THE SAFEST WAY TO SHARE AND COLLABORATE
Securing corporate data, a growing challenge

Why is it important?

- 44% of companies affected by ransomwares in 2018 (source: CESIN annual barometer (2019))
- 279 days to identify and contain a data breach (source: IBM (2019))
- 3.9 M$ average cost of data breach (source: IBM (2019))
- 2.5B data compromised in H1 2018 (source: Breach Level Index (2018))

What are the causes?

- Explosion of cloud storage
- Employees increasingly using their personal devices and poorly secured consumer applications
- Heterogeneous IT architecture
- Increased mobility
- Increased number of connected objects with poor or inexistent security

Mobility tools are a foot in the door to organizations’ information systems (governments, administrations, or companies). Cyberattacks can cause heavy financial losses and even affect national security. Furthermore, new European regulations require companies to implement data protection measures, or face fines of up to 4% of their worldwide turnover for violating their obligations.
Market expectations

**OBJECTIVES**

- Support company growth with partnerships (shareholders, technology partners, suppliers, distributors, customers...)
- Accelerate collaboration between teams (R&D, Marketing, Commerce, Support...) to shorten development cycles

**REQUIREMENTS**

- Share documents in a fully secure environment
- Collaborate with people, groups, or project teams through instant messaging
- Avoid confidential data becoming out of control of the company and its partners
- Share the right document with the right person
- Access from all types of devices
Cryptobox simplifies and secures professional collaboration

Cryptobox improves enterprise productivity with easy, internal and external exchanges.

1 A flexible solution

Deployment modes:
Cloud, on premise or hybrid

Cost models:
user license and storage space or on premise license

Flexible operational model:
turnkey service managed by Ercom or internal management by your IT team

2 A highly-secure solution

File synchronisation and sharing

Personal and team workspaces with history tracking and a file restoration function

Direct instant messaging with one person or a group of people

Instant messaging with workspace members

External collaboration
- secured URL sharing
- creating guest accounts to safely share data with external contacts

3 A user-friendly solution

User-friendly and intuitive interface

App for iOS and Android Smartphones and Tablets, web browsers, Windows and macOS app

Full user autonomy to create and manage workspace (member list, access rights ...)

Optimized admin console for the management and the optimized follow-up of your users
Best-in-class security

Security is at the heart of our product design. At Ercom, we call this « **security by design** ».

**All our products are certified by recognized and independent organizations.**

Cryptobox is qualified by the ANSSI for « Restricted Distribution » use (Certification Common Criteria EAL3+ and Standard Qualification).

### Zero trust and ‘need-to-know basis’

The encryption and decryption of data are made exclusively on the user device.

Data stay fully encrypted (AES 256) at any time, while in transit or at rest in Cryptobox Cloud server.

Cryptobox is the only solution to achieve encryption and decryption in your internet browser.

Encrypted data are transmitted via a communication channel also encrypted.

Data access management is also using cryptographic mechanisms: only the data owner can grant access. The functional or technical administrators of the service can never have access to any data in any way.

### Encryption key control

Only the user knows the password, it is not stored on any server.

Just like a bank safe, 2 keys are required to access data, one of which is exclusively controlled by the user.

### Account recovery (in case of password loss)

Cryptobox does not store user passwords. A patented solution allows users to recover access to his account, with the help of a trusted person.

### In-device encryption keys

The authentication, local encryption and workspace access are managed and secured for each device, by an innovative and transparent mechanism of in-device key management store.

### Multi-factor authentication

Cryptobox service is secured by a combination of a password login and a second authentication source (SAML 2.0).

### Shadow IT

Cryptobox puts an end to shadow IT by giving you control over your company’s data.
Ensuring maximum privacy

Thanks to its unique architecture and features, Companies and Governments trust Cryptobox for securing their assets.

ON PREMISE OR CLOUD

CORPORATE IT

LDAP

SMTP

SECURITY SERVER

CRYPTOBOX

by ERCO

metdata

ON-PREMISE OR CLOUD

LDAP

SMTP

kubernetes

DATA OBJECT STORAGE

compatible Amazon S3
Openstack Swift
Microsoft Azure

POSTGRESQL

Compatible Amazon S3
Openstack Swift
Microsoft Azure
A modern and intuitive interface

You get an user-friendly solution