

Readme

What is URLib?

This is a digital library intended for the Internet users.

Its collection is distributed all over the net. The documents in the collection are deposited in the so-called repositories. Every user has in his file system the repositories/documents of interest and upon request he can install new copies of existing repositories/documents or make up new repositories to deposit his own documents.

It is called Uniform Repository Library, or in short URLib, because its collection is organized along the concept of uniform repository (UR). An UR is a sequence of four directories which serves to uniquely specify the location of a file (or a directory). The repositories are said uniform because they are made by using the same construction rule all over the net.

The chief URLib objective is to allow using relative (instead of absolute) links. In this way, if a repository/document is copied or moved from one place to another, none of the links would have to be updated.

In the case of an html document, for example, a link from that document to another one is a relative pathname beginning with : "../".

With this feature, the documents from the digital library collection can be easily integrated into CD-ROMs.

The syntax of an UR is:

<domainname>/<login-id>/<year>/<month>.<day>.<hour>.<minute>.[<second>]

In order to guarantee that the above path corresponds to an UR, the following rules have to be observed:

1. the time interval between the extinction of an "login-id" and the creation of the same one within a given "domainname" must be greater than or equal to one minute;
2. only one "login-id" must be active at a time (because of the one second sleep sometimes needed before making up a new repository);
3. for the same "domainname" and "login-id" only one URLib service must be used during the same minute.

#### REPOSITORY CREATION RULE

In order to respect copyrights and not to duplicate entries, ONLY copyright holders should make up URs. In other words, the people who may make them up are:

- the first author of a piece of work (if the copyright has not been transferred to a publisher or with the permission of the publisher);
- the coauthor of a piece of work when replacing the first author and with his permission;
- the publisher of a piece of work (once the copyright has been transferred by its author(s));
- someone with the permission of a copyright holder;

- someone who is lending his name to a copyright holder.

#### OBSERVATION

Depending on the copyright policy exclusivity, after the copyright transfer, the original UR will be or not removed. We note that removal just makes sense if the UR has never be sent.

#### LIBRARY SERVICE

To know about the library service available, please see the `library_service/Readme` directory.

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"Toute oeuvre est l'oeuvre de bien d'autres choses qu'un "auteur"  
Paul Vale'ry (1871-1945)

(Le Monde, Selection Hebdomadaire Edition Internationale, Jeudi 27/7/95, p.10)

"Toda obra e' a obra de muitas outras coisas ale'm de um "autor"  
(traducao por G. J. F. Banon e M. A. Carvalho)

"Any work is the work of many more things than just an "author"  
(translation by G. J. F. Banon e M. A. Carvalho)

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