

# Notifying Generator (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. Notifying Generator

The notifying generator creates XML content describing an error condition. When an error occurs in a pipeline with a defined an error handler, the sitemap manager activates the error generator, feeding it the cause of the error.

- Name : <notifier>
- Class: org.apache.cocoon.sitemap.NotifyingGenerator
- Cacheable: No.
- Mode: Sitemap internal

## 2. DTD

XML generated by notifying generator uses the namespace `http://apache.org/cocoon/error/2.0` and the error prefix.

Usually the error condition is described by a throwable object. The information of this throwable object is used by the error generator to produce the xml content. The various elements of the xml content include the following.

- The element `notify` is the root element, having attributes `type` and `sender`. The attribute `type` has fixed value `error`. The attribute `sender` describes the sender of the error notification object. In the current implementation, it has fixed value `org.apache.cocoon.sitemap.ErrorNotifier`.
- The element `title` stores the title of the error notification. In the current implementation, it has fixed value `Cocoon error`.
- The element `source` stores the class name of the throwable object of the error notification.
- The element `message` stores the `getMessage()` result of the throwable object of the error notification, and may be empty.
- The element `description` stores the `toString()` result of the throwable object of the error notification.
- Optional extra elements stores nested exceptions of the throwable object of the error notification.

```
<!ELEMENT notify (title, source, message, description, extra*)> <!-- notify type
CDATA #REQUIRED sender CDATA #REQUIRED --> <!-- ELEMENT title #PCDATA>
<!-- ELEMENT source #PCDATA> <!-- ELEMENT message #PCDATA> <!-- ELEMENT description
#PCDATA> <!-- ELEMENT extra #PCDATA> <!-- ATTLIST extra description #CDATA>
<!-- ELEMENT statusinfo (group|value)* -->
```

## 3. Example

The following example outputs the xml content of an error generator:

```
<?xml version="1.0" encoding="UTF-8"?> <error:notify error:type="error"
error:sender="org.apache.cocoon.sitemap.ErrorNotifier"
xmlns:error="http://apache.org/cocoon/error/2.0"> <error:title>Cocoon error</error:title>
<error:source>java.lang.NullPointerException</error:source>
<error:message></error:message> <error:description></error:description> <error:extra
description=""></error:extra> </error:notify>
```

### 1. Comments

add your comments