

# Advanced Control Flow (2.1 legacy document)

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**Warning:**

This document was copied as is from the Cocoon 2.1 documentation, but has not yet been fully reviewed or moved to its new home.

## 1. Sitemap

The Cocoon [Sitemap](#) provides two elements to specify interactions with your Flowscripts: [flow](#), and [call](#).

### 1.1. flow

The flow element defines a Flowscript interpreter for a sitemap. The language attribute specifies the target programming language. Currently the only supported language is "javascript". Its embedded script elements allow you to specify the files that make up the flow for this sitemap. Each script element specifies the URI of a script that will be compiled and executed when this Sitemap is created. The src attribute specifies the URI of the script.

```
<map:flow language="Language"> <map:script src="URI"/> </map:flow>
```

Example:

```
<map:flow language="javascript"> <map:script src="myApplication.js"/> </map:flow>
```

### 1.2. call

The call element allows you to call a top-level function in your Flowscript or to invoke an existing continuation.

#### 1.2.1. function

If the function attribute is present, then the Sitemap will invoke a top-level function defined in your Flowscript. The function attribute specifies the name of the function. Zero or more nested parameter elements may be provided to pass arguments to the function.

```
<map:call function="FunctionName"> <map:parameter name="Name" value="Value"/> *
</map:call>
```

Example:

```
<map:flow language="javascript"> <map:script src="myApplication.js"/> </map:flow>
<map:pipelines> <map:pipeline> <map:match pattern="index.html"> <map:call
function="showIndexPage"> <map:parameter name="paramName" value="Value"/>
</map:call> </map:match> </map:pipeline> </map:pipelines>
```

Then in myApplication.js you would define a JavaScript function called showIndexPage() such as:

```
function showIndexPage() { var param = cocoon.parameters.paramName;
sendPage("private/index.html", {param: param}); }
```

#### 1.2.2. continuation

If the continuation attribute is present, then the Sitemap will invoke an existing continuation of your Flowscript. The continuation attribute specifies the unique id of the continuation.

```
<map:call continuation="Id"/>
```

Example:

```
<map:match pattern="*.form"> <map:call continuation="{1}"/> </map:match>
```

## **1. Comments**

add your comments