

# How to implement a Custom Tag for XMLText FieldType

## Version compatibility

This recipe is compatible with **eZ Publish 5.1 / 2013.05**

## Custom tags

As of eZ Publish 5.2 **XMLText fieldType** supports a limited number of tags in its internal eZXML format to render HTML5. However, it is possible to extend the rendering by implementing **custom tags**.

As HTML5 rendering in eZ Publish is done through [XSLT](#), you will need to create an XSL stylesheet to extend the rendering.

### Note on legacy custom tags

To be able to edit a custom tag from admin interface, you'll still need to [register your custom tag in the legacy kernel](#) (at least the configuration part, template not being mandatory for edition).

- [Custom tags](#)
  - [Register your custom XSL stylesheet](#)

## Register your custom XSL stylesheet

For eZ Publish 5.1, there's a possible workaround that uses `eZXml2Html5.xsl` as a starting point, and require the following steps:

1. Copy the three files `eZXml2Html5.xsl`, `eZXml2Html5_core.xsl` and `eZXml2Html5_custom.xsl` files from `vendor/ezsystems/ezpublish-kernel/eZ/Publish/Core/FieldType/XmlText/Input/Resources/stylesheets/` to your bundle
2. Edit your main file, `eZXml2Html5.xsl` in our example, to something like the following:

### eZXml2Html5.xsl

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet
  version="1.0"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  xmlns:xhtml="http://ez.no/namespaces/ezpublish3/xhtml/"
  xmlns:custom="http://ez.no/namespaces/ezpublish3/custom/"
  xmlns:image="http://ez.no/namespaces/ezpublish3/image/"
  exclude-result-prefixes="xhtml custom image">

  <xsl:import href="eZXml2Html5_core.xsl" />
  <xsl:import href="eZXml2Html5_custom.xsl" />
  <xsl:output method="html" indent="yes" encoding="UTF-8" />
</xsl:stylesheet>
```

3. Edit your `_custom` file, `eZXml2Html5_custom.xsl` in our example, and add the content you wish, like in the following example:

### eZXml2Html5\_custom.xsl

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet
  version="1.0"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  xmlns:xhtml="http://ez.no/namespaces/ezpublish3/xhtml/"
  xmlns:custom="http://ez.no/namespaces/ezpublish3/custom/"
  xmlns:image="http://ez.no/namespaces/ezpublish3/image/"
  exclude-result-prefixes="xhtml custom image">

  <xsl:output method="html" indent="yes" encoding="UTF-8"/>

  <!-- Template below will match the following custom tag: -->
  <!-- <custom name="youtube"
custom:video="//www.youtube.com/embed/MfOnq-zXXBw" custom:videoWidth="640"
custom:videoHeight="380"/> -->
  <xsl:template match="custom[@name='youtube']">
    <div class="jvembed jvembed-youtube">
      <iframe>
        <xsl:attribute name="width"><xsl:value-of
select="@custom:videoWidth"/></xsl:attribute>
        <xsl:attribute name="height"><xsl:value-of
select="@custom:videoHeight"/></xsl:attribute>
        <xsl:attribute name="src"><xsl:value-of
select="@custom:video"/></xsl:attribute>
        <xsl:attribute name="frameborder">0</xsl:attribute>
        <xsl:attribute name="allowfullscreen"/>
      </iframe>
    </div>
  </xsl:template>
</xsl:stylesheet>
```

4. Add the path where your .xsl files were placed to ezpublish/config/parameters.yml, for example:

```
parameters:
  ezpublish.fieldType.ezxmltext.converter.html5.resources:
    %kernel.root_dir%/../src/MyBundle/Resources/eZXml2Html5.xsl
```

Please note that in the eZXml2Html5\_custom.xsl file you can add as many custom tags you wish, instead of repeating these steps or adding independent files for each tag.