

~~4~~28. A method for providing a real-time communication session over the internet for a superblock application intended for use on a computing device, the method comprising:

providing a function block for use in adding additional functionality to a third party superblock application that has its own functionality and display window, wherein the function block is configured to be compiled into the superblock application and is configured to add the additional functionality to provide the real-time communication session using one or more servers connected over the internet, and wherein the function block is configured to interact with the superblock application through one or more application programming interface (API) calls; and

providing authentication credentials for use by the superblock application, wherein the authentication credentials enable the function block to use the one or more servers to establish the real-time communication session for the superblock application.

29. The method of claim 28 further comprising enabling the establishment of the real-time communication session between the one or more servers and the function block ~~compiled into the superblock application~~ so that the function block can provide the real-time communication session to the superblock application.

230. The method of claim ~~4~~29 wherein enabling the establishment of the real-time communication session includes signaling communications between the one or more servers and the function block.

331. The method of claim 230 wherein the signaling communications include session setup, management, and teardown.

432. The method of claim 230 wherein the signaling communications use Session Initiation Protocol (SIP) as a signaling protocol.

536. The method of claim ~~4~~28 wherein the real-time communication session uses Real-time Transport Protocol (RTP) as a data transport protocol.

633. The method of claim ~~4~~29 wherein enabling the establishment of the real-time communication session includes negotiating signaling and media parameters between the one or more servers and the function block.

~~7~~34. The method of claim ~~6~~33 wherein the signaling and media parameters include a bandwidth parameter.

~~8~~35. The method of claim ~~6~~33 wherein the signaling and media parameters include a codec parameter.

~~9~~37. The method of claim ~~4~~28 further comprising providing an authorization key for use by the superblock application, wherein the authorization key unlocks the function block for use by the superblock application.

~~10. The method of claim 1 further comprising providing authentication credentials for use by the superblock application, wherein the authentication credentials enable the function block to use the one or more servers for the real-time communication session.~~

~~11~~38. The method of claim ~~4~~28 further comprising sending a notification from the one or more servers to the function block.

~~12~~39. The method of claim ~~11~~38 wherein the notification requires a response and the establishment of the real-time communication session is the response to the notification.

~~13~~40. The method of claim ~~11~~38 wherein the notification is a request to initiate the real-time communication session, and an API call indicates whether the request has been granted or denied by the superblock application.

~~14~~41. The method of claim ~~11~~38 wherein the notification is a presence notification.

~~15~~42. The method of claim ~~14~~41 wherein the function block is further configured to update a presence indicator within the superblock application in response to receiving the presence notification.

~~16~~43. The method of claim ~~4~~28 further comprising receiving, by the one or more servers, a notification from the function block.

~~17~~44. The method of claim ~~4~~28 wherein the real-time communication session is for instant messaging.

~~18~~45. The method of claim ~~4~~28 wherein the real-time communication session is a voice call.

~~19~~46. The method of claim ~~1~~28 wherein the real-time communication session is a video call.

~~20~~47. The method of claim ~~1~~28 wherein the superblock application is further adapted to operate with iOS as an operating system for the computing device.

~~21~~48. The method of claim ~~1~~28 wherein the superblock application is further adapted to operate with Android as an operating system for the computing device.

~~22~~49. The method of claim ~~1~~28 wherein the computing device is a cellular phone.

~~23~~50. The method of claim ~~1~~28 wherein the computing device is a smart phone.

~~24~~51. The method of claim ~~1~~28 wherein the computing device is a tablet.

~~25~~52. The method of claim ~~1~~28 wherein the computing device is a personal digital assistant.

~~26~~53. The method of claim ~~1~~28 wherein the computing device is a laptop computer.

~~27~~54. The method of claim ~~1~~28 wherein the computing device is a desktop computer.