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
   <?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
<?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:

```yaml
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.