

e3



**Centraya**

Cloud Security without Compromise



# Data Protection Scenarios in the Cloud

## No Cloud

On-Premises

Data Security is the foundation of any Business.

With on-premises solutions, companies maintain full control over their data on in-house servers.

**Encryption** adds an extra layer of protection against data theft but remains optional.

## Private Cloud

Local Cloud Technology

In a private cloud, companies control their data, but third-party infrastructure poses a risk of provider access.

Contracts offer some protection.

**Encryption** remains the only real safeguard against unauthorized access.

## Hybrid Cloud

Private & Public Cloud

Once applications or data leave a company's infrastructure, **encryption** is without alternative.

If outsiders can access the data, protection must be ensured.

Ideally, business data should be fully encrypted, or at minimum, anonymized.

## Public Cloud

SaaS & Hyper Scaler

The public cloud makes **encryption** essential.

Cloud providers control the infrastructure and can access data – despite claims to the contrary.

US-based providers remain subject to US law.

## Multi Cloud

Multiple Saas

The biggest data protection challenge is securing multiple cloud environments that exchange data.

**Encryption** is a must!

No cloud provider should ever access unencrypted data, regardless of security claims.



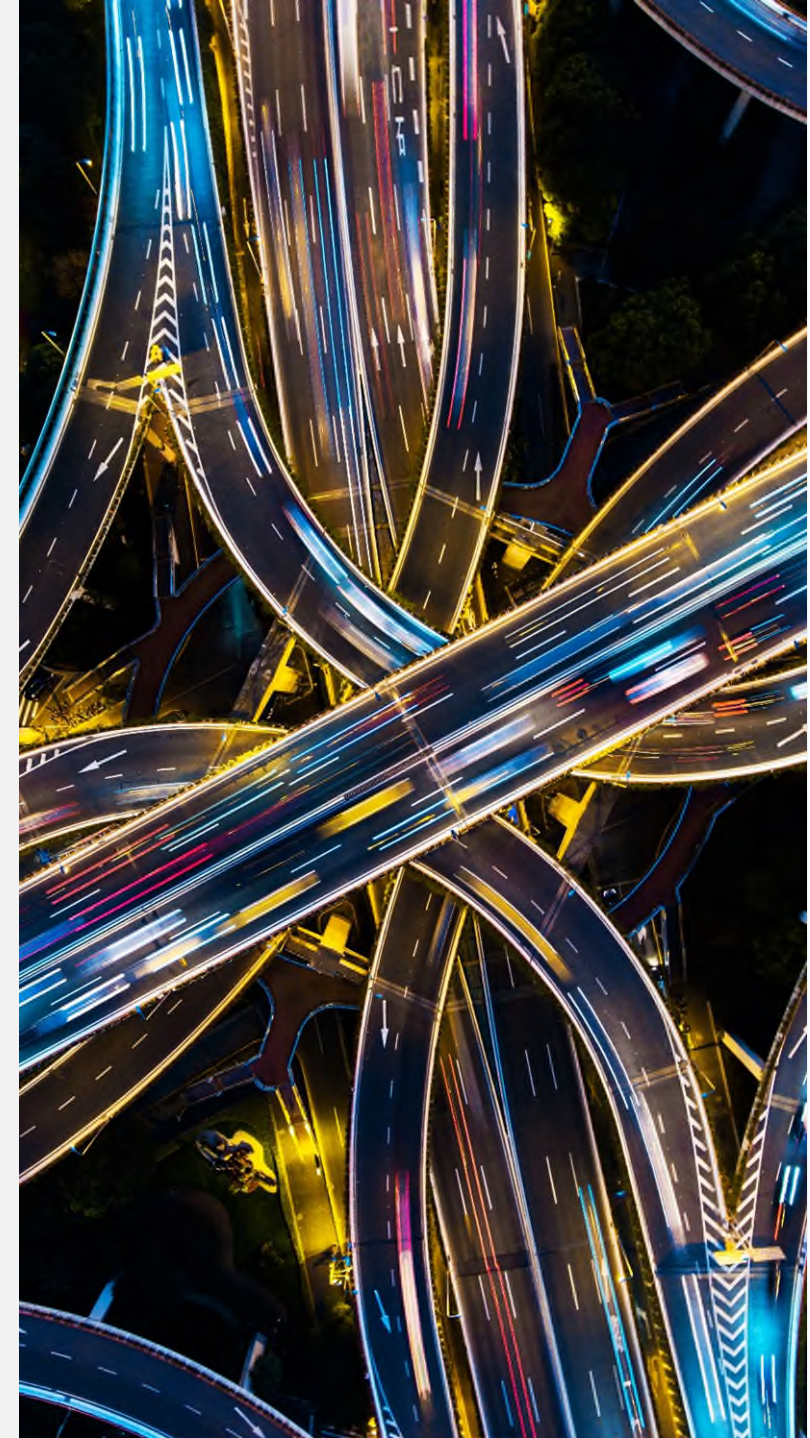
## Encryption: From On-premises to Multi-cloud

Contacts					
Recently Viewed					
2 items · Updated a few seconds ago					
<input type="checkbox"/>	Name	Account Name	Accou...	Phone	Email
1	<input type="checkbox"/> Lazy Loony	TheUltimateAccount	Zurich	+41 79 222 23 11	l.l@fhr.ch
2	<input type="checkbox"/> Demo Public	TheUltimateAccount	Zurich		ctschirky@e3.eu

Contacts					
Recently Viewed					
2 items · Updated a few seconds ago					
<input type="checkbox"/>	Name	Account Name	Accou...	Phone	Email
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**Centraya** provides field-based encryption, ensuring secure, compliant cloud usage without compromising functionality.

encrypts data across on-premises, private, hybrid, public, and multi-cloud environments – ensuring security for any future cloud scenario through a single application.





# Centraya: Key Control and Encryption

## Key



Who controls the key?

## Mechanism



Who defines or implements the mechanism?

## Location

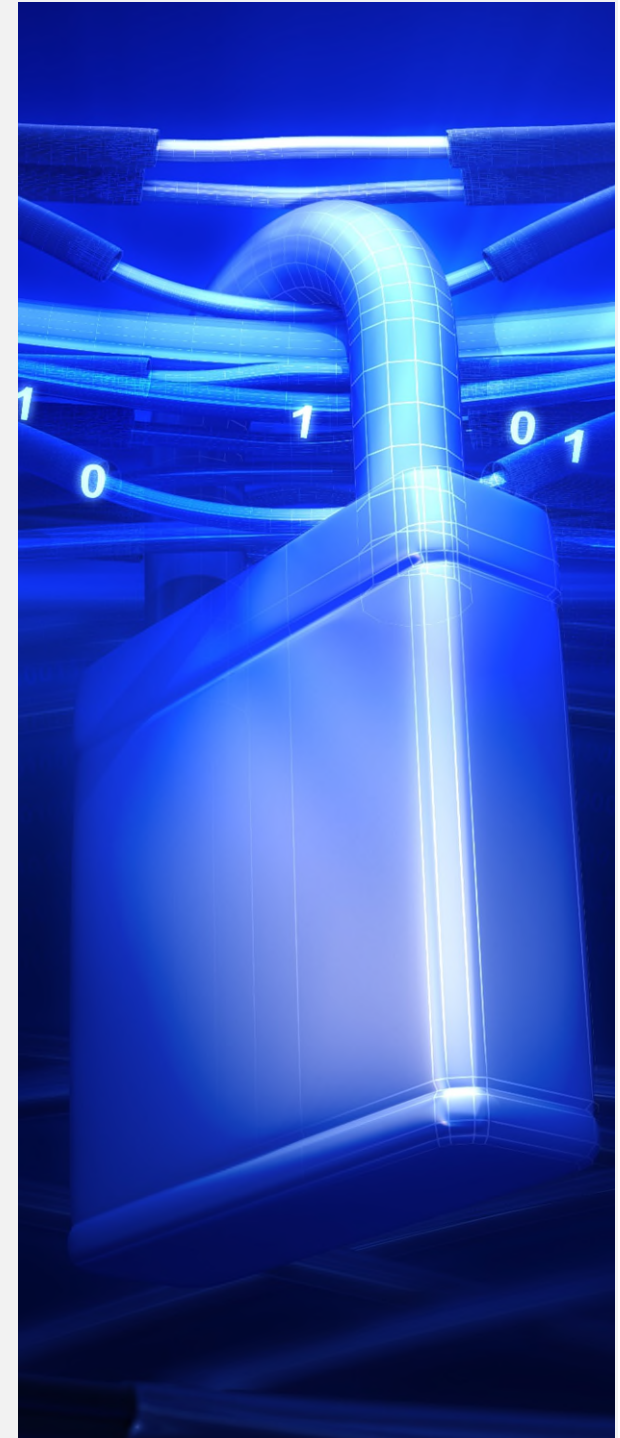


Who controls the location of the encryption?

Encryption management:  
Owner of the key and the Encryption

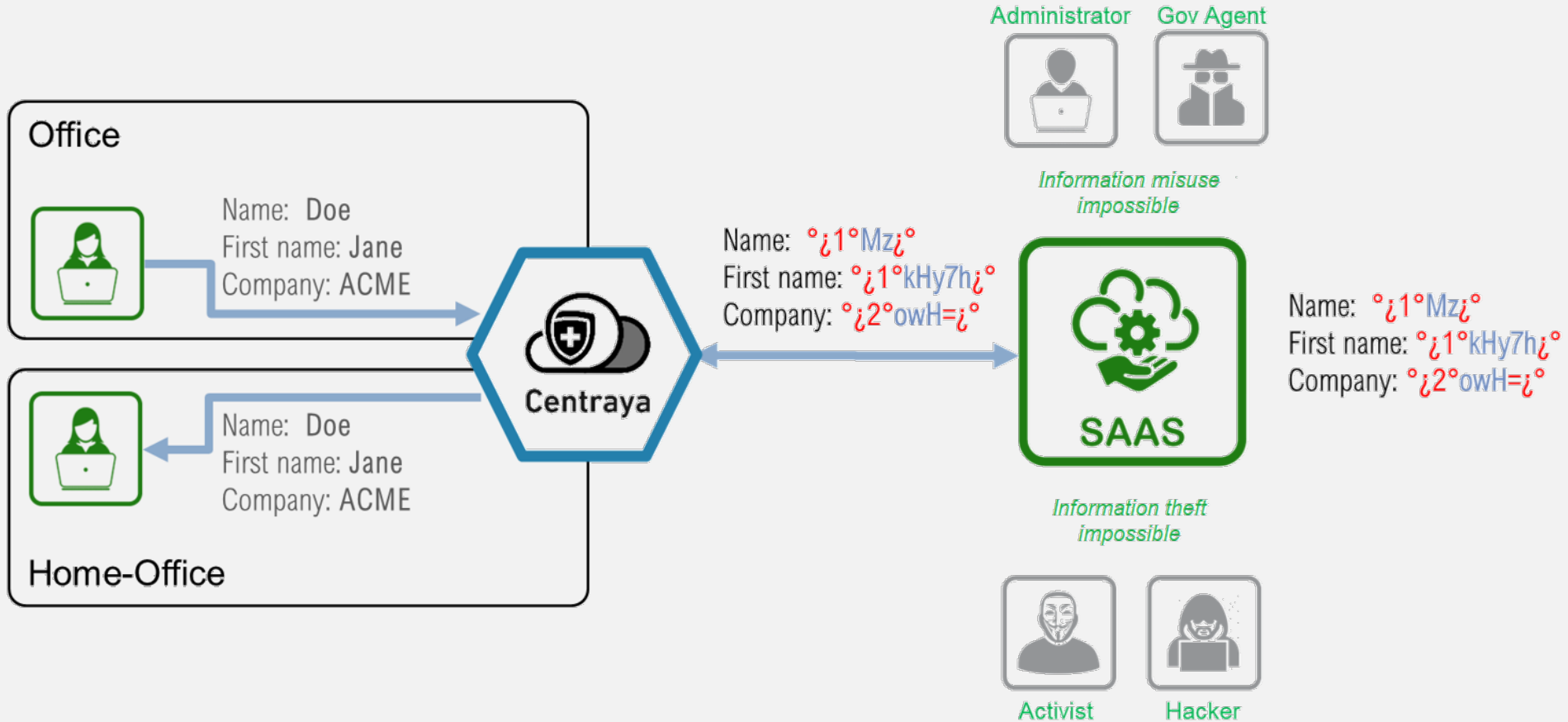
	Key	Mechanism	Location
Provider Key	No control	No control	No control
Provider Managed Key	No control	No control	No control
Bring your own Key	Partial control	No control	No control
Hold your own Key	Full control	No control	No control
Local Encryption	Full control	No control	Full control
<b>Bring your own Encryption</b>	Full control	Full control	Full control

**Centraya** gives users full control over encryption keys, encryption mechanism, and its location.





# Centraya = "Bring Your Own Encryption"





# Centraya: Ultimate Protection for Your Business Data



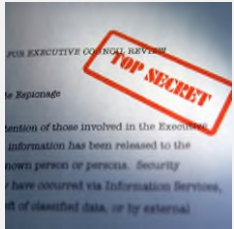
## Swiss Data Protection

**Centraya** encrypts data to prevent unauthorized access, ensuring compliance with legal requirements for processing personal data.



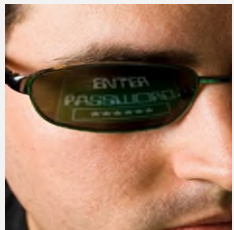
## Compliance and Regulation

**Centraya** ensures compliance with FINMA, EBA, CFTC, and other regulatory requirements for processing and storing business data—regardless of location.



## IP and Trade Secrets

Protect your prototypes and sensitive data from unauthorized access with **Centraya** encryption. No need for separate networks – secure confidentiality effortlessly.



## Ransomware and Hackers

Encrypted data remains safe from hackers and ransomware attacks. To access encoded content, attackers would have to break **Centraya** encryption – an almost impossible task. Built on the strictest industry-standard algorithms, your data stays secure.





**e3 stands for 20+ years of IT Security Excellence.**

We provide future-proof software solutions to protect against cyberattacks and data loss. Our expertise helps companies navigate digital transformation while ensuring data security and regulatory compliance.

By reducing risks and unlocking new opportunities, we enable forward-thinking business models. With a focus on evolving social and technological trends, our solutions are built to tackle tomorrow's challenges.

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