Hype-free Security for Infrastructure and Cloud

Private Machines Inc. Proprietary and Confidential
Do Not Distribute. Released Under NDA

What We Do

Private Machines

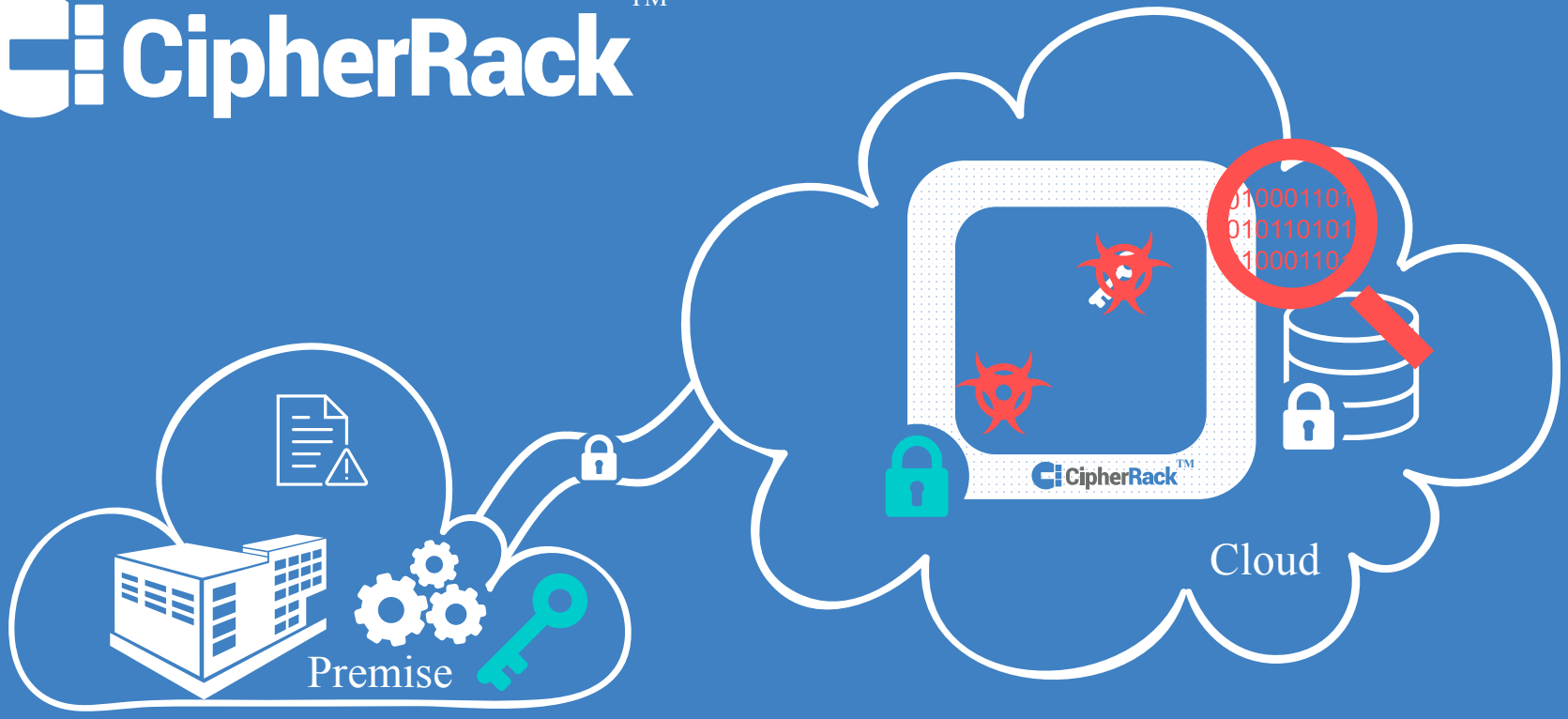
Empower enterprises to move to
the cloud protected, in full control

How We Do It

Private Machines

Trust Nothing.
Run Encrypted.

CipherRack™



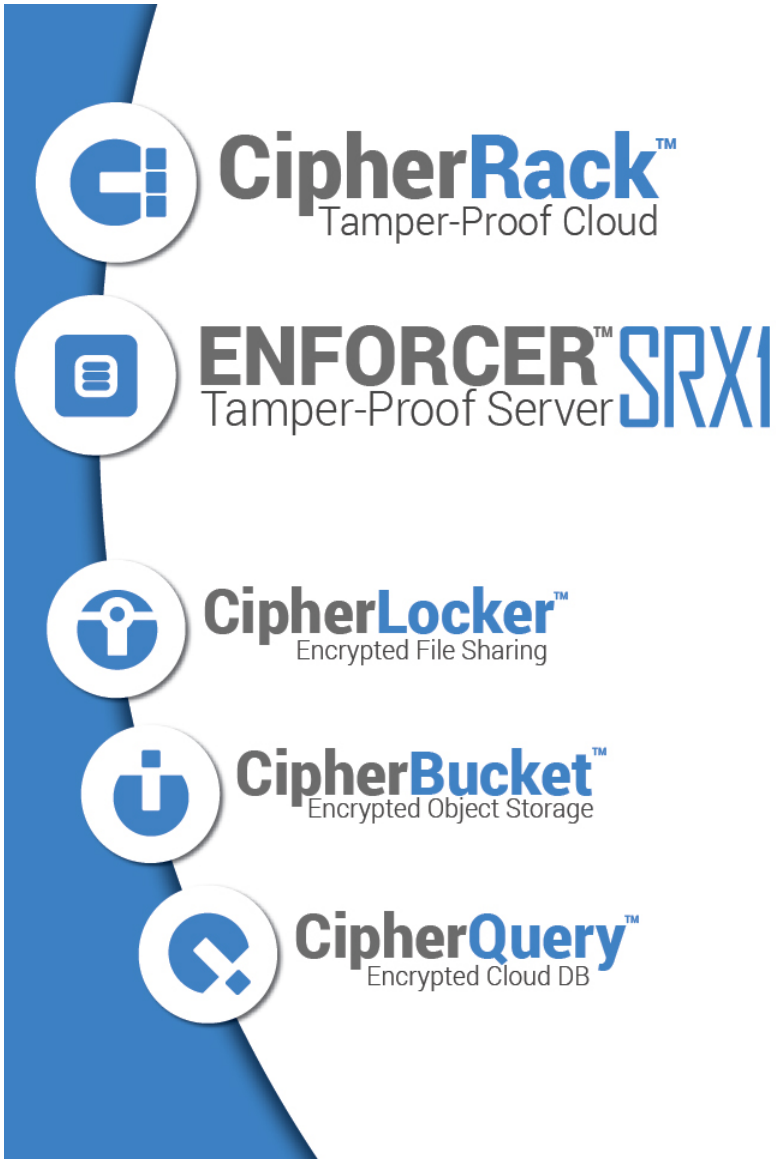
Private Machines

Why You Need It

Private Machines

Indemnities don’t protect from breaches.
Regulators come after you, not the cloud.

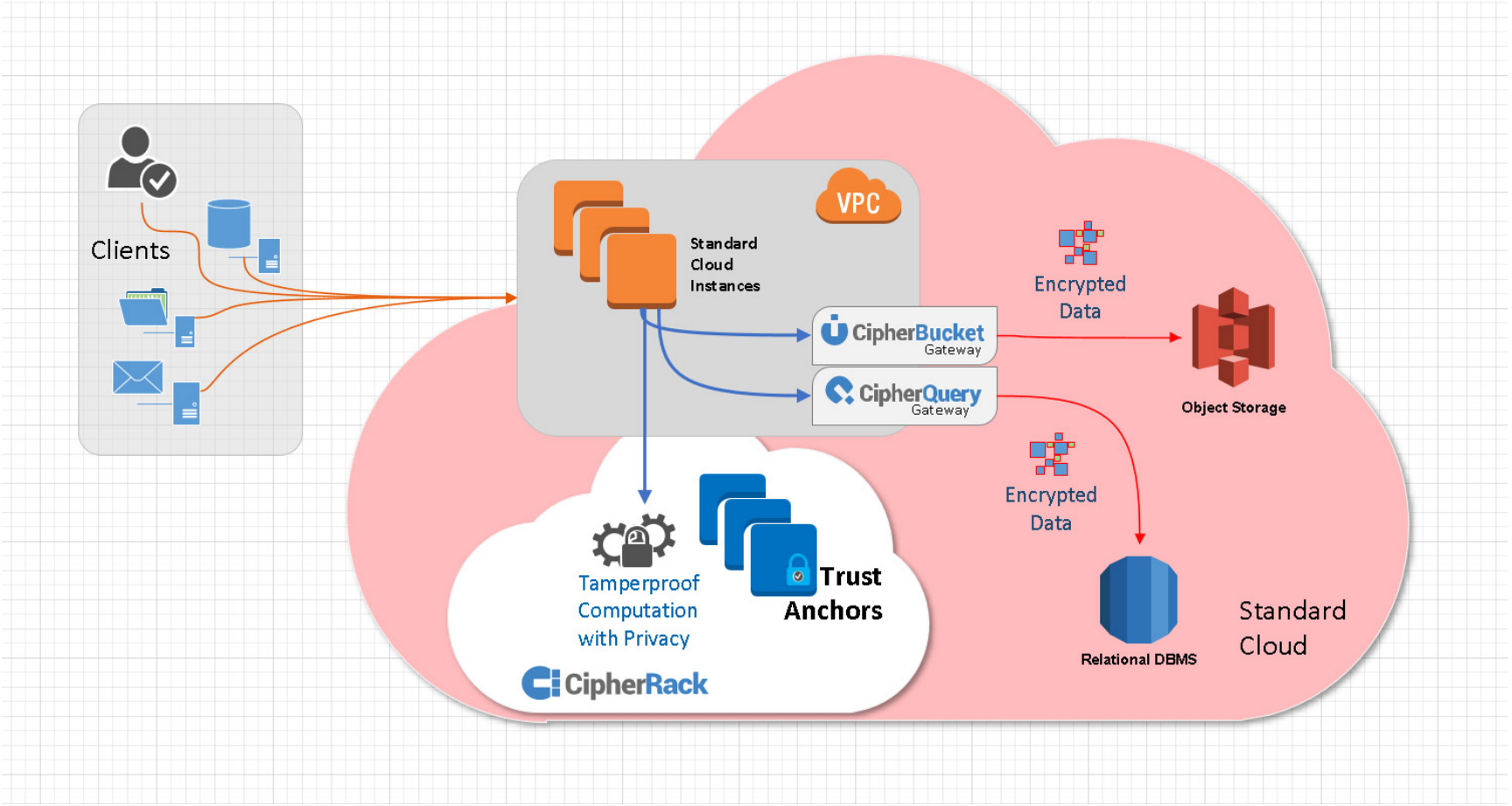
Trust Nothing.
Run Encrypted.



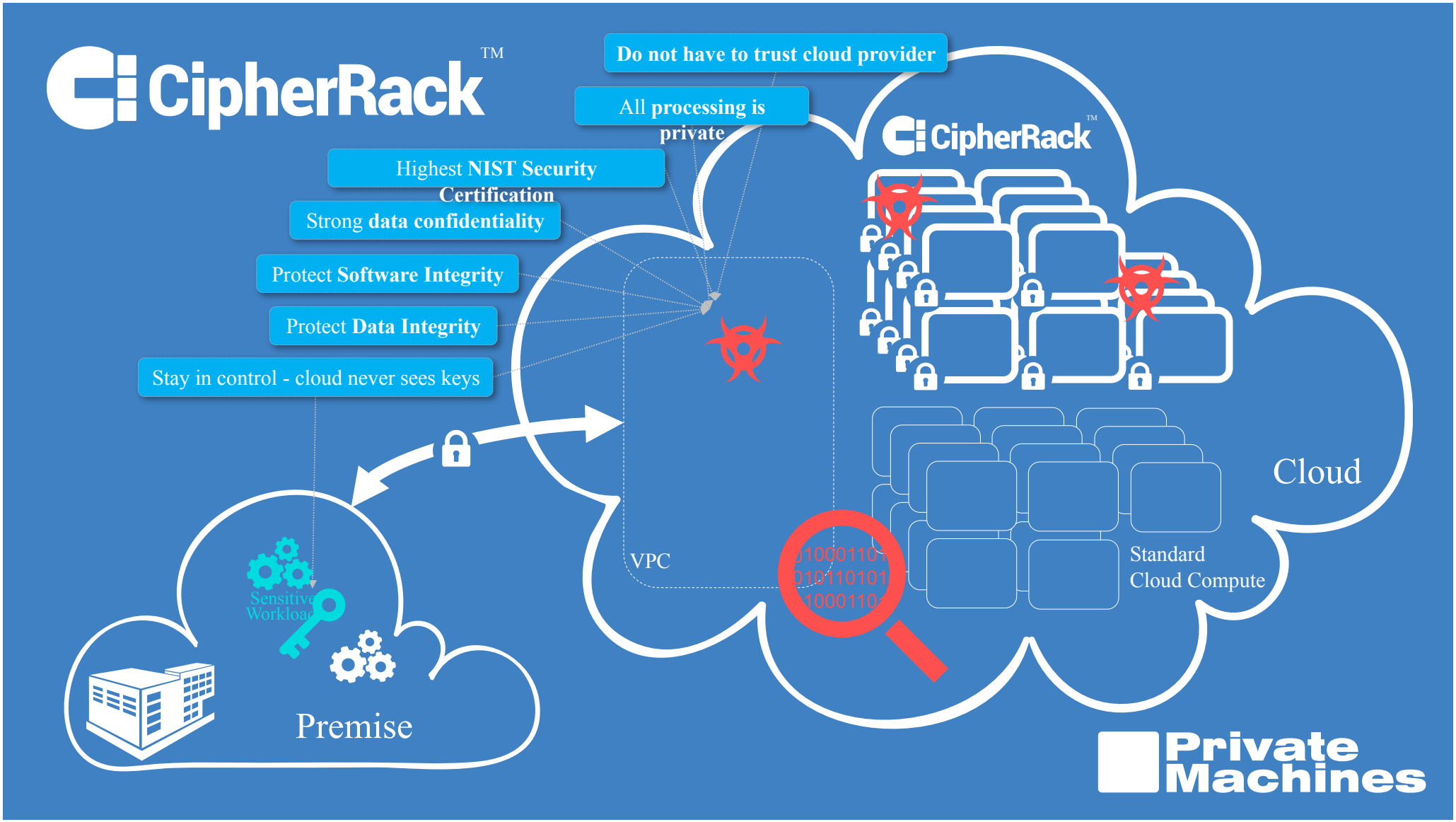
Private Machines
Hype-free Security for Infrastructure and Cloud

Overview

Private Machines



CipherRack
Tamper-Proof Cloud


CipherRack™
Do not have to trust cloud provider
All processing is private
Highest NIST Security Certification
Strong data confidentiality
Protect Software Integrity
Protect Data Integrity
Stay in control - cloud never sees keys
CipherRack™
Cloud
VPC
Standard Cloud Compute
Sensitive Workload
Premise
Private Machines

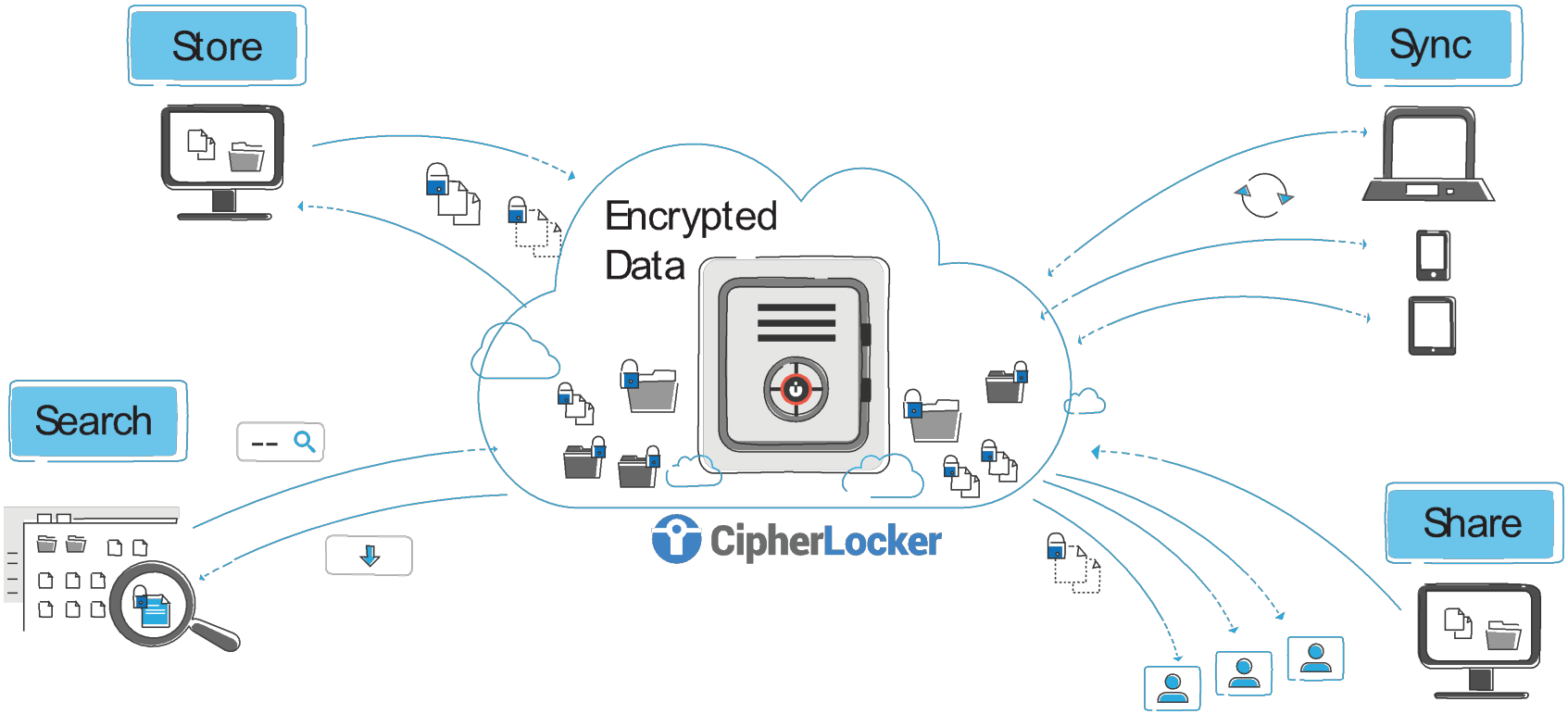
CipherLocker

Encrypted Enterprise File Sharing

https://cipherlocker.com

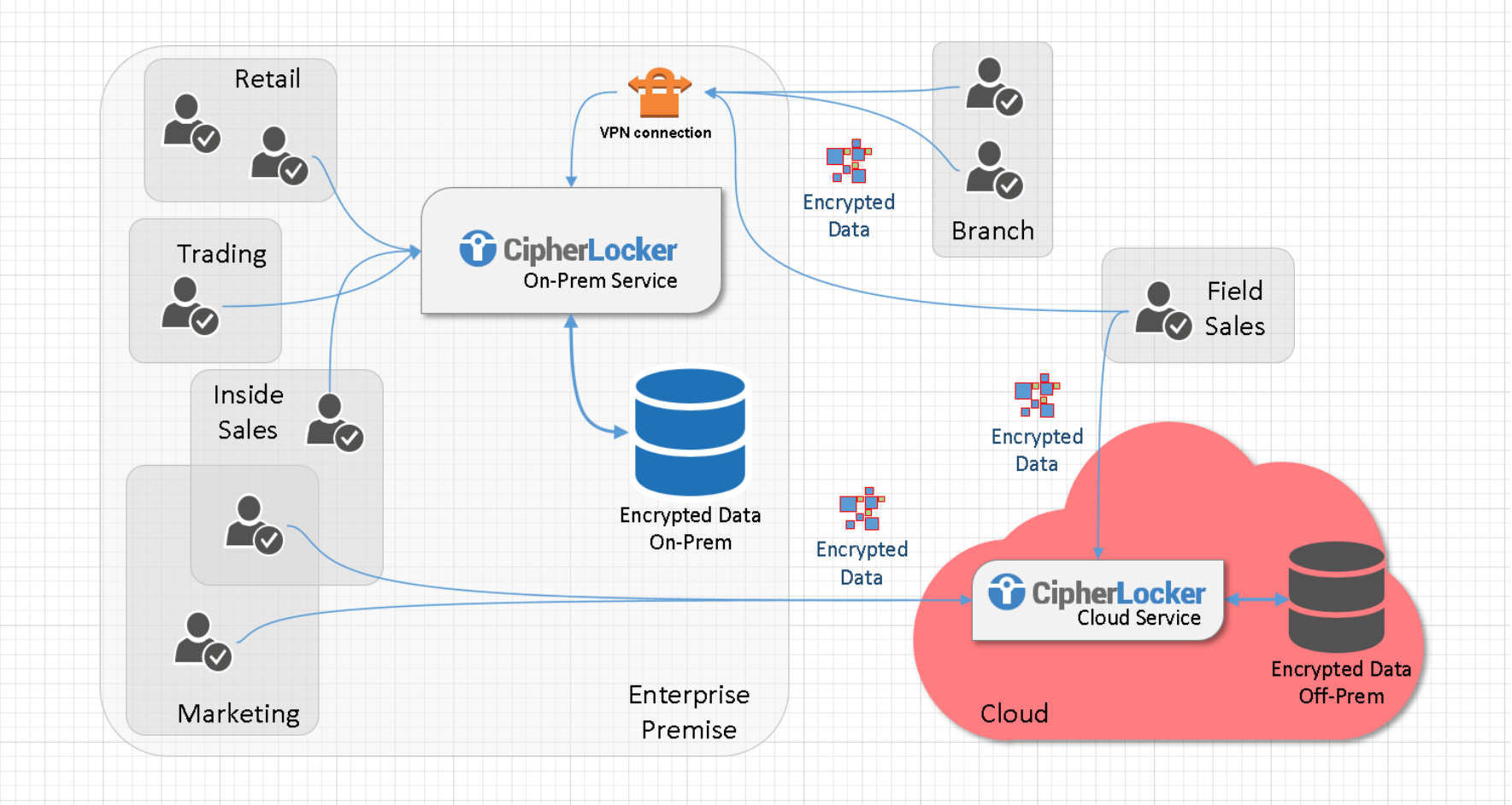
Open Source and Free. Supported by the National Science Foundation Transition to Practice Program

CipherLocker™: Encrypted Enterprise File Sharing



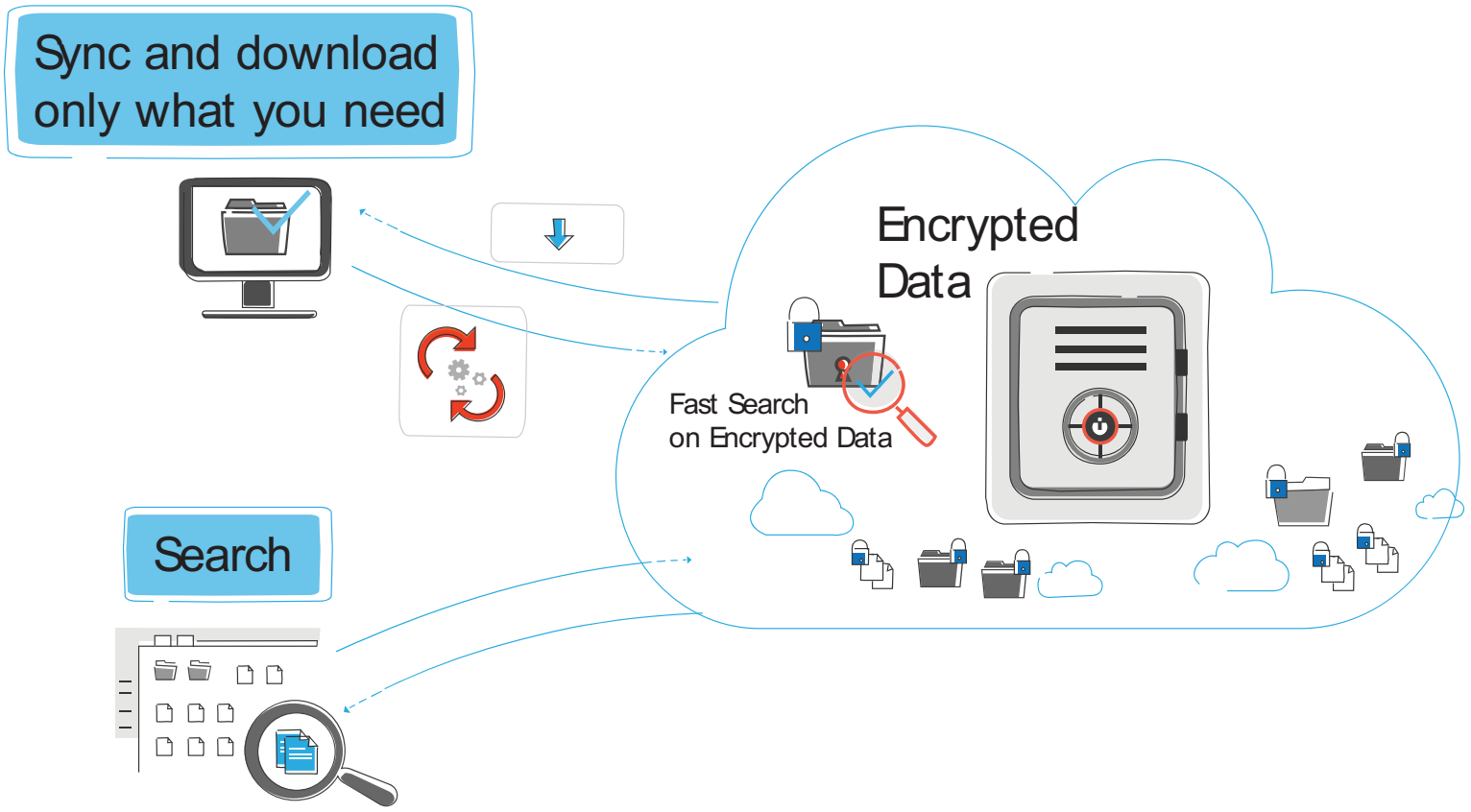
Deployment

CipherLocker



Encrypted Data Search Portal

CipherLocker



Feature Comparison

CipherLocker

	CipherLocker™	Dropbox	Box	Tresorit	Boxcryptor	SpiderOak
Search In Encrypted Files Without Downloading	●	✖	✖	✖	✖	✖
Cloud Absolutely Never Sees Your Data	●	✖	✖	◎	◎	◎
Cloud Never Sees Encryption Keys	●	✖	✖	◎	◎	◎
Secure Public Key Exchange	●	✖	✖	✖	✖	✖
Share-Wide Integrity Protection	●	✖	✖	✖	✖	✖
Sharing Secure Against Cloud Insiders	●	✖	✖	✖	✖	✖
Grouping/Teaming Secure Against Cloud Insiders	●	✖	✖	✖	✖	✖
Source-Code Available for Evaluation	●	✖	✖	✖	✖	✖
Cryptographic Protocols Publicly Documented	●	✖	✖	◎	◎	◎
Ranked Search	●	●	●	✖	✖	✖
Semantic Security	●	✖	✖	◎	◎	◎
Zero-Leak™	●	✖	✖	◎	◎	◎
Redundancy Across Multiple Clouds	●	✖	✖	✖	✖	◎