

681e9630-0

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Chapter 1

681e9630-0

1.1 AWebResume 1.00 Documentation

AWebResume 1.00 © 1999 Duane McDonnell

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1.2 Introduction

INTRODUCTION

AWebResume is a system snooper which integrates HTTP resume support into AWeb. It does this by interfacing AWeb and an HTTP resumption program so that interrupted downloads can be both detected and resumed in a seamless fashion.

This version of AWebResume is designed for use with AWeb-II 3.2 (demo and registered).

AWebResume features:

- Automatic detection of interrupted downloads.
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- Overrides AWeb's "incomplete file" requesters to give you the option to retry, resume, delete or retain a partially downloaded file.
- Filters interrupted downloads to prevent requesters appearing for specific file extensions, etc.
- Retrieval of stubborn files via your e-mail account.
- Prevents AWeb from deleting partially downloaded files without asking.
- Opening of download files in shared mode so that other programs can read files as AWeb downloads them (useful for checking an archive's contents before a download has completed or for previewing files).
- Automated download resumptions for ARexx initiated transfers (for unattended operations).
- Locale support where possible (uses AWeb's catalog if the same or similar strings are available for an output message, this includes the majority of AWebResume's non-error output messages).
- Fast, transparent snooping. You won't notice any degradation in AWeb's performance or network transfer rates with AWebResume installed.
- Does not patch or otherwise modify your original AWeb files.
- Fully configurable. Features can be individually enabled or disabled according to your requirements.

To use the software you will need an HTTP retrieval program with resume support. AWebResume comes configured to use HTTPResume by Andriya Antonijevic. HTTPResume is not included as part of the AWebResume distribution archive (you can obtain it from Aminet directory comm/www).

1.3 Acknowledgements

ACKNOWLEDGEMENTS

AWeb-II is copyright © Yvon Rozijn and is distributed by Amitrix Development.

HTTPResume is copyright © Andriya Antonijevic.

The author would like to thank the following people for their assistance during the development of AWebResume:

Andriya Antonijevic, Gabriele Favrin, Magnus Holmgren, Ian Lightbody, Jim Noble, William Parker.

1.4 Installation

INSTALLATION

Users of the popular ReqChange requester patch program should read this

important~~information
before installing AWebResume.

Step 1

Copy AWebResume and AWebResume.info to the same directory where you have the AWeb executable installed. Shell users may omit the .info file if they like. Workbench users might like to select an alternative icon from the ExtraIcons/ directory of this archive.

Step 2

Copy AWebResume.cfg to ENVARC:AWeb3/.

Step 3

Modify S:User-Startup by adding the following line after AWeb's installation block:

```
AWebResume >NIL:
```

Important:

AWebResume installs pass-through patches on various system functions. If you have other patches installed there is a possibility they may also patch some of the same functions which AWebResume patches. This is usually not a problem with pass-through type patches, however replacement patches (those which divert a function to another function entirely) can cause problems. Replacement type patches must always be installed before pass-through type patches. The easiest way to ensure this is to install AWebResume as far down in your S:User-Startup file as possible, after any other patch programs.

Step 4

Reboot the system.

You should now

configure~AWebResume
to suit your requirements.

1.5 ReqChange Warning

REQCHANGE WARNING

During development of AWebResume a bug was detected in the commonly used ReqChange package which prevented AWebResume from functioning correctly. The author, Magnus Holmgren, has kindly allowed me to distribute an

updated version of reqchange.library which allows AWebResume and ReqChange to co-exist provided certain guidelines are followed.

AWebResume installs pass-through patches on some asl.library functions which ReqChange also patches. However, ReqChange's patches are not of the pass-through type, rather they replace the function entirely. As a result of this, ReqChange (StartRC) must be installed first followed by AWebResume. Since AWebResume installs pass-through patches, control flow passes to ReqChange once AWebResume's patch code has run, then ReqChange diverts to its replacement functions (reqtools.library equivalents of asl.library functions). Installing the two programs in the wrong order (or indeed, any other replacement type patch program which patches functions also patched by AWebResume) will cause AWebResume's patch code to be by-passed thereby preventing correct operation.

You should copy the beta update of reqchange.library included in the ReqChangeUpdate/ directory of this archive to your Libs: directory before proceeding with the installation of AWebResume (if you have a version of ReqChange higher than 3.14 you can skip this step; at the time of release ReqChange 3.14 was the latest version available but Magnus had plans to release a non-beta update on Aminet).

You should also read the following information provided by Magnus which relates to the updated version of reqchange.library supplied as part of the AWebResume distribution.

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This is an updated version of reqchange.library that fixes a problem in ReqChange 3.14. However, please note that this is still a beta version; there seems to still be a problem in the patch removal code. However, if you don't intend to uninstall the ReqChange patches, this should not be a problem for you.

I have given permission to Duane McDonnell to include this version of reqchange.library, since AWebResume does not work with ReqChange installed without this update.

Please note that this version of ReqChange can cause some problems for SetMan. However, this cannot be avoided, since it is caused by a limitation in SetMan. I don't know the full extent of these problems; they could be limited to the patch list presented by SetManager.

TRSaferPatches is a similar program without this limitation, so you might consider using that instead. I do not know how other programs, similar to SetMan and TRSaferPatches, handles this case, so I can't comment on them.

If you have any questions about this update, feel free to contact me.

Magnus Holmgren
lear@algonet.se

1.6 Author/Contact

AUTHOR/CONTACT

AWebResume was developed by Duane McDonnell.

Bug-reports, comments or questions can be sent to:

tachyon@tolstoi.saccii.net.au

1.7 Requirements

REQUIREMENTS

- AWeb-II 3.2 demo or registered (3.1 will also work with this version of AWebResume, however it is not actively supported).
- An external program to handle HTTP resumptions (HTTPResume is recommended; you can obtain a copy from Aminet directory comm/www).
- Kickstart 39 (OS 3.0) or higher.
- Any 680x0 CPU.
- At least 2MB of memory.
- A TCP/IP stack supported by both AWeb-II and your chosen resume program. AWebResume's snooper supports all stacks supported by AWeb-II (Miami, AmiTCP/Genesis, TermiteTCP, I-Net225, etc).

1.8 Distribution

DISTRIBUTION

AWebResume is released as FreeWare. You are permitted to charge a nominal fee to cover duplication and distribution costs but no profit is to be made on the sale of this software. The software must not be altered in any way (except for changes to the archival format) and it must be distributed in full.

The software and all distribution components remain the property of the author however you may freely use the software in either a commercial or non-commercial environment.

Whilst every effort has been made to ensure that this software is fit for its intended purpose, no guarantee of any kind can be given, nor can the author be held liable for any loss and/or damage resulting from the use of this software.

Use of this software signals your acceptance of these terms.

1.9 Configuration

CONFIGURATION

AWebResume can be configured according to your personal requirements. The configuration file is a text file which you can edit using a standard text editor such as Ed. The configuration file is called AWebResume.cfg and resides in directory ENVARC:AWeb3/ (do not configure the run-time copy stored in ENV:AWeb3/).

At this stage it is recommended that you load the configuration file into a text editor and read the comments which describe the various options. The options are not repeated here as they are best documented in the configuration file so that all relevant information can be kept together.

You may change AWebResume's configuration file at any time. If AWebResume is installed and running in the background it will automatically update its configuration buffer when you modify the configuration file as it sets up a file notification (provided the device where ENVARC: resides supports notifications). AWebResume also sets up file notifications on AWeb's configuration files (also stored in ENVARC:AWeb3/) so you can update AWeb's settings at any time and AWebResume will adjust to these settings too (do not modify AWeb's settings using a text editor though, use AWeb's configuration interface).

1.10 Usage

USAGE

AWebResume was designed to be as transparent to the user as possible. For this reason you usually won't notice anything different about AWeb's behaviour unless an event occurs which requires AWebResume to issue user feedback in the form of a requester.

The intention of this section is to give you a brief overview of user feedback changes you might notice with AWebResume installed.

The most obvious change you will notice with AWebResume installed is the different "Incomplete file!" requesters generated when an interrupted file is detected when ResumeEnable is set to 1 in the configuration file.

The extra Resume gadget will invoke the configured HTTP resumption program to collect the remaining part of the file. In some cases this gadget will instead read as Select. This occurs when you have not specified a download filename for the URL which failed. Choosing Select will invoke a file requester so that you can either select an existing file or type in a new filename. Once the filename is given this option continues as if it were a normal resumption. Note that resumptions will not appear in AWeb's network status window since AWeb is not responsible for the network traffic required to resume a file.

The Delete gadget will delete an unsuccessful download while Retain will prevent AWeb from deleting a partially downloaded file. Retry will re-submit a URL to AWeb to attempt to download again (note that you will lose whatever part of the file you have already downloaded).

If MailEnable is set to 1 in the configuration file you will also get a Mail gadget to choose from. This option allows you to retrieve a file via your e-mail account using a service provided by downloadslave.com. The configuration file describes how to establish your free account. Further information about this service is available by visiting <http://www.downloadslave.com>.

One unusual thing which you might notice with ResumeEnable set to 1 is what is known as a requester "override". Sometimes AWeb generates its own requesters for interrupted files, and sometimes it doesn't. When AWeb chooses to display its own requester AWebResume will override it. It does this because AWebResume's requester offers more options so the normal AWeb requester becomes redundant. To avoid user confusion arising from having two requesters on screen which both refer to the same URL, AWebResume will quietly cancel AWeb's requester.