

# Reserved Checkout

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## 1. Revision Controller

To check out a file call the method :

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

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.a
</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.coc
  </map:actions>
  ...
</map:components>

<map:act type="reserved-checkout-test">
  <map:generate type="serverpages" src="../../content/rc/{exception}.xs
    <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
```

## *Reserved Checkout*

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
```