The TaskAction: Triggering a Task from the Sitemap

Overview document

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1 Declaring the Action

To invoke a task from a sitemap pipeline, you use a `TaskAction`. The task ID is handled to the action by a `task` parameter:

```
<map:components>
  ...
  <map:actions>
    <map:action name="publisher"
                src="org.lenya.cms.cocoon.acting.TaskAction">
      <task id="publish"/>
    </map:action>
  </map:actions>
  ...
</map:components>
```

The `TaskAction` collects the request parameters and forwards them to the task.

```
<map:match pattern="lenya/publish*">
  <map:act type="publisher">
    <map:redirect-to uri="{parent_uri}" session="true"/>
  </map:act>
  <map:redirect-to uri="publishScreen?status=failed" session="true"/>
</map:match>
```

You can also pass the task ID as a `task-id` parameter directly in the pipeline:

```
<map:actions>
  <map:action name="task" src="org.lenya.cms.cocoon.acting.TaskAction"/>
</map:actions>

...

<map:match pattern="lenya/publish*">
  <map:act type="task">
    <map:parameter name="task-id" value="publish-article"/>
    <map:redirect-to uri="{parent_uri}" session="true"/>
  </map:act>
  <map:redirect-to uri="publishScreen?status=failed" session="true"/>
</map:match>
```

2 Scheduling a Task

See section **Scheduler**.

3 Developing Your Own Tasks

Every task must implement the `org.lenya.cms.task.Task` interface.

The easiest way to develop your own task is to extend the `AbstractTask` class. Its `parameterize()` method simply replaces old parameter values with new ones. All you have to do is implementing the `execute(String contextPath)` method.

You may wonder why we pass the `contextPath` as a method parameter since we already pass it as a task parameter. This ensures that the task is always able to access the Lenya CMS directory, even if it is not created by a `TaskAction` or a `TaskJob`. Furthermore, if you enter a task in the `jobs.xml` file manually, you won't have to provide a hard-coded `servlet-context` parameter.

This feature may be subject to changes. If you have any suggestions to improve the task implementation, just contact me (Andreas Hartmann) at ah@wyona.org (mailto:ah@wyona.org) .