

# ChangeLocale

NOTE: This information applies to an older version of Tapestry. For current information on Tapestry's localization support, see <http://tapestry.apache.org/localization.html>.

## LocaleSelectionFlags component

Here is a component that offer to the visitor to change the site Locale by clicking on a flag.

### Usage

```
<span jwcid="@Util/LocaleSelectionFlags" flagsfolder="/Public/flags"></span>
```

The **'parameter'** flagsfolder tell the component where are flags images.

### Todo

- change the hardcoded .gif extension to a optional parameter with .gif as default-value.
- change hardcoded list of locales to a list of locales codes parameter like "fr,en,de,it".

### Others sources of documentation

<http://tapestry.apache.org/tapestry4.1/usersguide/template.html#Localization>

<http://tapestry.apache.org/tapestry4.1/usersguide/localization.html>

<http://wiki.apache.org/tapestry/DefaultLocale>

## LocaleSelectionFlags.jwc

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE component-specification PUBLIC
  "-//Apache Software Foundation//Tapestry Specification 4.0//EN"
  "http://tapestry.apache.org/dtd/Tapestry_4_0.dtd">
<component-specification class="web.components.util.LocaleSelectionFlags" >

  <parameter name="flagsfolder" required="yes" cache="yes" />

  <property name="currentlocaleCode" />

  <property name="localeCodeItem" />

  <component id="localesLoop" type="For" >
    <binding name="source" value="availablesLocalesCode" />
    <binding name="value" value="localeCodeItem" />
  </component>

</component-specification>
```

## LocaleSelectionFlags.html

```

<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-
transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
<title>LocaleSelectionFlags component's template</title>
</head>
<body>
<p>Component LocaleSelectionFlags</p>

<span jwcid="$content$">

    <span jwcid="@Any" value="ognl:currentlocaleCode=page.engine.locale.language"/>

    <span jwcid="localesLoop">

        <span jwcid="@Insert" value="ognl:localeCodeItemName" />
        <span jwcid="@If" condition="ognl:currentlocaleCode==localeCodeItem" >
            
        </span>
        <span jwcid="@Else">
            <a jwcid="@DirectLink" listener="listener:selectLocale" parameters="ognl:localeCodeItem">
                
            </a>
        </span>
    </span>

</span>

</body>
</html>

```

## LocaleSelectionFlags.java

```

package web.components.util;

import java.util.LinkedHashMap;
import java.util.Locale;
import java.util.Set;

import org.apache.tapestry.BaseComponent;
import org.apache.tapestry.IRequestCycle;
import org.apache.tapestry.annotations.InjectObject;

public abstract class LocaleSelectionFlags extends BaseComponent
{
    LinkedHashMap<String,Locale> _availablesLocales;

    @InjectObject("infrastructure:contextPath")
    public abstract String getContextPath();

    public abstract String getFlagsfolder();

    public abstract String getLocaleCodeItem();

    public LinkedHashMap<String,Locale> getAvailablesLocales()
    {
        if( _availablesLocales == null )
        {
            _availablesLocales = new LinkedHashMap<String,Locale>();
            _availablesLocales.put( Locale.ENGLISH.getLanguage(), Locale.ENGLISH );
            _availablesLocales.put( Locale.FRENCH.getLanguage(),Locale.FRENCH );
            _availablesLocales.put( Locale.GERMAN.getLanguage(),Locale.GERMAN );
            _availablesLocales.put( Locale.ITALIAN.getLanguage(),Locale.ITALIAN );
        }
        return _availablesLocales;
    }

    public Set<String> getAvailablesLocalesCode()
    {
        return getAvailablesLocales().keySet();
    }

    public String getLocaleCodeItemName()
    {
        Locale itemLocale = getAvailablesLocales().get(getLocaleCodeItem());
        return itemLocale.getDisplayName(itemLocale);
    }

    public String getLocaleCodeItemFlagUrl()
    {
        return getContextPath() + getFlagsfolder() + "/" + getLocaleCodeItem() + ".gif";
    }

    public void selectLocale(String localeCode)
    {
        Locale newLocale = getAvailablesLocales().get(localeCode);
        this.getPage().getEngine().setLocale( newLocale );

        IRequestCycle cycle = this.getPage().getEngine().getInfrastructure().getRequestCycle();
        cycle.cleanup();
        cycle.activate(getPage().getPageName());
    }
}

```