

# Selector

One of the [CocoonConditionals](#)

A selector allows simple control logic to be embedded inside a [Sitemap](#). Logic can be a simple if-then-else structure, or a switch statement. They are similar to Matcher in the tests they can perform, but are more flexible: matchers simply define whether a pipeline is evaluated or not (essentially a simple if statement). Selectors can drive processing down multiple routes.

There are several selectors available. These can perform similar operations to the equivalent matchers.

## Declaration

Selectors are declared in the sitemap, as follows:

```
<map:selectors default="browser">
  <map:selector name="load"
    src="org.apache.cocoon.selection.MachineLoadSelector">
    ...
  </map:selector>

  <map:selector name="user"
    src="org.apache.cocoon.selection.AuthenticationSelector">
    ...
  </map:selector>

  <map:selector name="browser"
    src="org.apache.cocoon.selection.BrowserSelector">
    <browser name="explorer" useragent="MSIE"/>
    <browser name="lynx" useragent="Lynx"/>
    <browser name="mozilla5" useragent="Mozilla/5"/>
    <browser name="mozilla5" useragent="Netscape6"/>
    <browser name="netscape" useragent="Mozilla"/>
    ...
  </map:selector>
</map:selectors>
```

Note the default attribute which defines the default selector for pipelines that don't explicitly define one.

## Usage

Example usage (note similarity with xsl:choose):

```
...
<map:match pattern="*">
  <map:generate type="serverpages" src="test/{1}.xsp"/>

  <map:select type="browser">
    <!-- you could insert parameters here as well -->
    <map:when test="explorer">
      <map:transform src="stylesheets/w3c-2-msie.xsl"/>
    </map:when>
    <map:when test="lynx">
      <map:transform src="stylesheets/dynamic-page2html-text.xsl"/>
      <map:serialize/>
    </map:when>
    <map:when test="netscape">
      <map:transform src="stylesheets/ns4.xsl"/>
    </map:when>
    <map:otherwise>
      <map:transform src="stylesheets/w3c.xsl"/>
    </map:otherwise>
  </map:select>

  <map:transform src="stylesheets/dynamic-page2html.xsl"/>
  <map:serialize/>
</map:match>
...
```

## Available Implementations

- Browser Selector – tests User-Agent HTTP header, to allow browser recognition
- Code Selector – uses a snippet of Java code to do the test
- [HostSelector](#) – tests the Host header in the request
- [ParameterSelector](#) – matches string against an internal sitemap parameter ??
- [HeaderSelector](#) – matches string against the request headers.
- [RequestParameterSelector](#) – matches string against the request parameters.
- Session Selector – matches string against a session parameter
- [SimpleSelector](#) – matches on string literals
- Cookie Selector – matches string against a cookie value
- See also [RequestParameterModule](#)