

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="workspace1.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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