How to keep a Virtual Library Active ?



Mannina B., Quoniam L., Rostaing H. CRRM http://crrm.univ-mrs.fr

Hold a Virtual Library Active ? The different methods.

Manual

The Webmaster must find new links to add.

Semi-Automatic

Somebody use a CGI program to add a new link, and the Webmaster must verify this new link.

Automatic

The Webmaster must configure only once the software for create the new Virtual Library.



Manual Method











Internet





Congress





Book

News









WebMaster Virtual Library

Add a new link to the Virtual Library

(WWW)

Mailing List









Manual Method

Advantage

- Internet Links are relevant.
- The Webmaster choose only relevant Internet Links.

Disadvantage

- The Webmaster must test frequently the new and the old internet link.
- The Virtual Library depends on the time that the webmaster allocate to it.
- The Internet Links are not exhaustive.

Update

• Once a Week

Time spended

• Frequently



Semi-Automatic Method

Semi-Automatic - STEP 1/3

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HomePage of the Virtual Library CGI link "Add Your Ressources"

Semi-Automatic - STEP 2/3

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Common Gateway Interface (CGI) "Add Your Ressources "

Semi-Automatic - STEP 3/3



WebMaster : Verification of the new Internet Link.

Add a new Internet Link in the Virtual Library

Hold a Virtual Library Semi-Automatic

Advantage

- Internet Links are relevant.
- The new link does not only come from the Webmaster.

Disadvantages

- The Webmaster must test all the new internet links.
- The webmaster must also test the old internet links.
- The internet links are not exhaustive.
- A lot of new internet links are not relevant, the webmaster must cancel them.

Update

• Once a Week

Time spended

• 1 Hour a Week

CRRM Experience

For 10 New links every month:

- -7 links are not relevant.
- 2 links are relevant.
- And 1 link is very relevant.



Automatic Method

Automatic - STEP 1/3

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Configuration of the Research

Automatic - STEP 2/3

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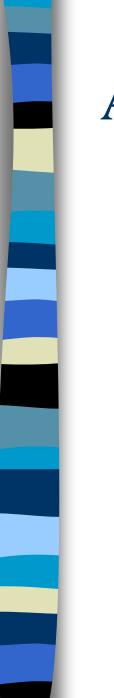
New Virtual Library Automatic

Result of the new Virtual Library

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Selectionnés / Total	749 / 4138
Non Selectionnés & Taille	3389 / 364
Erreurs	622
Autres (Domaine, Protocol)	71

749 urls selected for 4138 urls visited (Depth 2)



Automatic - STEP 3/3



WebMaster do a Low Verification

Add a new Virtual Library

Hold a Virtual Library Automatic

Advantage

- Internet Links are relevant.
- Saving lot of time.
- Update is quickly realised.
- Update can be also automatic.
- The exhaustivity is nearly total.

Disadvantage

- The webmaster must choose the good keywords for the research to have a relevant library.
- Virtual Library is an instantaneous picture of the web.

Update

Once a Month

Time spended

• Five Minutes a Month

CRRM Experience

- More than 700 results (~300 hosts).
- Friendly user-interface
- Possibilities of new process with the virtual library result (bibliometrics process).
- Easy to update.



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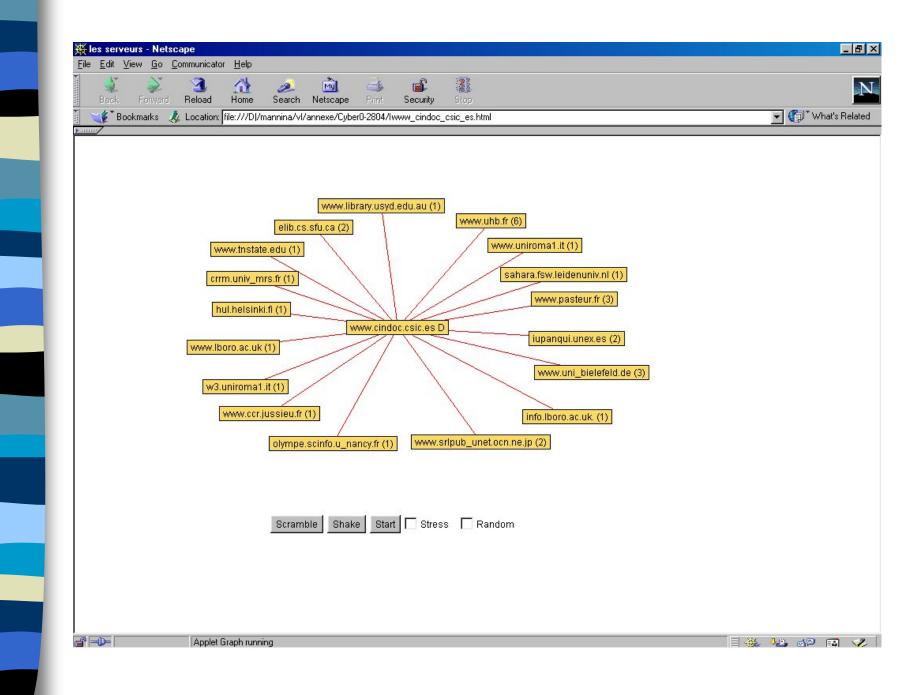
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