F.A.Q - Installation and use of the ESUP WebDAV server

F.A.Q - Installation and use of the ESUP WebDAV server

**

Auteur : Thomas Bellembois ([University of Rennes
1|http://http://www.univ-rennes1.fr])

Server

I can not connect to the server or the access is

forbidden
This is often because the authentication layer is not well configured or you are not allowed to access the resource. Configure carefully your build.properties
file.

Watch the server logs - a successfull request is like :

```
TP-Processor51, 03-mars-2006 11:11:48, bourges, PROPFIND, 207 "Multi-Status", 7 ms, /files/injac/res_proj_cri/
```

- *bourges* is the connected user - if it is written *unauthenticated*, either you access the server using the unauthenticated mode or you authentication
  layer is not well configured. Note that while accessing an inJAC space the ESUP channel storage use a special user with root privileges.
- *PROPFIND* is the WebDAV request
- *207* HTTP response - it could be for example a 507 (quota exceeded) or 403 (forbidden) response
- */files/injac/res_proj_cri/* is the resource URI
  If you have problems with just some webdav clients, look at [Recommended configuration
  section of Installation chapter|ESUPWDServerV4_installation.html#7.8]

How to resolve the encodage problems ?

In order to resolve the encodage problems, you must specify the encodage needed at the server.

```
setenv LANG "fr_FR.utf8"
setenv LANGUAGE "fr_FR.utf8"
```

Administration tool

What about the cl parameter of the run script ?

A long time ago, in a galaxy far far away, the administration client was designed to be run using a graphical user interface or a command-line mode.

The G.U.I. had to be run using the

run.* -gr

command and the command-line mode using the

run.* -cl

command.

But only the command-line mode is currently implemented.

I have created homedirs but I can not access them

It is often due to a wrong pattern file. You will find a good sample file in the user guide.

Miscellaneous questions

Sometimes the quota is exceeded while uploading a file ? What is

wrong ?
Nothing is wrong. The ESUP WebDAV server has a **soft** quota management system. It means that a quota can be exceeded *at most 1 time*.

The killing question is : "Why having developped such a quota management system ?"

We did not intend to develop a soft quota management system. The problem is that the quota listener relies on the content-length HTTP header to check if a resource to put/copied/moved on the server will leads to an overquota. But the content-length HTTP header is optionnal and in this way, the listener can not check the overquota "on the fly" and just check if the quota was already exceeded just before the action in progress.

Can one use another Tomcat server than that provided in

package?
One can use another Tomcat server than that provided in package. Nevertheless, one must modify the server.xml file of Tomcat. (The additions are in bold)

```
<Connector port="8080"
maxThreads="150" minSpareThreads="25" maxSpareThreads="75"
enableLookups="false" redirectPort="8443" acceptCount="100"
debug="0" connectionTimeout="20000"
disableUploadTimeout="true"
URIEncoding="UTF-8"/>

<Connector port="8009"
enableLookups="false" redirectPort="8443" debug="0"
protocol="AJP/1.3" URIEncoding="UTF-8"/>
```

Different WebDAV clients

- [Windows
  XP WebFolders|http://jakarta.apache.org/slide/xp.html]
- [MacOS X
  WebDAV client|http://jakarta.apache.org/slide/osx.html]
- [Slide
  command line client|http://jakarta.apache.org/slide/webdav-client.html]
- EasyWebdav
- DAVExplorer

Links

- http://wiki.apache.org/jakarta-slide/
- http://www.esup-portail.org/consortium/espace/Stockage_2F/serveur/serveur_V2/installation.htm