Subject: New internet support (TcpSocket, HttpRequest)
Posted by mirek on Sat, 21 Apr 2012 12:39:32 GMT
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It has taken much longer than I anticipated, but I am happy to announce that there is now new "internet infrastructure" in the Core. New classes are:

Zlib - this provides zlib/gzip compression/decompression, the new feature provided by this class is that it supports "streaming" operations (e.g. file can be written by parts).

IpAddrInfo - this encapsulates getaddrinfo API (DNS resolution) and provides asynchronous operation (implemented using auxiliary threads).

TcpSocket - big news here is that "SSL" is just mode, not separate class. Also timeout issues are somewhat unified.

HttpRequest - compared to legacy HttpClient, it provides asynchronous mode of operations - it is now possible to e.g. perform multiple requests in single thread quite easily. Also it provides streaming support, e.g. when downloading file, it is now possible to save it directly to disk.

New features are demonstrated by reference/GuiWebCrawler and reference/GuiWebDownload.

Mirek