SYSTEM AND METHOD FOR FACILITATING DYNAMIC LOADING OF "STUB" INFORMATION TO ENABLE A PROGRAM OPERATING IN ONE ADDRESS SPACE TO INVOKE PROCESSING OF A REMOTE METHOD OR PROCEDURE IN ANOTHER ADDRESS SPACE

ABSTRACT OF THE DISCLOSURE

A stub retrieval and loading subsystem is disclosed for use in connection with a remote method invocation system. The stub retrieval and loading subsystem controls the retrieval and loading of a stub for a remote method, into an execution environment, to facilitate invocation of the remote method by a program executing in the execution environment. The stub retrieval subsystem includes a stub retriever for initiating a retrieval of the stub and stub loader for, when the stub is received by the stub retriever, loading the stub into the execution environment, thereby to make the stub available for use in remote invocation of the remote method. In one embodiment, the stub retrieval and loading subsystem effects the retrieval and loading for a program operating in one address space provided by one computer, of stub class instances to effect the remote invocation of methods which are provided by objects operating in another address space, which may be provided by the same computer or a different computer.

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