

Access Controllers

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1. Introduction

An access controller can be used to authenticate entities and to authorize requests.

2. Defining the Role in lenya.roles

```
<role name="org.apache.lenya.cms.ac2.AccessController"
      shorthand="access-controller"
      default-class="org.apache.lenya.cms.ac2.BypassableAccessController"/>
```

3. Declaring an AccessController in cocoon.xconf

Each AccessController component needs a type that is attached to the role attribute, separated with a slash (/). This allows you to choose an AccessController in your publication in combination with the Publication [AccessControllerResolver](#). The following example shows the declaration of an AccessController with the type *global*:

```
<component logger="lenya.ac.accesscontroller.global"
            class="org.apache.lenya.cms.ac2.BypassableAccessController"
            role="org.apache.lenya.cms.ac2.AccessController/global">
    ...
</component>
```

4. Default Access Controller

The DefaultAccessController combines an [Authenticator](#), a set of [Authorizers](#), an [AccreditableManager](#) and a [PolicyManager](#) to perform these tasks.

4.1. Declaring an DefaultAccessController in cocoon.xconf

The DefaultAccessController configuration includes the configuration of its sub-components, as you see in the following example:

```
<component logger="lenya.ac.accesscontroller.global"
            class="org.apache.lenya.cms.ac2.DefaultAccessController"
            role="org.apache.lenya.cms.ac2.AccessController/global">
```

```

<accreditable-manager type="file">
  <parameter name="directory"
    value="context:///lenya/config/ac/passwd"/>
</accreditable-manager>

<policy-manager type="file"/>

<authorizer type="policy"/>
<authorizer type="workflow"/>
<authorizer type="usecase"/>

</component>

```

5. Bypassable Access Controller

The `BypassableAccessController` is a `DefaultAccessController` that can be bypassed for certain URL patterns. For URLs that match those patterns (regular expressions), access is granted for free.

5.1. Declaring an `DefaultAccessController` in `cocoon.xconf`

In addition to the `DefaultAccessController`, the `BypassableAccessController` allows the definition of a regular expression for the public URL patterns:

```

<component logger="lenya.ac.accesscontroller.global"
  class="org.apache.lenya.cms.ac2.BypassableAccessController"
  role="org.apache.lenya.cms.ac2.AccessController/global">
  ...
  <public>.*[.]css|.*[.]jpg|.*[.]gif</public>
</component>

```