NetCacheResolver 0.9d7 (February 5, 1999)

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This program is freeware.

About this NetCacheResolver

NetCacheResolver is a helper program to my AppleScript application NetCacheBack, that works to resolve the encapsulated cache files of Netscape Navigator 1.1N thru 4.5. Among these versions of Navigators, there comes about some changes in the record format of cache log database. NetCacheResolver can convert the 2.0's thru 4.5's CCache log database to an 1.1N-styled Cache log database. NetCacheResolver is an AppleScriptable application, that works as a server program to NetCacheBack client application, and can respond to send back the resulted records to it.

To run NetCacheResolver, it requires System 7.5 or later that holds the scriptable Finder and a set of Scripting Additions. The whole source code of NetCacheResolver is released free in public.

*** IMPORTANT NOTICE ***

For the users of Netscape Navigator 2.0, please notice that my reverse-engineering on the cache log database may not be a perfect work. I wonder the format of database will be changed in the future versions of beta or final release of 2.0's. Even if so, I am catching up with the new frontier of Navigators as possible. Please keep up on the future release of my helper program NetCacheResolver for the possibly coming new cache log databases. (as of October 15, 1995)

At the beginning of the year 1999, the cache log database of Navigator must have changed in its record format that made NetCacheResolver to fail in retrieving the records. For more information, please see the revision history below. (as of February 5, 1999)

How to use NetCacheResolver

There are three ways to retrieve the proper records from the Cache log database of Navigator 2.0 thru 4.5.

(1) Open the "CCache log" file by executing the **Open...** command of **File** menu.
After the operation on CCache log file of Navigator 2.0 thru 4.5, you will get an 1.1N-styled database file, named "Cache log", in the same folder as CCache log file.

(2) Drag and drop the "CCache log" file onto the NetCacheResolver application icon.
Select the CCache log file in Finder and drop it on the NetCacheResolver icon. Then you will get a "Cache log" file of Navigator 1.1N's in the same folder.

(3) Send an AppleScript command "**resolve**" to NetCacheResolver.

The following example shows how to select the CCache log file and invoke the "**resolve**" command of NetCacheResolver with arguments of a source database and a sorting method. NetCacheResolver will return a list of records that is composed of TAB-separated fields with creation date, cache name, actural url, file size, file type, and others.

```
set aCachelog to (choose file of type {"DBMC"})
tell application "NetCacheResolver"
    resolve aCachelog with sorted by date
    copy the result to aCacheRecordList
    quit
end tell
```

AppleScript Commands of NetCacheResolver

Required Suite:
```
open  alias   -- Resolve the CCache log and create Cache log
print  alias  -- (do nothing)
run           -- Sent to an application when it is double-clicked
quit          -- Quit application
```

NetCacheResolver:
```
resolve  alias  -- Resolve the CCache log file(s)
    [with sorted by  name/date/size/type/url]
    Result:   list  -- list of resolved records
sort  list  -- the list of items to sort, Cache log Record
    [at  integer]  -- field number, beginning with 1
    [by  name/date/size/type/url]  -- by sorting method
    [in  regular/reverse]  -- order form
    [as  alphabet/number]  -- evaluating type
    [with  string]  -- field separator, eg. space or tab
    Result:   list  -- the list of sorted items
view  bySmallIcon/byIcon/byName/byDate/bySize/byKind/byComment/byLabel/byVersion
    -- no operation, definitions only; for the constants of view selected for the window
show about  -- Show about this application
```

Revision history
• version 0.9d7, February 5, 1999.

- At the beginning of the year 1999, the cache log database of Navigator must have changed in its record format that made NetCacheResolver to fail in retrieving the records. Thank you Andy Gaffney for noticing me of this problem and encouraging me to make a renewal version. For some technical details, the problem was caused by the new record composition that lacks two special fields from the previous one. Now, NetCacheResolver can do with the records properly among the versions of Navigators 2.0 thru 4.5.

- For the new format of cache database, I am still in a mystery, though. ;-) There must be two types of record for the Navigator's cache databases. The one is type 3 (I just call it here) for the previous, and type 5 for the current. Well, when and how this record format did change?

• version 0.9d6, May 12, 1996.
- Yesterday (oh, what is it today? :-), I encountered an Unidentified Field Object in the CCache log database. This latent field, which I called "export", was an unexpected one, though I think most users may not have being suffered from it. NetCacheResolver failed to resolve it properly. Fixed.

• version 0.9d5, October 26, 1995.
- Some rare cases may happen that a record of cache database has an extraordinay entity whose field name is "content-type". Have you ever in the Web world met with them? NetCacheResolver missed to catch it. Fixed.

• version 0.9d4, October 22, 1995.
- Now, NetCacheResolver can return the list of cache log records in the specified order sorted by Name, Date, Size, or others. Due to sorting the record before querying, NetCacheBack's search method becomes much simple and more rapid on querying the database. Typically it runs over 2 to 20 times faster than the previous version.

• version 0.9d3, October 15, 1995.
- The first public release of the program.

The package includes...
   1. NetCacheResolver.PPC   -- application program in PowerPC code
   2. NetCacheResolver.68K   -- application program in 68K code
   3. NetCacheResolver readme -- just this file you are reading
   4. NetCacheResolver readme.pdf -- PDF version of this readme file
   5. NetCacheResolver source   -- source code in C with CodeWarrior Pro 4 project
This is a freeware program. You can distribute it without any limitations nor permissions.

About the NetCacheBack...
NetCacheBack can resolve the cache files of Netscape Navigator 1.1N thru 4.5's. Just drag and drop cache files, like "cache123000.html", in the Cache folder of Navigator on the NetCacheBack application icon. That's all what you have to do. Then they are renamed to a real name like "index.html" and moved to the right place in the right folder. If a folder does not exist, it will be created automatically. Let me show the process in brief as follows;
   [currentFolder]:cache123000.html
   --> [currentFolder]:home.netscape.com:home:index.html
If you are using the Netscape Navigator 2.0 thru 4.5, NetCacheBack will retrieve the Cache log data from the CCache log database with the help of our NetCacheResolver. For more information and its source code, please check my WWW page on Macintosh software.

About the author

If you have any questions, remarks or problems, please feel free to contact me via e-mail;
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The latest versions of my software are available at my following WWW page;
  <http://www.bekkoame.ne.jp/~mizutori/software/catalog.html>
  <http://www.bekkoame.ne.jp/~mizutori/java/>

Who am I

No news is good news.
No plans is a good plan!
No idea is a good idea?

And,
No program is ...
   a good program.

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