

Annotated forrest.xmap

<!-- -->

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1. forrest.xmap

```
<?xml version="1.0"?> <!-- =====
Pipelines defining all Source XML types Forrest can handle. Converts from arbitrary formats
to standard Forrest doc-v12 XML. First, determines if a simple format file exists. Candidates
are: .html .ihtml .txt .sxw .jspxwiki Otherwise, the default *.xml handling is used. The XML's
DTD type is discovered using the SourceTypeAction, and an appropriate transformation
applied. Thus to add new XML types, just define a new <sourcetype> and an appropriate
<map:when> handler. Generates : Source XML, Body HTML for *.ehtml Example URL:
http://localhost:8888/index.xml Used by : *.html and *.pdf pipelines in sitemap.xmap Uses :
content/xdocs/**/*.xml $Revision: 1.8 $
===== --> <map:sitemap
xmlns:map="http://apache.org/cocoon/sitemap/1.0"> <map:components> <map:generators
default="file"> <map:generator name="html"
src="org.apache.cocoon.generation.HTMLGenerator">
<jtidy-config>WEB-INF/jtidy.properties</jtidy-config> </map:generator> <map:generator
name="text2xml" logger="sitemap.generator.textgenerator"
src="org.apache.cocoon.generation.TextGenerator"> <parameter name="localizable"
value="true"/> </map:generator> <map:generator name="exception"
src="org.apache.cocoon.generation.ParseExceptionGenerator"/> </map:generators>
<map:serializers default="html"/> <map:matchers default="wildcard"/> <map:transformers
default="xslt"> <map:transformer name="pattern"
src="org.apache.cocoon.transformation.PatternTransformer"
logger="sitemap.transformer.pattern"> <parameter name="groups" value="true"/>
</map:transformer> <map:transformer name="lexer"
src="org.apache.cocoon.transformation.LexicalTransformer"
logger="sitemap.transformer.lexer"> <parameter name="localizable" value="true"/>
</map:transformer> <map:transformer name="parser"
src="org.apache.cocoon.transformation.ParserTransformer"
logger="sitemap.transformer.parser"> <parameter name="flatten" value="true"/> <parameter
name="recovery" value="true"/> <parameter name="localizable" value="true"/>
</map:transformer> <map:transformer name="extparser"
src="org.apache.cocoon.transformation.ExtendedParserTransformer"
logger="sitemap.transformer.extendedparser"> </map:transformer> </map:transformers>
<map:actions> <map:action logger="sitemap.action.sourcetype" name="sourcetype"
src="org.apache.forrest.sourcetype.SourceTypeAction"> <sourcetype
name="document-v10"> <document-declaration public-id="-//APACHE//DTD Documentation
V1.0//EN" /> </sourcetype> <sourcetype name="howto-v10"> <document-declaration
public-id="-//APACHE//DTD How-to V1.0//EN" /> </sourcetype> <sourcetype
name="todo-v10"> <document-declaration public-id="-//APACHE//DTD Todo V1.0//EN" />
</sourcetype> <sourcetype name="changes-v10"> <document-declaration
public-id="-//APACHE//DTD Changes V1.0//EN" /> </sourcetype> <sourcetype
name="document-v11"> <document-declaration public-id="-//APACHE//DTD Documentation
V1.1//EN" /> </sourcetype> <sourcetype name="howto-v11"> <document-declaration
public-id="-//APACHE//DTD How-to V1.1//EN" /> </sourcetype> <sourcetype
name="todo-v11"> <document-declaration public-id="-//APACHE//DTD Todo V1.1//EN" />
</sourcetype> <sourcetype name="changes-v11"> <document-declaration
public-id="-//APACHE//DTD Changes V1.1//EN" /> </sourcetype> <sourcetype
```

```

name="todo-v12"> <document-declaration public-id="-//APACHE//DTD Todo V1.2//EN" />
</sourcetype> <sourcetype name="changes-v12"> <document-declaration
public-id="-//APACHE//DTD Changes V1.2//EN" /> </sourcetype> <sourcetype
name="howto-v12"> <document-declaration public-id="-//APACHE//DTD How-to V1.2//EN" />
</sourcetype> <sourcetype name="todo-v13"> <document-declaration
public-id="-//APACHE//DTD Todo V1.3//EN" /> </sourcetype> <sourcetype
name="changes-v13"> <document-declaration public-id="-//APACHE//DTD Changes
V1.3//EN" /> </sourcetype> <sourcetype name="howto-v13"> <document-declaration
public-id="-//APACHE//DTD How-to V1.3//EN" /> </sourcetype> <sourcetype
name="document-v20a"> <document-declaration public-id="-//APACHE//DTD Documentation
V2.0a//EN" /> </sourcetype> <sourcetype name="document-v20"> <document-declaration
public-id="-//APACHE//DTD Documentation V2.0//EN" /> </sourcetype> <sourcetype
name="todo-v20"> <document-declaration public-id="-//APACHE//DTD Todo V2.0//EN" />
</sourcetype> <sourcetype name="changes-v20"> <document-declaration
public-id="-//APACHE//DTD Changes V2.0//EN" /> </sourcetype> <sourcetype
name="howto-v20"> <document-declaration public-id="-//APACHE//DTD How-to V2.0//EN" />
</sourcetype> </map:action> <map:action logger="sitemap.action.locale" name="locale"
src="org.apache.cocoon.acting.LocaleAction"> </map:action> </map:actions>
<map:selectors default="parameter"> <map:selector logger="sitemap.selector.parameter"
name="parameter" src="org.apache.cocoon.selection.ParameterSelector" /> <map:selector
logger="sitemap.selector.exception" name="exception"
src="org.apache.cocoon.selection.ExceptionSelector"> <exception name="syntax"
class="net.sourceforge.chaperon.process.ParseException"/> <exception
class="java.lang.Throwable" unroll="true"/> </map:selector> <map:selector
logger="sitemap.selector.config" name="config"
src="org.apache.cocoon.selection.SimpleSelector" /> </map:selectors> </map:components>
<map:resources> <map:resource name="transform-to-document"> <map:act
type="sourcetype" src="{src}"> <map:select type="parameter"> <map:parameter
name="parameter-selector-test" value="{sourcetype}" /> <map:when test="document-v10">
<!-- FIXME (JJP): This should use the v12 now--> <map:transform
src="{forrest:stylesheets}/docv10todocv11.xml" /> </map:when> <map:when
test="document-v20a"> <map:transform src="{forrest:stylesheets}/docv20todocv12.xml" />
</map:when> <map:when test="document-v20"> <map:transform
src="{forrest:stylesheets}/docv20todocv13.xml" /> </map:when> <map:when
test="howto-v10"> <map:transform src="{forrest:stylesheets}/howto2document.xml" />
</map:when> <map:when test="howto-v11"> <map:transform
src="{forrest:stylesheets}/howto2document.xml" /> </map:when> <map:when
test="howto-v12"> <map:transform src="{forrest:stylesheets}/howto2document.xml" />
</map:when> <map:when test="howto-v13"> <map:transform
src="{forrest:stylesheets}/howto2document.xml" /> </map:when> <map:when
test="howto-v20"> <map:transform src="{forrest:stylesheets}/howto2document.xml" />
</map:when> <map:when test="todo-v10"> <map:transform
src="{forrest:stylesheets}/todo2document.xml" /> </map:when> <map:when test="todo-v11">
<map:transform src="{forrest:stylesheets}/todo2document.xml" /> </map:when> <map:when
test="todo-v12"> <map:transform src="{forrest:stylesheets}/todo2document.xml" />
</map:when> <map:when test="todo-v13"> <map:transform
src="{forrest:stylesheets}/todo2document.xml" /> </map:when> <map:when test="todo-v20">
<map:transform src="{forrest:stylesheets}/todo2document.xml" /> </map:when> <map:when
test="changes-v10"> <map:transform
src="{forrest:stylesheets}/changesv10tochangesv11.xml" /> <map:transform

```

```
src="{forrest:stylesheets}/changes2document.xml" /> </map:when> <map:when
test="changes-v11"> <map:transform src="{forrest:stylesheets}/changes2document.xml" />
</map:when> <map:when test="changes-v12"> <map:transform
src="{forrest:stylesheets}/changes2document.xml" /> </map:when> <map:when
test="changes-v13"> <map:transform src="{forrest:stylesheets}/changes2document.xml" />
</map:when> <map:when test="changes-v20"> <map:transform
src="{forrest:stylesheets}/changes2document.xml" /> </map:when> <map:otherwise />
</map:select> </map:act> </map:resource>
```

1.1. Definition of File-Resolver-Resource

```
<map:resource name="file-resolver"> <map:select type="exists"> <map:when
test="{project:content.xdocs}{uri}.ihtml"> <map:generate
src="{project:content.xdocs}{uri}.ihtml" type="html" /> <map:transform
src="{forrest:stylesheets}/html2document.xml" /> <map:transform type="idgen" />
<map:serialize type="xml-document"/> </map:when> <map:when
test="{project:content.xdocs}{uri}.html"> <map:generate
src="{project:content.xdocs}{uri}.html" type="html" /> <map:transform
src="{forrest:stylesheets}/html2document.xml" /> <map:transform type="idgen" />
<map:serialize type="xml-document"/> </map:when> <map:when
test="{project:content.xdocs}{uri}.txt"> <map:match type="regexp"
pattern="^(.*?)([/\]*).xml$" /> <map:generate type="text2xml"
src="{project:content.xdocs}{1}{2}.txt" /> <map:transform
src="{forrest:stylesheets}/text2document.xml" /> <map:parameter name="filename" value="{2}"
/> </map:transform> <map:serialize type="xml-document"/> </map:match> </map:when>
<map:otherwise> <map:select type="exists"> <map:when
test="{project:temp-dir}/input.xmap"> <map:mount uri-prefix=""
src="{project:temp-dir}/input.xmap" check-reload="yes" pass-through="true"/> </map:when>
</map:select> <map:generate src="{project:content.xdocs}{uri}.xml" /> <map:call
resource="transform-to-document"> <map:parameter name="src"
value="{project:content.xdocs}{uri}.xml" /> </map:call> <map:serialize
type="xml-document"/> </map:otherwise> </map:select> </map:resource> </map:resources>
<map:pipelines> <map:pipeline> <!--
===== --> <!--
INTERMEDIATE FORMATS --> <!--
===== -->
<map:match pattern="**body-*.html"> <map:select type="exists"> <map:when
test="{project:content.xdocs}{1}{2}.ehhtml"> <map:generate
src="{project:content.xdocs}{1}{2}.ehhtml" /> <map:transform
src="{forrest:stylesheets}/html2htmlbody.xml" /> <map:serialize type="xml" /> </map:when>
</map:select> </map:match> <!--
===== --> <!--
SOURCE FORMATS --> <!--
===== -->
```

1.2. Second Match for '**.xml'

```
<map:match pattern="**.xml"> <map:select type="config"> <map:parameter name="value"
value="{defaults:i18n}" /> <map:when test="true"> <map:act type="locale"> <map:call
resource="file-resolver"> <map:parameter name="uri" value="{../1}_{language}" />
```

```
</map:call> </map:act> </map:when> <map:otherwise> <map:call resource="file-resolver">  
<map:parameter name="uri" value="{1}"/> </map:call> </map:otherwise> </map:select>  
</map:match> </map:pipeline> </map:pipelines> </map:sitemap>
```