Version History

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

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. diretive Timeout to control the timeouts when listening to or writing to a client
- Script execution now uses execl() instead of system() to eliminiate 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 imagerect 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 recieve 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

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

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.

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

Version 0.5

- Introduced standalone support

- Final release for gopher support and experimental group annotation support
- No reported outstanding bugs

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

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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