

# The resource Module

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## 1. Introduction

The resource module contains the "resource" resource type, it allows to store arbitrary media documents.

## 2. Installation

1. Declare the module in the `<modules />` section of `$PUB_HOME/config/publication.xml`:

```
<module name="resource" />
```

2. Assign a workflow schema to the resource type in `$PUB_HOME/config/publication.xml`:

```
<resource-type name="resource" workflow="fallback://config/workflow/workflow.xml" />
```

3. Define the usecase policies in `$PUB_HOME/config/access-control/usecase-policies.xml` (or use the usecase administration GUI):

```
<usecase id="resource.create">
  <role id="admin"/>
  <role id="edit"/>
</usecase>
<usecase id="resource.upload">
  <role id="admin"/>
  <role id="edit"/>
</usecase>
```

## 3. Headless Mode

Options:

- <http://www.idautomation.com/kb/xwindow-error.html>
- <http://www.jguru.com/faq/view.jsp?EID=222296>
- try `java.awt.headless=true` in the case of Java 1.4
- run X server:

```
Virtual framebuffer X server:
Installation instructions for debian

apt-get install xvfb
apt-get install xlibs
apt-get install xfonts-base

nohup Xvfb :0 -screen 0 1024x786x16 &
export DISPLAY=:0
```

Also you might want to add `export DISPLAY=:0` in `lenya.sh`, such that the `DISPLAY` variable is set during startup of Jetty, e.g.

```
# ----- Verify and Set Required Environment Variables -----
if [ "$DISPLAY" = "" ] ; then
export DISPLAY=:0
```

fi

## 4. Resource Icons

This module provides only one complete icon (the default one) out of the box. The default icon (`default_med.gif`) is a question mark. An "empty" version of this icon (without the question mark) can be found in the core (`webapp/lenya/resources/images/icons/empty-icon.png`). For all file extensions with no corresponding icon, an icon is generated dynamically by adding the first three letters of the extension as a label to the empty icon.

If you can provide icons with a ASF style license we are happy to add them to the module.

If you want your own set of icons, then please add them to  
`$PUB_HOME/lenya/modules/resource/resources/icons/`.

You can download and extract e.g. the icon package from Wyona in your publication:

```
https://svn.wyona.com/repos/public/lenya/modules-resource-icons.tar
user: anonymous
pass: anonymous
```

Have fun!