CRYPTOBOX

BY ERCOM

THE SAFEST WAY TO SHARE AND COLLABORATE

VISA DE SÉCURITÉ

ANSSI

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)

2,5 B

Data compromised in H1 2018
source : Breach Level Index (2018)

3,9 M$

The average cost of data breach
source : IBM (2019)

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

	EXTERNAL	**INTERNAL**
OBJECTIVES	Support company growth with partnerships (shareholders, technology partners, suppliers, distributors, customers...)	Accelerate collaboration between teams (R&D, Marketing, Commerce,Support...) to shortendevelopment 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

Optimized admin console for the
management and the optimized follow-
up of your users

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, acces rights ...)

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 independant 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 mecanism: 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.).
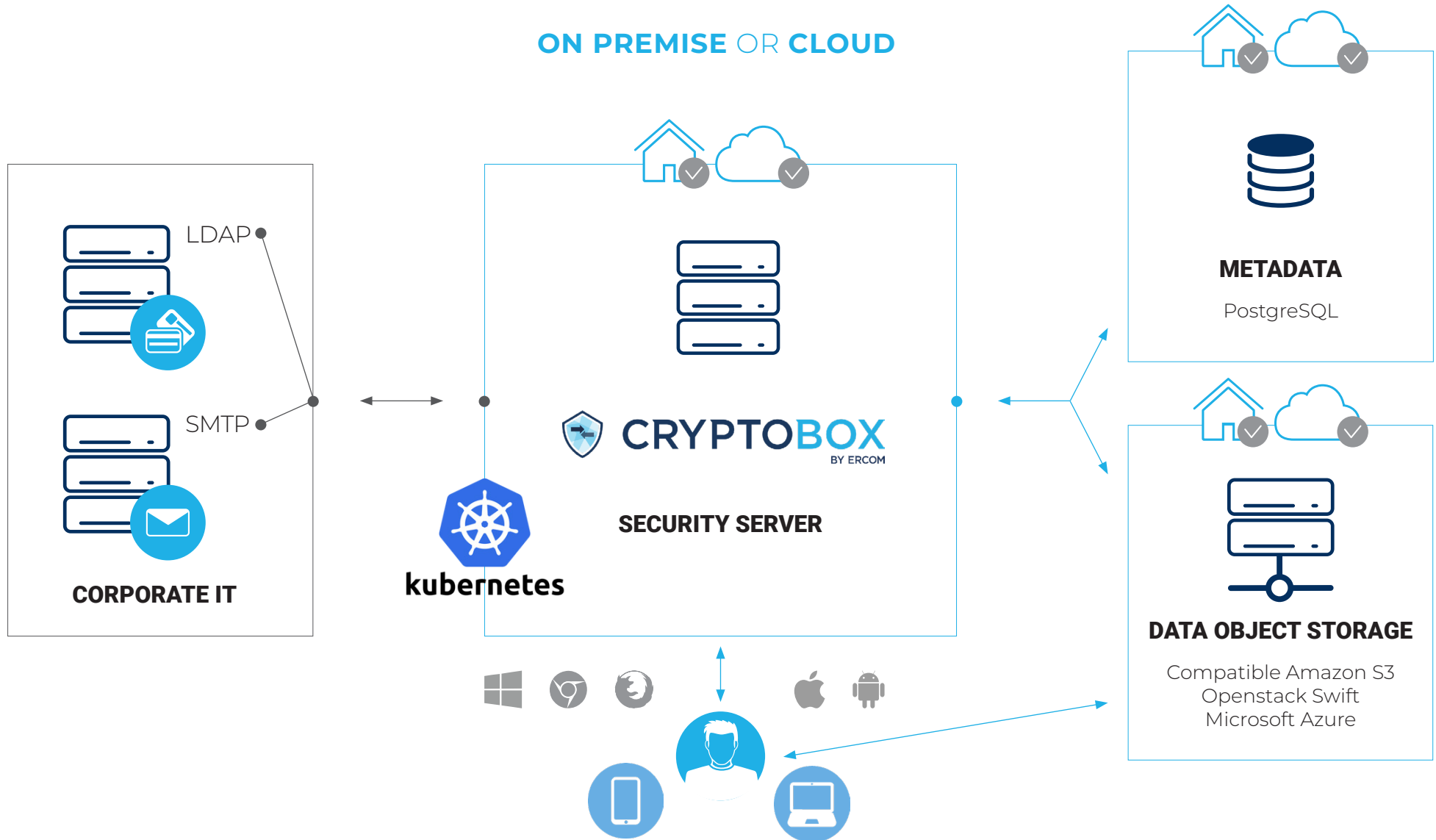
Shadow IT

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 Governements trust Cryptobox for securing their assets.

ON PREMISE OR **CLOUD**

LDAP

SMTP

CORPORATE IT

CRYPTOBOX
BY ERCOM

SECURITY SERVER

kubernetes

METADATA

PostgreSQL

DATA OBJECT STORAGE

Compatible Amazon S3
Openstack Swift
Microsoft Azure

A modern and intuitive interface

You get an user-friendly solution

ERCOM
a Thales company

✉ sales_cybersec_web@ercom.fr

📞 +33 (0)1 39 46 50 50

www.ercom.com/cryptobox