

CORISECIO

Secure *Mobile* Collaboration with SharePoint

Secure Mobile Access of Encrypted Documents

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SharePoint is successfully used in most enterprises for:

- Collaboration in teams
- Document management

**... most sensitive information of all organizations
is somehow used in documents**





What about security?



Attacks ...

... from outside

- There exists a magnitude of proven security solutions.

... from inside

- There exists also standard solutions
 - Access Management
 - Rights/Roles



Are these standards sufficient?

- Administrator and privileged persons can easily get access to any document in SharePoint
- Even in the best secured SharePoint installations - attacks from inside can easily occur.
 - Once upon a time there was an administrator with name Snowden ...

...



But how can we secure documents ?

- Encryption is best proven

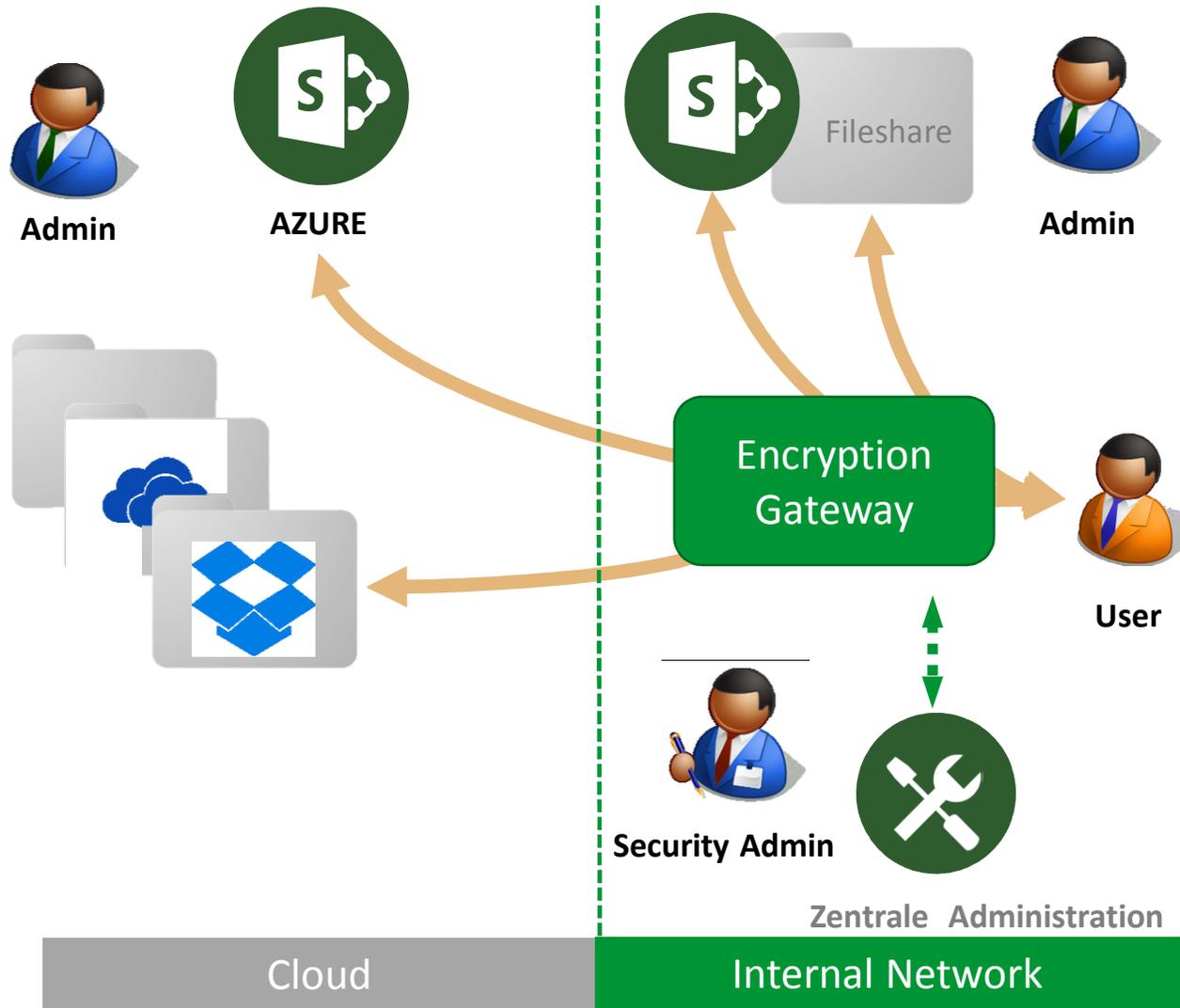
A SharePoint encryption solutions has to provide:

- Strong encryption
- High availability
- Integration of external partner
- Avoid software clients
- Support Mobile Access



Document Encryption

CORISECIO Encryption Gateway



Mobile Security Challenges

Mobile devices are (by default) unsecure

- Who has access to files and documents on mobile devices?
 - Operating System, Trojans, etc.
- Standard Security Solutions are ...
 - Hardened Operating Systems
 - “Secure Container” in Mobile Devices
- But these solutions are often ...
 - Expensive
 - Quickly outdated
 - Only available on very few device types





New Technology

- Modern HTML5 Browser have a couple of security options
 - Web Crypto API
 - Encryption of HTML5 content
- HTML5 Browser are available for (almost) all devices
- A Browser can be used as a secure container



Secure Mobile Access

Premiss:

An sensitive and encrypted document should stay securely on the server
e.g. SharePoint

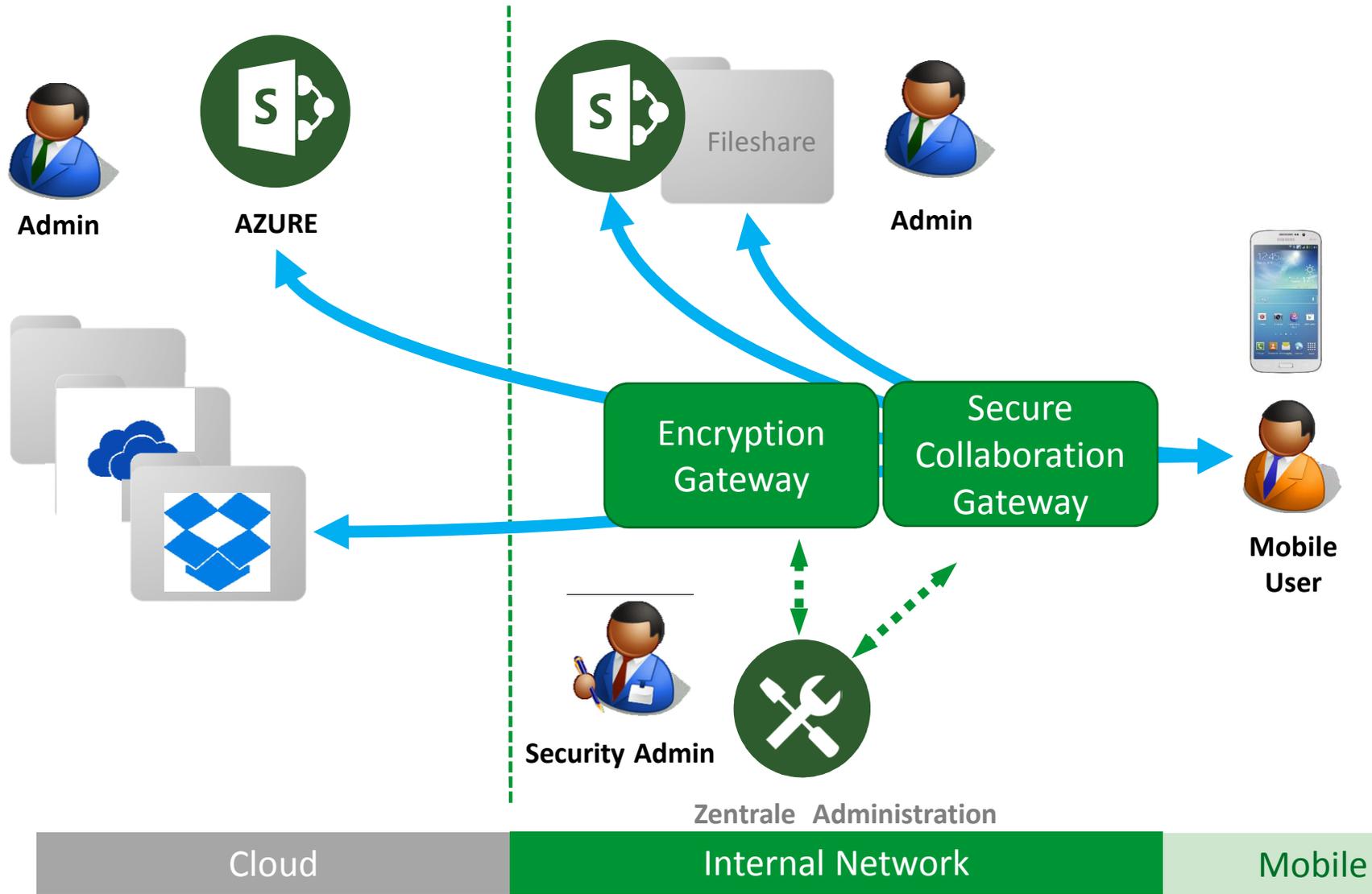
The CORISECIO approach:

- Read access of sensitive documents
- All mobile devices are supported
 - HTML5 Browser required
- An administrator will never get access to sensitive content
- Strong encryption methods
- The device will never store sensitive documents



Document Encryption

Secure Mobile Collaboration





Summary

- Encryption of documents provide best SharePoint security
- SharePoint administrators will never get access to sensitive content
- All team workers can transparently access encrypted documents
- Mobile co-workers can easily get read access to sensitive documents
- Solution is device independent
 - Only HTML5 browser required
- Secure collaboration - also mobile





Thank you

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