HTTPResume_english

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COLLABORATORS

	TITLE : HTTPResume_english		
ACTION	NAME	DATE	SIGNATURE
WRITTEN BY	Andrija Antonijevic	January 19, 2025	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

HTTPResume_english

1.1   Welcome to HTTPResume

HTTPResume 1.7 Dedicated to my father, may he rest in peace

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Legal stuff Lawyers enjoy reading this... Introduction What is this thing anyway? Features What can it do? Requirements What do I need to use this? Giftware No comment... Installation How to install... Usage Please read this ARexx ARexx commands Tips & tricks How to use it better Bugs Just call the exterminators ;> Credits Credit where credit's due History And on the first day... Author No comment...

1.2   Usage

HTTPResume can be started from CLI or from Workbench. When it gets started, it will first parse the arguments you supplied and then read ENV variable HTTPResume.opts and analyse its contents. You could do something like

SetEnv HTTPResume.opts STARTDIR=DL: PROXY=http://some.proxy.com:8080 Copy ENV:HTTPResume.opts ENVARC:

and you won't need to always type PROXY nor STARTDIR in command line. Command line arguments/tooltypes have higher priority then ENV variable! I.e. if you supply PROXY in ENV variable and in argument/tooltype the latter will be used.

GUI is pretty simple. String gadgets URL, File, Proxy, Range and GMT[Offset] should contain neccessary data. "<" button gadget next to URL string gadget copies text from clipboard to URL. There's a getfile gadget which calls ASL file requester in which you can set output file name. Starting with v1.3, you can use menus to quickly change some settings. When you change filename (even if URL field is not empty!), HTTPResume will check if file has comment which starts with valid protocol and if it does it will copy that comment to the URL field. Also, if you have only directory name in the outfile field (set, for example using STARTDIR tooltype/argument) HTTPResume will try to figure out the name of the file from URL (if there is one). This "smart" behaviour is used if you start HTTPResume from CLI and if you start it from WB. Also, if you double-click into outfile string gadget, outfile field will be reconstructed using STARTDIR and current filename from URL. If you start it from WB, HTTPResume will only behave this way if you press Return or [SHIFT-]TAB to confirm your input.

When you've set everything, you can click on Start. When you click on Start, HTTPResume will check validity of the arguments supplied and (if everything is OK) see if it needs to find out the size of file. If the file exists and OVERWRITE is not set HTTPResume will try to find the file date and if it does it will ask server to send rest of the file only if it hasn't been modified since you downloaded the first part. You can change this behaviour by setting the icon tooltype NODATECHECK (if started from WB) or by specifying NODATECHECK in command line (if started from CLI). When this is done, HTTPResume will try to connect to the host/proxy and get the requested URL. If an error occurs, HTTPResume will (depending on the value of AUTORESUME) either fail or try again (waiting specified number of seconds between retries) until maximum number of retries is reached. During the download you should be able to see transfer progress. When the download is finished, the Range field will be cleared even if an error occured because otherwise it can cause file to be downloaded improperly.

Please read version history since it has some information that might not be present in other parts of the documentation. You might also want to read tips & tricks section to find out how to use HTTPResume easier and better.

Final words: Please keep in mind that this program is primarily ment to be used for resuming downloads, and not for complete downloads. It can be used as HTTPGet, but only when OVERWRITE is used.

1.3 Author

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1.4 History

History

1.7 1.6 1.5 1.4 1.3 1.2 1.1 1.0

1.5 v1.7

· 1.7 (25.8.99)

Well, it's been a while... Anyway, new version is here and in it:

· HTTPS support with and without proxy (direct or through SSL tunnel). HTTPResume supports MiamiSSL and AmiSSL (the latter is available from my homepage). Also, new option: SSL to force it to use one of these two SSL packages.

· New option: AUTOREFERER to automatically change and send Referer: field with every request. This has become neccesary since many sites now allow download from their site only if request for the file has appropriate Referer: field, otherwise they usually redirect you to their main page (Ljubomir Jankovic)

· HTTPResume window is now app window. When you drop an icon into it, it acts as if you chose file whose icon is dropped in file requester. I meant to add this ages ago, but thought "who needs it, anyway?". Ivan Golubovic kindly reminded me about DOpus5 users :)

· Cursor is now turned off during the download and turned on afterwards in CLI to speed up output a bit (Jostein Klemmetsrud)

· Double click into Referer string gadget now puts there everything except filename, not just host name.

· Number, string and public screen requesters are font sensitive now. Thank Serge Tumanyan for bugging me to add it :)

· When you start download in HTTPResume, only Start gadget gets ghosted whilst all string gadgets don't. They really should be ghosted since HTTPResume doesn't accept input in them while it's downloading but I thought it'd be too ugly to ghost almost everything. Mark Knibbs suggested a new option, so here it is: GHOST (where, where? ;))

· New option: BEVEL. It draws a beveled box in main window. Try it, maybe you'll like it (mr_W)

· New ARexx command: QUERY WINDOWTITLE. Returns current window title (Matthias Böcker)

· There are a few new icons in the Icons directory (Christian Grande, u-ROSH tHA bEAUTY - kING and Roy)

1.6 v1.6

· 1.6 (24.4.99)

This version was ready for almost three weeks now, but I managed to release it only now. It introduces some new features and some internal improvements. Additionally, this version requires v2.0 of catalog files, so your old catalogs won't work until they're updated.

· Includes a bugfix which was implemented in v1.5a patch. It fixed very nasty bug which occured when TIMEOUT option was used. If HTTPResume resumed download of a file and timeout occured it would stop and try to resume download again, but it wouldn't update range information so file wouldn't be downloaded properly. (Didier Giron)

· Doesn't send port number in Host: header any more unless it's explicitly specified. This helps with some servers like UK's Freeserve which expect Host: header without port number (they should handle it properly)

· New option: FORCECOMMENT which makes HTTPResume always write comment to the file (Ognjen Nedeljkovic)

· New option: PROXIES which allows HTTPResume to automatically choose proxy depending of your hostname/IP address (Mark Knibbs)

· HTTPResume now plays OK/error sounds asynchronously, so you can use the whole Hallelujah theme when the transfer is finished successfully, without waiting ;)

· Cleaned some of the support routines, they should use a bit less memory now.

· Excluded GetAllHTML.rexx by Chris S. Handley from the archive since it's separate archive on Aminet now (comm/tcp/GetAllHTML.lha)

· New ARexx command: [QUERY and SET] FORCECOMMENT

1.7 v1.5

· 1.5 (22.02.99)

· Comment on file is now set as soon as it's opened which means that if you reset your Amiga or there's a crash, file will still have its comment set (Matteo Cavalleri)

· Gadgets for string, password and number input are now properly displayed when used with VisualPrefs.

· HTTPResume's main window now takes into consideration when bottom border's height is changed using VisualPrefs. Thanks to Massimo Tantignone for the tip (reported by Matteo Cavalleri)

· New option: KEEPDATE which keeps the same date on file as it is on server (Chris S. Handley)

· New options: TIMEOUT and MAXTIMEOUTS that set the timeout after which the download will be retried and maximum number of tries (Daniel Schmitt)

· New options: MINCPS and IGNORECPS which specify the lowest allowed CPS and how many seconds at the beginning not to check if CPS is lower than MINCPS, respectively

· New option: ONLYIFUPDATED which will download a file only if it's newer than the one on the user's HD. This option is valid only when used in combination with OVERWRITE (Chris S. Handley)

· Username and password are now also base64-encoded when user enters them (Jostein Klemmetsrud)

· When user aborts the download, HTTPResume reports "Aborted!" instead of "Socket read error!" (again)

· NOWINACTIVATE and CREATEICONS were swapped in v1.4 CLI template. Fixed (Ljubomir Jankovic)

· New ARexx commands: [QUERY and SET] IGNORECPS, KEEPDATE, MAXTIMEOUTS, MINCPS, ONLYIFUPDATED, TIMEOUT

1.8   v1.4

· 1.4 (16.12.98)

After a long while (some people would say "too long" :)) here's HTTPResume v1.4. It will have a hard time trying to beat its predecessor as it was the first HTTPResume version to be voted the best program on Aminet that week :)

· HTTPResume now has almost 50 options!

· Included Chris S. Handley's ARexx script which recursively downloads the whole web page for you. Read its documentation for more information.

· New option: AUTOQUIT.

· New option: REFERER. Try double-clicking into string gadget when there's a URL in URL gadget.

· New option: NOWINACTIVATE - window won't be activated on startup (Tore A. Longva)

· New option: TREE which helps to preserve original directory structure (Mark Knibbs)

· New option MAXNAMELEN to inteligently limit filename length (Mark Knibbs)

· You can convert characters in filename (f. ex. " " to "_") using new options: CONVFROM and CONVTO (Mark Knibbs)

· Added TO as synonim for OUTFILE (Mark Knibbs)

· New option: USESYSFONT

· New option: AREXXCONSOLE to set where ARexx input/output goes.

· New option: SETTINGS to specify alternate configuration file (Mark Knibbs)

· You can now save settings to ENV[ARC]: or wherever you like using menu. You can then double-click on settings file's icon which will start HTTPResume and make it use settings from that file (Mark Knibbs)

· HTTPResume will now open a requester to ask you for username and password on sites which require authorization so you don't have to embed it into URL like you had to in previous versions (Jostein Klemmetsrud)

· HTTPResume status line now shows how much time is left until download is finished (Steve Bicknell)

· Added callback hooks to many string gadgets. For example, it is now possible to use RAmiga+U to jump to URL gadget while some other string gadget is activated (Mark Knibbs)

· New menu item: Execute ARexx script. Double-clicking into string gadget when requester opens brings on file-requester.

· Double-click on outfile gadget will recreate filename (for example, when you change URL)

· HTTPResume now uses its icon for AppIcon (Luca "Hexaae" Longone)

· HTTPResume now uses memory pools which should reduce memory fragmentation.

· Changed SDK from AmiTCP to Miami. There are no limitations as result of this, only improvements.

· It is now possible to start HTTPResume without TCP stack. This will also enable you to quit your TCP stack without quitting HTTPResume.

· Changed the way string gadgets resize yet again (Mark Knibbs)

· The last character in settings file wasn't read. Fixed (Tore A. Longva)

· Checkmark symbol in menus weren't properly updated although everything worked fine. Fixed.

· GUI is tightened up a bit (many people :))

· You can now change STARTDIR from menu.

· New ARexx commands: [QUERY and SET] STARTDIR, TREE, CONVFROM, CONVTO, MAXNAMELEN, REFERER, USESYSFONT, NOWINACTIVATE, AREXXCONSOLE. Only QUERY: VERSION.

· Fixed a bug which was inherited from HTTPGet, but would occur very rarely.

· Fixed function which encodes URLs. It had problems with characters with ASCII code greater than 128.

· Removed Aborted! requester (Chris S. Handley)

· Included few icons made by HTTPResume users.

· There's a web page for HTTPResume now.

1.9 v1.3

· 1.3 (16.9.98)

Well, since my free time is severely limited at the moment, it took whole three months for v1.3 to appear. I hope you like it :) (HTTPResume, not the delay ;)) I have decided to upload translations separately because it will speed things up a bit and make it possible to update them separately. Look for HTTPResume_xxx.lha where xxx represents name of your language. Just before releasing this version, I've taken a look at Aminet charts and was pleasantly surprised to learn that HTTPResume was voted 4th best program on Aminet two weeks in a row :)

· Added ARexx interface. Now you can do almost anything you want with it. Feel the power of ARexx :) (mr_W, Per Dahlberg)

· Real iconification added, i.e. iconifying to app-icon (mr_W)

· ICOX, ICOY and ICOWIDTH renamed to ZIPX, ZIPY and ZIPWIDTH. STARTZIPPED now does what STARTICONIFIED used to to. Sorry, had to be done...

· STARTICONIFIED now means start app-iconified.

· New ENV based preferences system. HTTPResume now reads HTTPResume.opts ENV variable and uses settings found in it.

· Added primitive progressbar(s). Luckily there's such thing called "evolution" ;)

· Now will tell you if file is already completely downloaded. Tore A. Longva made me think about this one more time, and it's finally here :)

· Now refuses to work only if really neccessary libraries couldn't be opened. F. ex. if asl.library can't be opened it will just ghost getfile gadget and keep working.

· Finally added menus. You can now change some settings, jump to other public screen...

· Improved status line. It will now indicate if server supports resuming by displaying one of +-? characters as first character in the status line.

· New option: AUTOSTART. It will start downloading when HTTPResume gets started (Tore A. Longva)

· New option: AUTOEXIT. Makes HTTPResume quit if AUTOSTARTed download was successful (Tore A. Longva)

· New options: OKSOUND and ERRSOUND. The former is being played when download ends OK and the latter in the other case. HTTPResume uses datatypes to play the sounds.

· New option: CREATEICONS.

· New option: NOERRREQ. Doesn't show error requester, only displays error in window's status bar. Useful if you want to leave HTTPResume downloading while you're not there to keep an eye on it.

· New arguments: WINWIDTH and WINHEIGHT.

· HTTP authorization would be created OK but sent empty :(Fixed. (Stuart Ayton)

· Fixed a font related bug introduced in v1.2. Different font sizes now work OK again. (Rolf Rotvel)

· STARTDIR is no longer required when no OUTFILE is supplied. STARTDIR now defaults to current directory (Daniel Schmitt)

· AUTORESUME will be ignored if servers sends "File not found" or if it doesn't support resume (Daniel Schmitt)

· Added QUICKQUIT to CLI, too (Tore A. Longva, Per Dahlberg)

· ZIPWIDTH (former ICOWIDTH) can now be less then initial window size (Per Dahlberg)

· STARTZIPPED now really starts zipped. In v1.2 it used to start with normal window and then zip it. (Tore A. Longva)

· Fixed CLI argument parsing FONTSIZE bug. I forgot to add /N in the template :I (Per Dahlberg)

· When file is changed and it has URL in its comment, URL gets changed even if it's not empty (Per Dahlberg)

· If f. ex. shortcut for filename is 'f', lowercase 'f' will activate Filename string gadget (like it did before) but uppercase 'F' will now call file requester.

· Important messages (errors, end of download) will now be displayed even if you're moving windows, icons etc...

1.10   v1.2

· 1.2 (14.6.98)

This version was supposed to be a minor update, but it got out of my hands ;) I would like to thank all the people who voted HTTPResume 12th and a week later even 8th best program on Aminet. Thank you :)

· Completely localized thanks to ATO. Debug file is not localized because of obvious reasons :)

· Completely rewrote URL parsing routines. HTTPResume should be able to cope with any valid URL.

· Added URL and proxy authorization. However, I did not have a chance to test proxy authorization so I would be very grateful if someone would tell me if it works.

· HTTPResume now supports redirection (files that have been moved permanently/temporarily)

· HTTPResume will now check if it should not write its current status because it might pause download for a while (f. eg. if you are moving windows, icons etc... around). This will speed up download in these cases, but it will cause messages that would otherwise be displayed to be lost. They will still be in debug file, if it's enabled, though (Mark Knibbs)

· Added iconification (Ljubomir Jankovic). I have also added possibility to have user-selectable position and width of iconify window and also option to start HTTPResume iconified

· Added FONTNAME and FONTSIZE arguments/tooltypes (Original suggestion to use Screen Text font by Luca "Hexaä" Longone)

· When not downloading file trough proxy, HTTPResume would write only its path and not full URL to file's comment. Fixed (Daniel Schmitt and Mark Knibbs)

· Added gadget to enable/disable usage of proxy (Mark Knibbs)

· Added QUICKQUIT tooltype (Ljubomir Jankovic)

· Changed the way that GUI was resized. It's a bit smarter now :) (Mark Knibbs)

· Fixed a bug which would display requester with a message even if HTTPResume was started from CLI (Mark Knibbs)

1.11   v1.1

· 1.1 (21.4.98)

· Improved GUI interactivity. It will now respond instantly even if the download is taking place. As very nice side-effect, it is now possible to instantly abort downloads

· Fixed a bug which would sometimes cause bad range to be downloaded (Renne Nissinen)

· GUI option added

· Added AUTORESUME option (Mark Knibbs)

· Switched to ASL file requesters as planed for version 1.0 (Mark Knibbs)

· Added debug to file option (Mark Knibbs)

· Added possibility to disable date checking (Mark Knibbs)

· Added User-Agent: field

· BUGFIX: When Return or TAB wasn't pressed after the input in string gadgets was made, HTTPResume wouldn't accept changed values (Renne Nissinen)

· Improved progress indicator. It will now also show the percentage and file size on disk, not just of the file part which is being downloaded (Daniel Schmitt)

· HTTPResume will now write URL to file comment if there hasn't been one already (Daniel Schmitt)

· HTTPResume will try to be smart and figure out missing arguments (Daniel Schmitt)

· Added WINX and WINY arguments/tooltypes

· Added STARTDIR argument to CLI, too (Ljubomir Jankovic)

1.12 v1.0

· 1.0 (2.4.98)

· Initial version (you don't say :))

· Works ;)

1.13 Credits

This program is partially based on HTTPGet by Steven Dick <ssd@mae.engr.ucf.edu>.

It also partially uses GadToolsBox by Jan van den Baard (I have added GUI resizability)

I would like to thank following people for suggestions/bug reports (in alphabetical order):

Torbjörn Aronsson, Stuart Ayton, Steve Bicknell, Matthias Böcker, Christian Britz, Matteo Cavalleri, Per Dahlberg, Dámaso Domínguez, Didier Giron, Ivan Golubovic, Christian Grande, Chris S. Handley, Ben Hutchings, Ljubomir Jankovic, Jostein Klemmetsrud, Mark Knibbs, Andrzej Kowalski, Holger Kruse, Luca Hexae Longone, Tore A. Longva, mr_W, Ognjen Nedeljkovic, Renne Nissinen, Roj, Rolf Rotvel, Roy, Eric Sauvageau, Daniel Schmitt, Massimo Tantignone, Serge Tumanyan, u-ROSH tHA bEAUTY (kING), Marco De Vitis and Zap.

This software was translated with the help of ATO, the Amiga Translators' Organization. ATO is a non-profit organization that translates for the Amiga community!

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1.14 Giftware

HTTPResume is giftware. If you like it and use it you should send me a gift. I'll leave this to your imagination...

1.15 Requirements

· Required:

· AmigaOS 2.0+ · A TCP/IP stack such as AmiTCP or compatible

· Optional:

· asl.library · datatypes.library · diskfont.library (required for GUI) · locale.library · ARexx · MiamiSSL or AmiSSL

1.16 Features

· Gives you the ability to continue interrupted downloads · Can automaticaly resume download when an error occurs · Can stop and restart download if settable timeout is exceeded or if CPS is lower than allowed · HTTPS support, both with and without proxy · Can be used from CLI or from WB · It has font adaptable non-MUI GUI? O:} · ARexx interface · Great number of options that make it very easy to make it work just as you like · Fully localized

1.17 Introduction

I just saw this thing on the 'net and I would like to download it!

It's 6+ MB? No problem!

[After a while]

Almost done... Few kilobytes to go... <Put your favorite reason for download to be interrupted> Aaaaaaaahhhhhhh! It can do that to me!!!

I'm sure you've been in this situation at least once. It's nice when you discover that you have to download the whole thing again just because few kBs are missing... Of course, you might be lucky to find the same thing on FTP site and continue downloading from the point it was interrupted, but it's not always like that. This program will let you continue interrupted downloads, but only from servers which support this i.e. servers that use HTTP 1.1 protocol. There are more and more servers of this type every day, so it should be easy to find them... I hope O:) (wuarchive.wustl.edu is one of those servers) Anyway, this program is intended to be just a temporary solution before all Amiga browsers become capable of supporting this feature. Note that program is called HTTPResume. You can not use it to continue interrupted FTP downloads nor any other kind except HTTP. HTTPResume will act as HTTPGet in cases when you give it XYZ protocol and even will let you this only when using proxy.

1.18 Disclaimer

HTTPResume

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The author reserves the right not to develop any future versions of this software package.

The author will give his best to solve any problem, if any are discovered, but is in no way required, or bound to do this.

This archive can be freely distributed provided its structure is preserved.

Aminet is explicitly allowed to distribute this archive on its CDs.

Magazines have my permission to distribute this program on their cover disks and CDs, but I would appreciate if a copy of the magazine would be sent to me in that case.

1.19 Installation

It's so simple that I didn't include an installation script O;) Copy HTTPResume (and HTTPResume.info) to any directory which is in your path, optionally HTTPResume.guide somewhere and you're ready to go. If there's a catalog for your language, you can copy it to LOCALE:Catalogs/YourLanguageName.

1.20 CLI

When started from CLI the template is:

URL,OUTFILE=OF,PROXY,RANGE,OVERWRITE/S/K,NOCACHE/S/K, GMTOFFSET=GMT/N,NODATECHECK=NODATE/S/K
ATTEMPTS/N,DELAY/N,STARTDIR=SD,TREE/N,CONVFROM,CONVTO, MAXNAMELEN/N,REFERER,PUBSCREEN=PS,GU
WINWIDTH/N,WINHEIGHT/N,ZIPX/N,ZIPY/N,ZIPWIDTH/N, STARTICONIFIED=STARTICO/S/K,FONTNAME=FNAME,FONT
USESYSFONT/S/K,NOPROXY/S/K,AUTOSTART/S/K,AUTOEXIT/S/K,AUTOQUIT/N, NOENV=NOSETTINGS/S/K,QUICKQUIT
STARTZIPPED=ZIPPED/S/K,NOWINACTIVATE/S/K,CREATEICONS=ICONS/S/K, RXPORTFILE,AREXXCONSOLE=REXXCO

KEEPDATE/S/K,TIMEOUT/N,MAXTIMEOUTS/N,MINCPS/N,IGNORECPS/N, QUIET/S/K,NOERRREQ/S/K,TO/K,SETTINGS,D
PROXIES,GHOST/S/K,BEVEL/S/K,SSL,AUTOREFERER/S/K

Very important! HTTPResume opens OUTFILE in "append" mode unless OVERWRITE is specified. Keep this in mind!

URL is (logically) the URL you want to download/continue downloading. If you don't set proxy, it has to start with http://!
Starting with v1.2, you can specify username and password in URL.

OUTFILE (or OF) is the file you want to download/continue downloading to.

PROXY is proxy in format http://user:password@address.of.proxy:port. (User and password are not neccessary if your proxy
doesn't require them) For example, http://proxy.matf.bg.ac.yu:8080.

RANGE is range you want to get. Some examples:

0-99 gets first 100 bytes -799 gets first 800 bytes 100- gets everything but first 100 bytes (0-99).

If you don't set RANGE (nor OVERWRITE) HTTPResume will try to be smart and figure out what range it should get. For
example, if you've set OUTFILE to RAM:Testfile and RAM:Testfile already exists and its size is 1234 bytes, HTTPResume will
ask for range 1234- (because "0-1233"=1234 bytes are already there!).

OVERWRITE tells HTTPResume not to look at the size of (possibly) existing OUTFILE and to overwrite OUTFILE in case it
exists (i.e. open the file in "write" mode).

NOCACHE speaks for itself. I don't think it makes much sense when resuming download.

GMTOFFSET: When resuming download with range not explicitly set by you, HTTPResume will only resume if file you are
downloading is unmodified since <datestamp on OUTFILE>. Because of that, HTTPResume needs to know this value. It's
number of minutes that need to be added to your local time to get GMT. This is a bit unusual, but that's the way this value is
stored in struct Locale on Amiga. Anyway, you don't need to set this value if you have locale set up correctly on your system
since HTTPResume will find this value for you. For example, Yugoslavia is GMT +1, so GMTOFFSET is -60 (note the change
of sign). Please note: if it's Daylight Savings Time in your country and you try to download a file that has very recently been
changed (it's of matter hours), stop the download and then try it again, you might get the message "File has been changed!" since
Amiga's locale system doesn't know about DST. In that case, try setting NODATECHECK option an try downloading the file
again.

NODATECHECK (or NODATE) will tell HTTPResume not to send If-Unmodified-Since field when it sends HTTP request. This
can be useful if you know that the file is same, but the date stamp isn't.

AUTORESUME (or AUTO): If the download is interrupted for some reason (unless you abort it) HTTPResume will try to
continue it again automaticaly.

ATTEMPTS Number of attempts to resume download. Makes sense only if used with AUTORESUME. Default is 5 attempts.

DELAY Seconds to wait between two retries. Makes sense only if used with AUTORESUME. Default is 10 seconds.

STARTDIR (or SD) is name of directory in which ASL file requester will open (WB) or name of the directory to which the
OUTFILE will be appended to make final OUTFILE (CLI). If (in the latter case) OUTFILE is full path, its contents will not be
appended to STARTDIR, it will remain unchanged.

TREE allows you to preserve directory structure from the URL. For example, if you want to download http://wuarchive.wustl.edu/pub/am
and you specify TREE=2, HTTPResume will skip two directories and download to STARTDIR/comm/www/HTTPResume.lha.
Directories that don't exist will be created! If TREE is -1, this option is ignored.

CONVFROM and CONVTO can be used to convert characters in filename. For example, specifying CONVFROM=a and
CONVTO=b would convert all letters "a" to "b". This is case sensitive! If length of CONVFROM is not equal to CONVTO, both
values will be cleared!

MAXNAMELEN lets you limit the filename length. Note that if you set this to, for example, 15, HTTPResume will copy first
15 - 3 = 12 characters and use URL to calculate last three characters. This should make sure that the same URL gets downloaded
to the same file and that http://first.host/verylongfilename1 and http://second.host/verylongfilename2 don't end up with same
OUTFILE.

REFERER sets Referer: HTTP header field. Some sites allow download only if link to the file was on their HTML page. When
you click on a link on a page, browsers send URL of that page in Referer: field (unless you turn it off, f. ex. it's "Browse
anonymously" in AWeb). HTTPResume doesn't send Referer: field by default, but if you find a link that requires this field, use
this option to set it. This field will always be sent until you clear it. If URL string gadget contains valid URL, double-click into

referer string gadget will copy host part (f. ex. if URL is http://www.abc.com/some/page.html and you double-click into the string gadget, Referer: field will be http://www.abc.com/

PUBSCREEN is name of public screen for HTTPResume to open it's window on. If invalid name is entered, the window will be opened on default public screen. (When started from CLI, only makes sense when used with GUI option)

GUI Will tell HTTPResume to act as if it was started from WB. Tooltypes will not be examined!

WINX and WINY X and Y coordinates of HTTPResume's window. (When started from CLI, only makes sense when used with GUI option)

WINWIDTH and WINHEIGHT width and height of HTTPResume's window. (When started from CLI, only makes sense when used with GUI option)

ZIPX, ZIPY and ZIPWIDTH are X and Y coordinates and width of HTTPResume's small window size. (When started from CLI, only makes sense when used with GUI option). On systems with intuition.library v39+, 65535 for ZIPX and ZIPY means current window position. Minimum ZIPWIDTH is 92. You can "iconify" HTTPResume by clicking on zoom gadget on its window. Be very careful: if you change size of HTTPResume's window just to its title bar, you won't be able to change its size again! (I have improved this a bit in v1.3 so you hopefully won't get into that kind of situation from now on) Keyboard shortcuts will still work, though.

STARTICONIFIED tells HTTPResume to start app-iconified.

FONTNAME and FONTSIZE are rather obvious. If specified font size is too big to fit on screen, HTTPResume will fall back to screen font or even to topaz 8 from ROM.

USESYSFONT If no FONTNAME is given HTTPResume uses screen font. If you specify this option it will use default system font instead of screen font.

NOPROXY will tell HTTPResume to ignore proxy if it's specified. There's not much point in using it as default tooltype (you can simply leave PROXY tooltype empty). It's here just because of consistency.

AUTOSTART HTTPResume starts downloading URL as soon as it gets started.

AUTOEXIT HTTPResume automatically exits if AUTOSTARTed download is successful.

AUTOQUIT If 0, HTTPResume quits after first download, successful or not. If 1, quits after first successful download.

NOENV (or NOSETTINGS) Don't try to read settings file.

QUICKQUIT HTTPResume won't ask you if you want to quit, it will just do it.

OKSOUND and ERRSOUND are sound samples that will be played in case of successful (unsuccessful) download. HTTPResume uses datatypes to play them so you can use any sample format if you have appropriate datatype.

STARTZIPPED does what STARTICONIFIED used to do in pre-1.3 versions: HTTPResume's window opens in its small size.

CREATEICONS Creates icon for the downloaded file if there already wasn't one.

NOWINACTIVATE HTTPResume's window won't be active when it's started.

RXPORTFILE File in which HTTPResume's will put name of its ARexx port or "***" if it couldn't create one. RXPORTFILE will always be written (if you specify this argument, of course), even if file with such name already exists! You should delete this file after you examine it. See example ARexx script for... khm... example :)

AREXXCONSOLE (or REXXCON) sets input/output for ARexx scripts started from HTTPResume. Default is CON://///AUTO/CLOSE

ONLYIFUPDATED: HTTPResume will download a file only if it's newer than the one on user's HD. This option is valid only when used in combination with OVERWRITE.

KEEPDATE keeps the same date on file as it is on server.

TIMEOUT and MAXTIMEOUTS set the timeout after which the download will be retried and maximum number of tries. If TIMEOUT is positive, after it's exceeded the transfer will be stopped and retried only if server supports resuming. If it's negative, the transfer will be stopped and restarted even if server doesn't support resuming. I don't see why would you need the latter, but I implemented it just in case someone wants it that way.

MINCPS and IGNORECPS specify the lowest allowed CPS and how many seconds at the beginning not to check if CPS is lower than MINCPS, respectively. If MINCPS is positive, it will only be taken into consideration if server supports resuming. If it's negative, it will always be used even if server doesn't support resuming.

QUIET will make HTTPResume show only error messages.

NOERRREQ HTTPResume won't open error requesters in GUI mode, but will show errors in window's title line.

TO is synonim for OUTFILE.

SETTINGS Specifies which settings file to load. Deafult is ENV:HTTPResume.opts.

DEBUG File to output HTTPResume debuging information among which are headers that server returns. If you have a bug report, please include this file in it! You can set this to anything you like. For example, if you want to see what's happening, you might want to set DEBUG=CON://///CLOSE/WAIT (you might want to add some more options, like X and Y coords, width and height and name of the public screen for CON: to open on).

FORCECOMMENT tells HTTPResume to always write comment to the file, even if it already had a comment.

PROXIES specifies a file which describes what proxy HTTPResume should use based on your hostname/IP address. If specified file can be opened and parsed successfully, PROXY argument will be ignored if it's specified. On the other hand, if PROXIES file for some reason can't be opened, HTTPResume will fall back to PROXY argument. Example of PROXIES file:

--- 8< --- ; If a line starts with ; it is ignored ; ; For testing purposes ; localhost http://localhost:8080/ ; ; Local network ; 192.168.*.* http://big.bad.proxy:8080/ ; ; University network ; *.bg.ac.yu http://ultra-slow-proxy.bg.ac.yu:8080/ ; ; Otherwise, use this proxy. ; * http://proxy.domen.net:8080/ --- >8 ---

Second column contains proxy entry which will be used if AmigaDOS pattern in the first column matches your hostname or IP address. Columns are separated by certain number of tabs or spaces. You can save this file as f. ex. ENV:HTTPResume.proxies and add PROXIES=ENV:HTTPResume.proxies to your SETTINGS file.

GHOSTWhen Start gadget is pressed, HTTPResume will ghost all gadgets that it doesn't accept input in while it's downloading.

BEVELDraws a beleved box in the main window.

SSLWhen HTTPResume downloads needs to open a SSL package, it first tries MiamiSSL and, if it fails, AmiSSL. You can force it to try to open just one of these two, if you want. Accepted values are MiamiSSL and AmiSSL.

AUTOREFERERAutomatically changes and sends Referer: field with every request. Many sites now allow download from their site only if request for the file has appropriate Referer: field.

1.21   WB

When started from Workbench, HTTPResume will examine tooltypes of its icon.

Possible tooltypes are

STARTDIR, PROXY, OVERWRITE, NOCACHE, GMTOFFSET, NODATECHECK, AUTORESUME, ATTEMPTS, DELAY, TREE, CONVFROM, CONVTO, MAXNAMELEN, REFERER, PUBSCREEN, WINX, WINY, WINWIDTH, WINHEIGHT, ZIPX, ZIPY, ZIPWIDTH, STARTICONIFIED, FONTNAME, FONTSIZE, USESYSFONT, NOPROXY, AUTOSTART, AU-TOEXIT, AUTOQUIT, NOENV, QUICKQUIT, OKSOUND, ERRSOUND, STARTZIPPED, NOWINACTIVATE, CREATE-ICONS, AREXXCONSOLE, ONLYIFUPDATED, KEEPDATE, TIMEOUT, MAXTIMEOUTS, MINCPS, IGNORECPS, QUIET, NOERRREQ, SETTINGS, DEBUG, FORCECOMMENT, PROXIES, GHOST, BEVEL, SSL, AUTOREFERER.

All tooltypes have the same meaning as CLI arguments with the same name.

1.22   Bugs

If you have a bug report, please check:

· Have you read the documentation? ;> · Have you set up proxy correctly? (Especially the port part!) · If the stars say that today is not your day ;)

If you did all this, then please send me bug report. Please send me output of the DEBUG file as it will be very helpful!

1.23   Tips & tricks

Here are some tips to help you use HTTPResume even easier.

· If you are a DOpus5 user, use the fact that HTTPResume's main window is an app window: drop files into it!

· Use ENV variable to save you typing the same thing every time! Look in the usage section to find out how to do it.

· You don't always have to type URL. Either use clipboard and "<" gadget to change it or, if file has URL in its comment, let HTTPResume do the dirty work for you. Just select the file and HTTPResume will change URL for you.

· Use double-click in outfile string gadget to recreate filename.

· Use OKSOUND and ERRSOUND to make HTTPResume work in background while you do something else and it will tell you when the download is finished.

· A tip for usage with AWeb. You can add something like following line into links pop-up menu (everything is in single line, and there are backticks, not apostrophes!)

SYSTEM Path:HTTPResume %u `C:RequestFile DRAWER=Work:T PUBSCREEN=AWEB` PUBSCREEN=AWEB AUTOSTART AUTOEXIT GUI

Of course, change DRAWER to the one you keep you downloads in. RequestFile is standard command that comes with WB3.0+ This line will start HTTPResume and (if everything is OK) start downloading URL to file that you selected using file requester. If the download is successful, it will exit. Here's an alternative entry:

SYSTEM Path:HTTPResume %u SD=Work:T PUBSCREEN=AWEB AUTOSTART AUTOEXIT GUI

This one uses "smart" feature of HTTPResume. It will download the file to Work:T and find out name of the file from URL. Experiment with this before you start using it for "real" downloads.