

# Reserved Checkout

by Edith Chevrier

## 1. Revision Controller

To check out a file call the method :

```
org.apache.lenya.cms.rc.RevisionController.reservedCheckOut(String source, String identity)
```

where the source is the path of the file from the publication and the identity is the identity of the user.

This method is called from the ReservedCheckoutAction.

## 2. The ReservedCheckoutAction

To invoke a reserved check out from a sitemap pipeline, you use The ReservedCheckoutAction.

```
<map:components>
  ...
  <map:actions>
    <map:action name="reserved-checkout"
src="org.apache.lenya.cms.cocoon.acting.ReservedCheckoutAction"
logger="sitemap.action.reserved-checkout"/>
  </map:actions>
  ...
</map:components>

<map:act type="reserved-checkout">
  <map:generate src="content/rc/{exception}.xsp" type="serverpages">
    <map:parameter name="user" value="{user}"/>
    <map:parameter name="filename" value="{filename}"/>
    <map:parameter name="date" value="{date}"/>
  </map:generate>
  <map:transform src="xslt/rc/rco-exception.xsl"/>
  <map:serialize/>
</map:act>
```

## 3. URL

The call

```
{document-URL}?lenya.usecase=checkout&lenya usecase.step=checkout
```

invokes a check-out of the document

## 4. The ReservedCheckoutTestAction

The ReservedCheckoutTestAction checks out a document only if this isn't already checked out

```
<map:components>
  ...
```

```

    <map:actions>
      <map:action name="reserved-checkout-test"
src="org.apache.lenya.cms.cocoon.acting.ReservedCheckoutTestAction"
logger="sitemap.action.reserved-checkout-test"/>
    </map:actions>
    ...
  </map:components>

  <map:act type="reserved-checkout-test">
    <map:generate type="serverpages" src="../../content/rc/{exception}.xsp">
      <map:parameter name="user" value="{user}"/>
      <map:parameter name="filename" value="{filename}"/>
      <map:parameter name="date" value="{date}"/>
    </map:generate>
    <map:transform src="../../xslt/rc/rco-exception.xsl"/>
    <map:serialize/>
  </map:act>

```

## 5. FileReservedCheckOutException

When the file cannot be checked out because another user has already checked it out, a fileReservedCheckOutException is thrown:

```

File Reserved Checkout Exception

Could not check out the file

Reason : The resource has already been checked out by another user
User: lenya
Date: Wed Oct 22 12:02:28 CEST 2003
Filename: /content/authoring/index/index_de.xml

```

The serverpage

```
cocoon-lenya/src/webapp/lenya/content/rc/fileReservedCheckOutException.xsp
```

generates the xml which will be transformed with

```
cocoon-lenya/src/webapp/lenya/xslt/rc/rco-exception.xsl
```

## 6. Exception

The errors are caught as generic Exception

```

Generic Exception

Check the log files :-)
Filename: /content/authoring/malaVida/index_de.xml

```

The serverpage

```
cocoon-lenya/src/webapp/lenya/content/rc/exception.xsp
```

generates the xml which will be transformed with

```
cocoon-lenya/src/webapp/lenya/xslt/rc/rco-exception.xsl
```