



## Version History

This is very technical, but details exactly what changed between releases of httpd. The list is in reverse chronological order.

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### 1.1

- Introduced experimental PEM/PGP based encrypted user authentication
- Improved directory indexing
- Cleaned up error output and fixed horrible output when server-side include error occurred
- Fixed slight bug in buffering code
- Directory indexing for user-supported directories fixed
- Retrieval of user supported directory with no trailing slash issues redirect again
- Now supports RFC931 identd for logging purposes
- stderr for scripts and server side includes now sent to error\_log
- Fixed bug in NCSA script code which would cause Location: to be ignored for local files
- Removed misfeature wherein Location: url's were being escaped by the server
- Args to INC SRVURL escaped to avoid unpleasant surprises
- Location: /cgi-bin/foo?arg now works
- HEAD only for CGI scripts now ignores body put out by stupid scripts

### 1.0

- CGI script interface introduced
- Fixed bug in AddType
- NCSA POST scripts now have REMOTE\_HOST set
- Output now buffered in 1K chunks

### 1.0a5

- Fixed horrible bug in 1.0a4

### 1.0a4

- Introduced user authentication (Basic scheme)
- Multiple script directories now supported
- Fixed bug in http\_request.c related to clients not sending a method
- Fixed bug in http\_request.c which caused DirectoryIndex to be ignored and index.html to be used anyway
- Added overrule for mime types in srm.conf and access config. so the user

doesn't have to edit mime.types

- Requests for directories which do not come with a trailing slash and will return a prewritten index are now redirected to the same URL with a trailing slash
- The HEAD method is now supported
- Fixed a getline call which was hardcoded to 1024 instead of HUGE\_STRING\_LEN
- Fixed problem in which a user could GET /~user/../../ and gain access outside of DocumentRoot
- httpd.conf split into two files: a server configuration and a document configuration file
- Introduced Redirect directive which allows you to redirect clients to documents' new locations
- Introduced htpasswd program for managing user authentication
- Fixed problems in http\_access.c where certain .htaccess files were ignored and some symlinks were being followed when they shouldn't have
- Distribution now places config files as foo.conf-dist instead of foo.conf so it doesn't write over your old files
- Config files now case insensitive
- MIME header scans are now case insensitive per the RFC
- Added server config. directive Timeout to control the timeouts when listening to or writing to a client
- Script execution now uses execl() instead of system() to eliminate extra tmp files and to allow system() from scripts.
- New document config. directive DefaultType for type of files which cannot be typed from filename
- Script arguments now not touched: Added support program to decode them for shell scripts
- Added support for the post method of accessing forms
- Added support for "extra path" in script name
- Fixed so that an un-executable script now returns FORBIDDEN instead of blank page
- Spaces in content type returned from scripts no longer included, so include files now work from imagerec script.
- Thanks to Arjan de Vet, script execution no longer uses system() or popen(), reducing chroot requirements as well as allowing scripts to use system().
- Added DefaultType directive to define what type a document with an unknown or missing extension should be
- Added Timeout directive to allow servers to choose the length of time a client is given to send a request and to receive the data.
- Added preliminary support for POST scripts, or more importantly, support for scripts which interpret the new form submission methods.
- Scripts now do all of their own URL decoding, which can be done either with provided C code, or with the support program unescape
- Scripts may now have extra path information after the script name, so allowing filters
- Improved Imagerect Script
- Allowed non-URL location returns from script to allow access control, user

authentication, and typing (great idea, Ari).

- Returning content-length and last-modified headers
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### **1.0a3**

- .htaccess files now affect subdirectories
  - Added option FollowSymLinks for security
  - Fixed MAJOR bug in init\_mime function
  - Enhanced Makefile and httpd.h for people compiling httpd themselves
  - Added env. vars DOCUMENT\_ROOT and SERVER\_NAME for scripts
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### **1.0a2**

- Introduced support for HTTP/1.0 3xx redirection from server scripts
  - Introduced per-directory access by host and options control
  - Added flags for BSD 4.2 compatibility (no killpg and no setsid)
  - Enhanced documentation
  - Introduced support for server restart through SIGHUP
  - Fixed bug which caused system not to return port when httpd is done
  - Fixed bug which caused server to go into infinite spin with GET /htbin
  - Bug in directory indexing repaired (thanks to neal@ctd.comsat.com).
  - Added timeout while sending data to client so as to alleviate zombie servers laying around when the client drops.
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### **1.0a1**

- Introduced server scripts
  - Server scripts for a variety of UNIX commands like archie added
  - Server-side forms handling scripts added
  - Image rectangling scripts added
  - Introduced more extensible configuration file format
  - Server now replies to HTTP/1.0 clients in HTTP/1.0 format
  - Introduced MIME data type determination on the fly
  - Improved logging of client access as well as server errors
  - Major internal reworking
  - Added timeout for clients that disconnect
  - Added server include files
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### **Version 0.5**

- Introduced standalone support

- Final release for gopher support and experimental group annotation support
  - No reported outstanding bugs
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### **Beta Version 0.4**

- Introduced experimental group annotation support
  - Introduced access logging
  - Introduced HTTP/1.0 tolerance
  - Handling of full hostnames added
  - Bug fixed with index.html not being recognized without a trailing slash
  - Fixed bug with extraneous character being added to the end of the data stream
  - Fixed bug handling directory URL's with trailing slashes
  - Made a little more friendly to Ultrix's brain death
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### **Beta Version 0.3**

- Introduced drop-in gopher support
  - Fixed security hole
  - Not being able to find the config file does not send back a path
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### **Beta version 0.2**

- Two security holes fixed
  - Double slashes in index of root fixed
  - Not being able to find error files no longer hangs the server
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