linphone

open source VOIP project

belledonne communications.

What do you need
TO BUILD YOUR SECURE
communications app ?

*Digital communications, including voice, video and messaging, involve **sensitive user data** that need to be protected against unauthorised access.*

*Linphone provides **built-in security features** that allow the creation of a **secure communications service** across the public Internet.*

A FAMOUS AND ROBUST SOFTPHONE

Since it was launched in 2001 as the very first open source softphone on Linux, Linphone has become very popular, especially within the open source community. Available for desktop and mobile platforms, it supports encrypted HD voice/video calls and instant messaging.

Linphone features a separation between the user interfaces (UIs) and the core engine, allowing the creation of various kinds of UI.

10
engineers working on Linphone and customers' projects

400,000
users of our free SIP service

900,000
downloads of Linphone

2,000
visits per day on our website

ADVANCED BUILT-IN SECURITY FEATURES

Linphone is used by major actors in the security domain. It has proven to be a legitimate candidate as it supports state-of-the-art security features based on open standards:

- **Secure user authentication with TLS certificates**
- **End-to-end encryption for audio and video calls with ZRTP**
- **End-to-end encryption for instant messages for one-to-one and group conversations**

We develop internally the source code of the full-stack software solution that we distribute, which gives our customers full control of the solution that they chose.

A MODULAR TOOLKIT

Liblinphone

Linphone's VoIP SDK integrates all the voice/video and instant messaging functionalities with strong security features into one easy-to-use API. This library supports standardised end-to-end ciphering algorithms (AES 256, curve25519, etc.) and encryption protocols (TLS, SRTP and ZRTP). Liblinphone combines our media processing and streaming toolkit (Mediastreamer2) with our user-agent library for secured SIP signaling (Belle-sip).
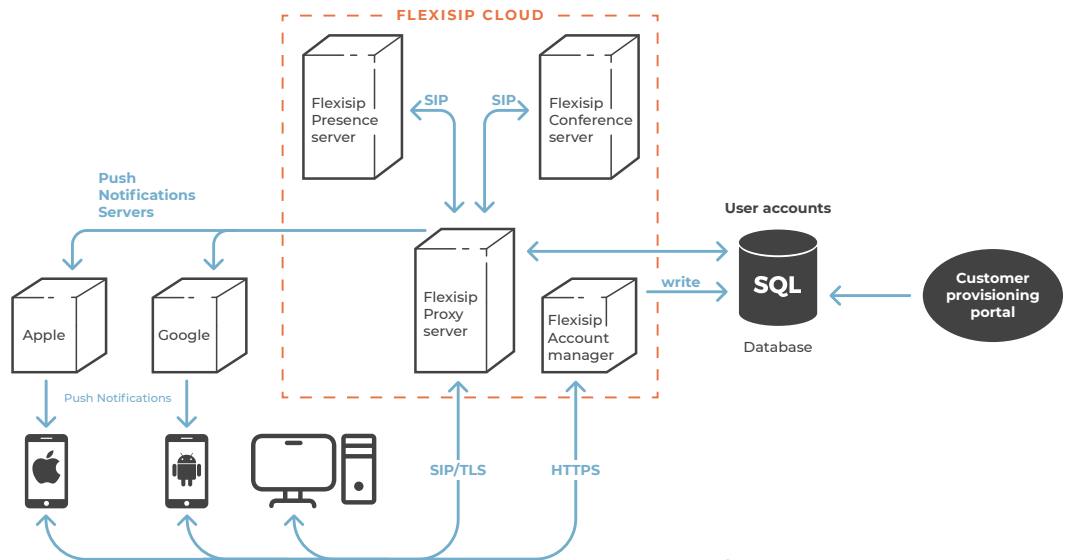
Linphone Instant Messaging Encryption

LIME is an encryption library for one-to-one and group instant messaging, allowing users to exchange messages privately and asynchronously. It supports multiple devices per user and multiple users per device. It is available as a Liblinphone extension or as a standalone library.

LIME offers two major security benefits to instant messaging users:

• **End-to-end encryption, which means that only you and your contact (and not even the server) can decrypt the content that you shared**
• **Perfect forward secrecy, which ensures that encrypted messages cannot by decrypted by a third party, even if a key is compromised in the future**

YOUR OWN SERVICE USING LINPHONE AND FLEXISIP

Flexisip is a complete, modular and scalable SIP server suite comprising proxy, presence and group chat functions. It offers all the features to deploy your own secure communications service tuned for mobile or desktop applications, out-of-the-box.

DUAL-LICENSE MODEL

All our products are dual-licensed, and can be distributed under a GPL/AGPL license for free (open source) or under a proprietary license for a fee.

Open source

The open source model guarantees freedom for customers who have full rights to modify and maintain the solutions they have bought. This leads to better quality software, as the source code can be reviewed by security experts around the world.

Proprietary

In case you prefer to keep your sources closed, you may purchase a proprietary license.

PROFOUND EXPERTISE IN SOFTWARE DEVELOPMENT AND ENCRYPTION TECHNOLOGIES

Software development in C++, C, Java, C#, Objective C, swift	Media streaming engine (audio and video) and signal processing
Secure communications (TLS, SRTP, ZRTP) including end-to-end encryption for IM	Mobile and desktop app development (iOS, Android, Qt, Xamarin…)

DEDICATED SUPPORT AND DEVELOPMENT SERVICES

Annual support
We offer dedicated annual support agreements to ensure that your secure app stays compliant and compatible with the latest technologies.

Development assistance
For all kinds of assistance requests, we will devote the necessary time to help you with any technical question that may arise.

Branding and development services
Based on your technical specifications, we will assess the development effort required for your customisations.

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