the programming burden on programmers as each service may require its own SDK or API to implement processes offered by the service. For example, TWEETING on TWITTER requires a different code base than for posting a picture on TUMBLR. Using these services also may not be conveniently shown until after applications are deployed on the service, which also may have irreparable results. In other words, programming across multiple platforms, languages, and services remains exceedingly complex to learn in combination with understanding accompanying SDKs and APIs of remote services.

[0005] Thus, there is a need in the art for an integrating a local and remote programming environment.

SUMMARY OF THE INVENTION

[0006] Embodiments of the present invention generally relate to a method, apparatus, and system for code virtualization and remote process call generation. Specifically, by utilizing a pre-generated code library, virtualized SDK, and snippet generator located on a remote server, a program on a user device leverages multiple services across multiple platforms and programming languages. The user device receives a code snippet and/or virtualized SDK so as to execute at least one remote process call on the remote server, and also in turn deploy the process in the native language of a different remote server substantially as shown in and/or described in connection with at least one of the figures, as set forth more completely in the claims.

[0006a] According to a first aspect of the present invention, there is provided a method for code virtualization comprising: receiving a selection of a remote process on a remote server, the remote process correlated to at least one remote service; generating from at least one virtual code provider (VCP) on the remote server, a code snippet with parameters from pre-defined fields to call the remote process; and providing the code snippet for insertion into a local code base on a user device such

that the code snippet calls the remote process from the user device with an installed software development kit (SDK) on the user device.

[0006b] According to a second aspect of the present invention, there is provided a method for remote process call generation in at least one virtual code provider (VCP) comprising: storing a process code for at least one remote process as offered by at least one classical service component (CSC); analyzing the process code corresponding to at least one process; correlating parameters in the process code based on relationships to other parameters and at least one associated function of the process code; assigning parameters to processes requiring the parameters in a process pool; linking each process from the process pool to a virtualized software development kit (SDK); and generating a code snippet to insert parameter values and execute an associated process from the process pool when called using the virtualized SDK.

[0006c] According to a third aspect of the present invention, there is provided a system for remote process call generation comprising: at least one processor; at least one input device coupled to at least one network; and at least one storage device storing processor executable instructions which, when executed by the at least one processor, performs the above method .

[0007] These and other features and advantages of the present disclosure may be appreciated from a review of the following detailed description of the present disclosure, along with the accompanying figures in which like reference numerals refer to like parts throughout.