ABSTRACT

A client computer system and associated method in a computer network over which are provided programs with methods. The client computer is capable of executing the programs with reduced run-time memory space requirements. Specifically, a network communications interface receives the methods of the programs and a network communications manager loads uncompressed in available space in the run-time memory the methods when they are received. An execution controller controls execution of the programs so that the methods are invoked and not invoked at various times during execution of the programs. A compressor compresses in the memory compressible ones of the uncompressed methods that are not invoked so that space is made available in the run-time memory. The compressor also decompresses in available space in the run-time memory decompressible ones of the methods so that they may be invoked.

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