usage
title	Display	The title indicates the common feature of the group's members. This attribute is required and should not be left empty.
icon	Id	The resource identifier of the icon. If no icon is specified, a default icon is used.

<If><Elseif><Else>-tags

This is a non-visual grouping construct that can be used to either include or exclude the members of this tag. The condition attribute can be simple true/false literals or complex expressions, such as `username()='Administrator'`. The evaluation of conditions takes place once during startup. The user must sign out and restart the client to reevaluate these conditions.

Attribute Name	Type	Usage
condition	Expression	The condition that must be satisfied for the children of this tag to be included. This attribute is required on the <If>- and <Elseif>-tags and prohibited on the <Else>-tag.
default	Boolean	The default attribute indicates a fallback value if the condition cannot be evaluated without errors. This can be caused by either a syntactically invalid condition or an error in the client environment, such as invoking a function that is not available.

Menu-Section

<Workspace>-tag

This tag specifies the presence of a workspace item in the menu. A workspace item represents a workspace as defined in MWSL. However, the appearance of a workspace in the menu does not necessarily imply that this workspace can be opened. You must also take the access specification in MCSL into account to fully determine if a workspace item in the menu is actually accessible.

Attribute Name	Type	Usage
title	Display	The visible title of this workspace. Since the same workspace can appear several times in a single menu, the title is required and should be given some thought.
icon	Id	An optional icon reference to an icon that is rendered next to the workspace title. If no icon is specified, a default icon is used.
source	Key	The workspace that is represented by this menu item. This refers to a corresponding MWSL file. The file extension ('.mws.xml') should be left out.
name	Key	An optional name for the item. The name can be referred from the Auto-section. This name should be unique in the menu. If nothing is specified, the value of the source attribute is used.
pluginId	Id	The id of the plug-in implementing the workspace implementation that is used to render this workspace. The default is to render a workspace as an Eclipse editor.

Auto-Section

<Workspace>-tag

This indicates that a workspace item in the menu should be opened automatically when the client starts. For more information, see [<Workspace>-tag](#).

Attribute Name	Type	Usage
title	Display	The visible title of this workspace. The title overrides the title specified in the menu. If nothing is specified here, the title from the menu is used.
icon	Id	An optional icon reference to an icon that is rendered next to the workspace title. If no icon is specified, nothing is shown.
source	Key	The workspace that is represented by this menu item. This refers to a corresponding MWSL file. The file extension ('.mws.xml') should be left out.
ref	Key	Reference to a named workspace from the menu-section.
pluginId	Id	The id of the plug-in implementing the workspace implementation that is used to render this workspace. Currently, the default is to render a workspace as an Eclipse editor.



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