

# Placing Resources

- [In the filesystem below the Confluence Install](#)
- [In the filesystem outside the Confluence install](#)
- [In a resource page or space](#)
- [On a\(nother\) static Webserver](#)

Every Site typically needs a lot of resources for styling, that being Images, JavaScript files, CSS Files etc etc.

You have several options for placing these:

## In the filesystem below the Confluence Install

This is typically a bad idea 🗨 as it required filesystem access to the Confluence server, and every upgrade removes the files backing them up to a zip file

## In the filesystem outside the Confluence install

This is a better idea, as the upgrade does not touch the files, but 2 steps are required (and has to be repeated after upgrades):

### Allow Tomcat to get files outside the TOMCAT home

The server.xml file has to be changed adding the allowedLinked parameter:

```
<Context path="" docBase="../../confluence" debug="0" reloadable="false" useHttpOnly="true" allowLinking="true">
```

### Making one or more SymLinks to the resources

This could be similar to:

```
cd CONFLUENCE_HOME/confluence/  
ln -s /data/staticresources staticressouces
```

Hence, the resources can be reached at <http://www.mysite.dk/staticresources/mycss.css>

Still, filesystemaccess and post-upgrade tasks are required 🗨



The symbolic link(s) should be removed before upgrading via the binary installer, as this see all files under the symlink as changed files in the installation. After upgrade, this symlink can be reestablished

## In a resource page or space

Why not place all the needed resources in a page or as pace in many resources will be needed - this can be for each space where they are needed, or a dedicated resource space.

Create a space or page called "resources" and attach all needed files to the space's homepage

This has several advantages, as it is 100% GUI reachable and upgrades does not affect the attachments it anyway. 👍

Also, Attachment are version controlled, making changes, testing and possible rollbacks much easier 👍

Do notice, that the space and the resources attached to the space has to be reachable to all users (maybe including anonymous also) - but You can include a custom redirect on the page or space home- and pages for users, see [Using the Customware Redirection Plugin](#)

This is a sample of my Resource Page for Mos-Eisley:

Dashboard - Home - resources

Browse - Normann P. Nielsen - Search

**resources** Edit Share Add Tools

19 Added by Normann P. Nielsen, last edited by Normann P. Nielsen on 26-01-2013 (view change)

**Attachments**




Mos-Eisley



Whisperer 13 Mos-Eisley 04



Mos-Eisley




Name	Size	Creator
EndomondoLogo.jpg	11 kB	Normann P. N
ExternalLinkArrows.jpeg	7 kB	Normann P. N
Facebook.jpg	10 kB	Normann P. N
GooglePlus.jpg	7 kB	Normann P. N
Ironman-header.jpg	114 kB	Normann P. N
Ironman-space.jpg	3 kB	Normann P. N
JIRALogo.jpg	4 kB	Normann P. N
jquery.zoom.js	4 kB	Normann P. N
Logo-200px.jpeg	5 kB	Normann P. N
Minecraft.jpg	15 kB	Normann P. N
npm.jpg	11 kB	Normann P. N
SpaceImage.jpeg	73 kB	Normann P. N
Schlunk_Logo.gif	2 kB	Normann P. N
teaser_old.png	167 kB	Normann P. N
teaser.png	219 kB	Normann P. N
top_gui.jpg	10 kB	Normann P. N
top.jpg	15 kB	Normann P. N
YellowNote.jpg	17 kB	Normann P. N
YouTubeLogo.jpg	10 kB	Normann P. N

## On a(nother) static Webserver

You could have the static files on another webserver, but this leaves out the niceness regarding versioning and 100% GUI styling.