Call Integration Framework

Thesis topic

Briteback is developing the next generation corporate telephony solution in a partnership with telecom provider iCentrex. The new solution integrates mobile telephony calls with Briteback's own video call function (a WebRTC-Solution), making it possible to seamlessly escalate a regular phone call to a multi-person video call with screen sharing (among other things).

Based on this novel technique we now want to create an integration framework and API for making it possible to integrate other kinds of call solutions and devices (such as Skype calls, Hangouts, Grandstream conference devices, etc). The vision is for the end user to easily be able to connect, for example, a personal Skype account and Hangouts account, and then pick up incoming Skype- and Hangouts calls directly in the Briteback app and also add regular phone calls, etc, to such ongoing multi-person-calls. (See the image on the next page.)

This thesis project boils down to the following steps:

• Create a framework (with an API) for setting up and integrating new types of voice/video streams in an efficient way (call quality and latency)
  • Integration setup
  • Contact list integration
  • Call mechanism (start call & answer call)
• Evaluate efficiency in terms of call quality and latency

This thesis project is suitable for 1-2 students on master's level. The successful candidate(s) will be working from the Briteback main office in central Norrköping.

How to apply

Send your resume, application letter and links to relevant github repositories to David Erenger, CTO at david.erenger@briteback.com.

About Briteback

Briteback is a Swedish high-growth company providing custom enterprise messaging solutions to medium-to-large enterprises. Briteback is located in Norrköping, Sweden, and New York, USA.

briteback.com
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Magic Black Box