

Seal the Cloud



CRYPTOBOX

BY ERCOM

THE SAFEST WAY TO SHARE AND COLLABORATE



Securing corporate data, a growing challenge

Why is it important?



9 M

Detected ransomware attacks per week
source : Fortinet (2016)



99 days

To discover a security flaw
source : M-Trends (2017)



40 %

Increase in data leaks in one year
source : Identity Theft
Resource Center, USA (2016)



4 M\$

Average cost of data theft.
source : IBM (2016)

What are the causes?

- Explosion of cloud storage
- Employees increasingly use 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	Enable growth through partnerships (shareholders, technology partners, suppliers, distributors, customers...)	Accelerate collaboration between teams (R&D, Marketing, Commerce,Support...) to increase productivity and shorten development cycles
REQUIREMENTS	<ul style="list-style-type: none">▶ Share documents in a fully secure environment▶ Collaborate with people, groups, or project teams through instant messaging▶ Control access to confidential information▶ Enable users to manage their own exchanges▶ Access from all types of devices▶ Comply with information security regulations▶ Notarize file sharing, access and updates	

Cryptobox eases and secures professional collaboration

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

1 A flexible solution

Deployment modes:

SaaS, private Cloud or On-premise

Cost models:

service subscription (OPEX) or infrastructure investment (CAPEX)

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

Direct instant messaging with one person or a group of people

Instant messaging with workspace members

External collaboration through secured URL sharing, or, external partner invitation

Admin console to manage users and security policies

3 A user-friendly solution

App for iOS and Android Smartphones

and Tablets, web browsers and Windows client

User-friendly interface

Full user autonomy to create and manage workspace (member list, access 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 independent organizations.

EAL3+ Certification and ANSSI «standard level» Qualification : on-going.



End to end encryption

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 server (SaaS, Cloud or on-premise).

Encrypted data are transmitted through a communication channel encrypted too (TLS).

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 any user to define a trusted individual who will acknowledge the need for password re-generation.

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.

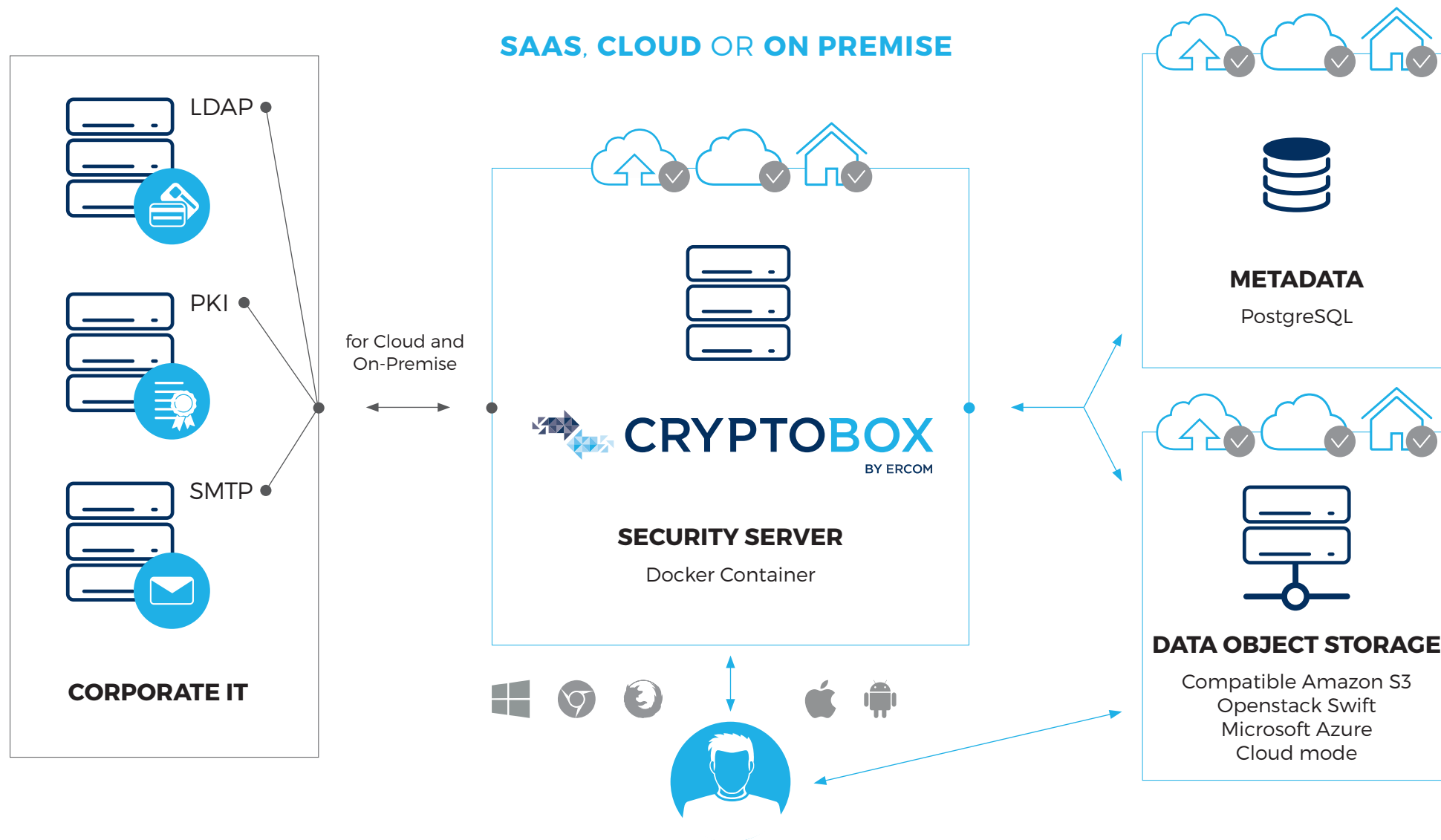


Shadow IT

Cryptobox puts an end to shadow IT by giving you control over your company's data

Ensuring maximum privacy

With its architecture and features, Cryptobox meets the economic objectives of transition to the cloud, and ensures data confidentiality and integrity to companies and governments.



A modern and intuitive interface

You get an easy-to-use solution





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