

JMeterDevelopment

Navigation trail: [JMeterProjectPages](#)

Note: I am not sure how best to structure this yet - feel free to totally reorganise this page if you feel you can do better. – [ScottEade](#)

Goals

- To provide a scratch pad for current bugs and enhancement ideas (bugs should go to bugzilla, but there is no reason why they can't go here and be discussed a little before then). - I don't agree here, for short term things, the bug database allows discussion and email is fine. I think wiki is useful for conveniently "remembering" longer term discussions (Mike Stover - 2003-01-07)
- To provide a forum for determining which enhancements are to target which releases (i.e. formulation of a longer term development plan).
- A place to discuss long term goals and plans and preserve the discussion and the decisions. (Mike Stover - 2003-01-07)
- A place to community-build difficult documentation.

Tools

- [Developing for JMeter with Eclipse](#)
- [Running JMeter Tests](#)
- [JMeter Gump builds](#)

Proposed for development

- [Requirements](#)
- [bugzilla](#)
- [Enhancements](#) - [bugzilla](#) is also the place for enhancement requests, but this is a good place to discuss them prior to raising actual issues.
- [Long Term Plans and Discussion](#)
- [Developer Documentation](#)
- [JMeter Release Planning](#)
- [Scripting support](#)

Developer Progress Pages

- [MikeStoverCurrentEfforts](#)
- [SebbProposals](#)

Changes made to code since 1.9.1

Thought it would be useful to start summarising changes to CVS since 1.9.1. Feel free to update/refactor ...[sebb](#)

Functional Changes

- Basic [IfController](#) added (needs testing and documenting)
- `__property()` function now allows default value to be specified
 - `+P()` function added to simplify property access. `+P(prop,default) == +property(prop,,default)`. And `+P(prop) == __P(prop,1)`.
- Help page can now be pushed to background
- Response Assertion now works for URLs, and it handles null data better
- Redirects can now be delegated to URLConnection by defining the JMeter property `HTTPSampler.delegateRedirects=true` (default is false)
- Stop Thread and Stop Test methods added for Samplers and Assertions etc. Samplers can call `setStopThread(true)` or `setStopTest(true)` if they detect an error that needs to stop the thread of the test after the sample has been processed
- Thread Group Gui now has an extra pane to specify what happens after a Sampler error: Continue (as now), Stop Thread or Stop Test. This needs to be extended to a lower level at some stage.
- Added Shutdown to Run Menu. This is the same as Stop except that it lets the Threads finish normally (i.e. after the next sample has been completed)
- Remote samples can be cached until the end of a test by defining the property `hold_samples=true` when running the server. [More work is needed to be able to control this from the GUI](#)
- [StringFromFile\(\)](#) function can now use a variable or function for the file name
- [BeanShell](#) Sampler (BETA) added. This is optional. To use it, the [BeanShell](#) jar needs to be downloaded from [www.beanshell.org](#).
- Optionally start [BeanShell](#) server (allows remote access to JMeter variables and methods)
- Response Assertion can now match on Response Code and Response message as well
- Proxy server has option to skip recording browser headers
- Proxy restart works better (stop waits for daemon to finish)
- Scheduler ignores start if it has already passed
- Scheduler now has delay function
- [StringFromFile](#) can now process a sequence of files, e.g. `dir/file01.txt, dir/file02.txt` etc
- added Summariser test element (mainly for non-GUI) testing. This prints summary statistics to System.out and/or the log file every so often (3 minutes by default). Multiple summarisers can be used; samples are accumulated by summariser name.
- TCP Sampler (Alpha Code)
- Extra Proxy Server options:
 - Create all samplers with keep-alive disabled
 - Add Separator markers between sets of samples
 - Add Response Assertion to first sampler in each set
- Test Plan comment option

Other Changes

- component_reference tidied up to make display tidier
- Minor text updates
- Forever box moved back to start of line
- logging converted to use getLoggerForClass()
- [JavaTest](#) sampler handles interrupts better
- Unused code items removed/commented out
- Version string moved to separate file, and build.xml can skip updating it
- Function Help now moved to a separate file
- HTML documentation now references the Jakarta logo using a relative URL, so local copies of documents (and the Help pages) no longer try to fetch the logo from the Apache Web Site
- images and demos moved back to xdocs; build.xml new targets for creating tars
- Gump builds to export jars
- handle RE errors better
- only open jmeter.log once
- re-aligned messages.properties files
- fixed bug in [TestCompiler](#) which could cause Thread startup to spin or stall
- fixed bug in CSVRead (24076)
- fixed some broken links in the documentation
- [ProxyServer](#) now forwards all browser headers to the server, regardless of whether the headers are being collected for the test plan or not.

Uncommitted changes