

Modern Cloud Day 2019 - Paris

Protection maximale :
pas de concession pour vos données

VINCENT MURCY - DATA SECURITY ARCHITECT (ORACLE)

EMMANUEL BOUT - SECURITY BUSINESS DEV (THALES)

Safe harbor statement

The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions.

The development, release, timing, and pricing of any features or functionality described for Oracle's products may change and remains at the sole discretion of Oracle Corporation.

Thales: A Global Leader in Digital Security

Over **80,000**
employees 

68
Countries 
Global presence

1 bn € 
Self-funded R&D*

* Does not include externally financed R&D

Sales in 2018 
19 bn €

Data Breaches on The Rise

60 %

.....
say they have been
breached at some point
in their history, with...

35 %

... experiencing a breach
within the **past year alone.**



less than **30 %**

.....
of organisations are using **data encryption** within these **environments**.



More than

70 %

.....

of breaches were based on a fraudulent
Access using an identity usurpation

RESEARCH AND ANALYSIS FROM:



ANALYZE
THE
FUTURE

THALES

Businesses are taking advantage of the cloud more than ever



41%

.....

of all corporate IT needs are met by the cloud compared to 36% three years ago



48%

.....

of all corporate data is stored in the cloud compared to 35% three years ago

Types of data being stored in the cloud



60%

Customer information

.....



48%

Customer emails

.....



46%

Consumer data

.....



46%

Financial business information

.....



38%

Payment information

.....

Pourquoi les pirates s'attaquent aux bases de données ?



Exploiter: voler des données personnelles, des noms d'utilisateur et des mots de passe pour accéder à des données plus importantes



Prise en otage: voler des enregistrements, des données personnelles, des noms d'utilisateur et des mots de passe et demander à l'organisation de les restituer.



Vol d'infrastructure: prendre le contrôle des ressources de calcul, de stockage et du réseau d'une entreprise afin de ne pas les payer



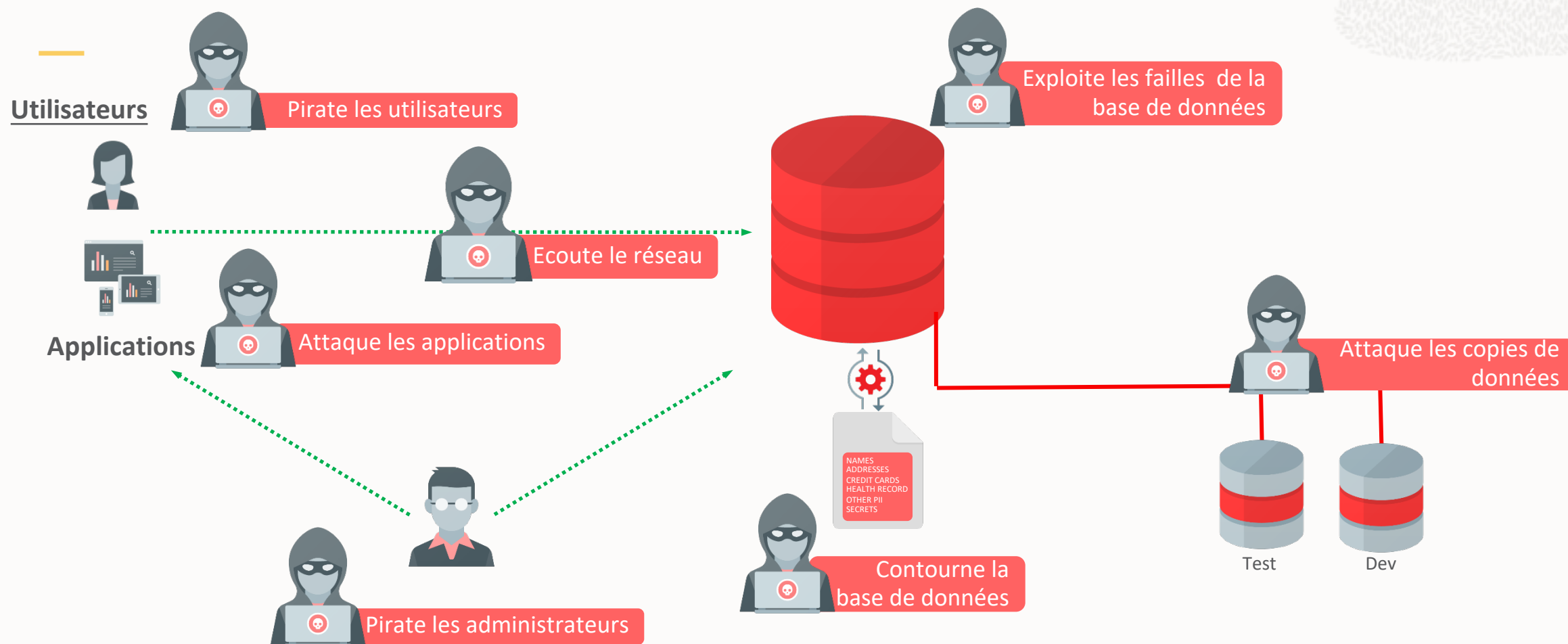
Déni de Service: empêcher le bon fonctionnement du site web pour nuire à l'image et la réputation de l'entreprise

20%

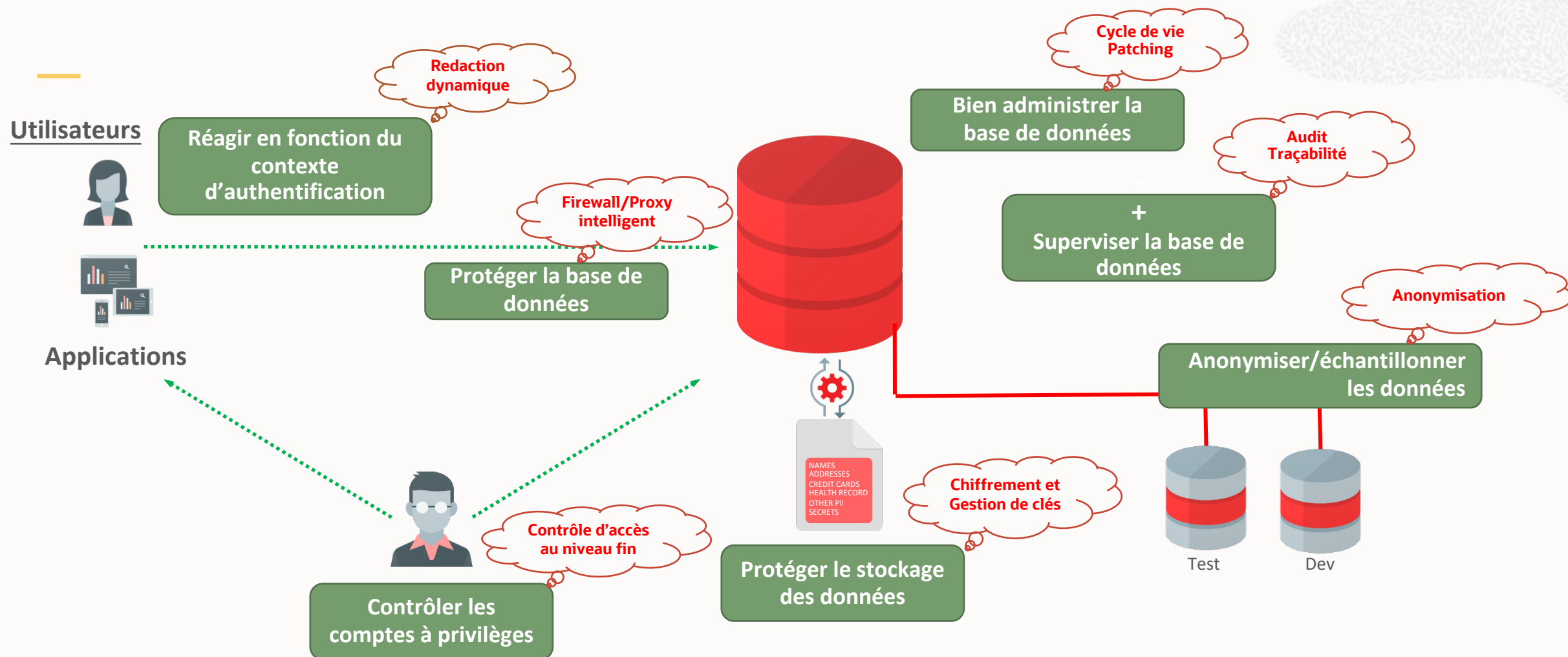
Des attaques concernent directement les bases de données

- Verizon Data Breach Investigation Report 2019

Comment les pirates s'attaquent aux bases de données ?

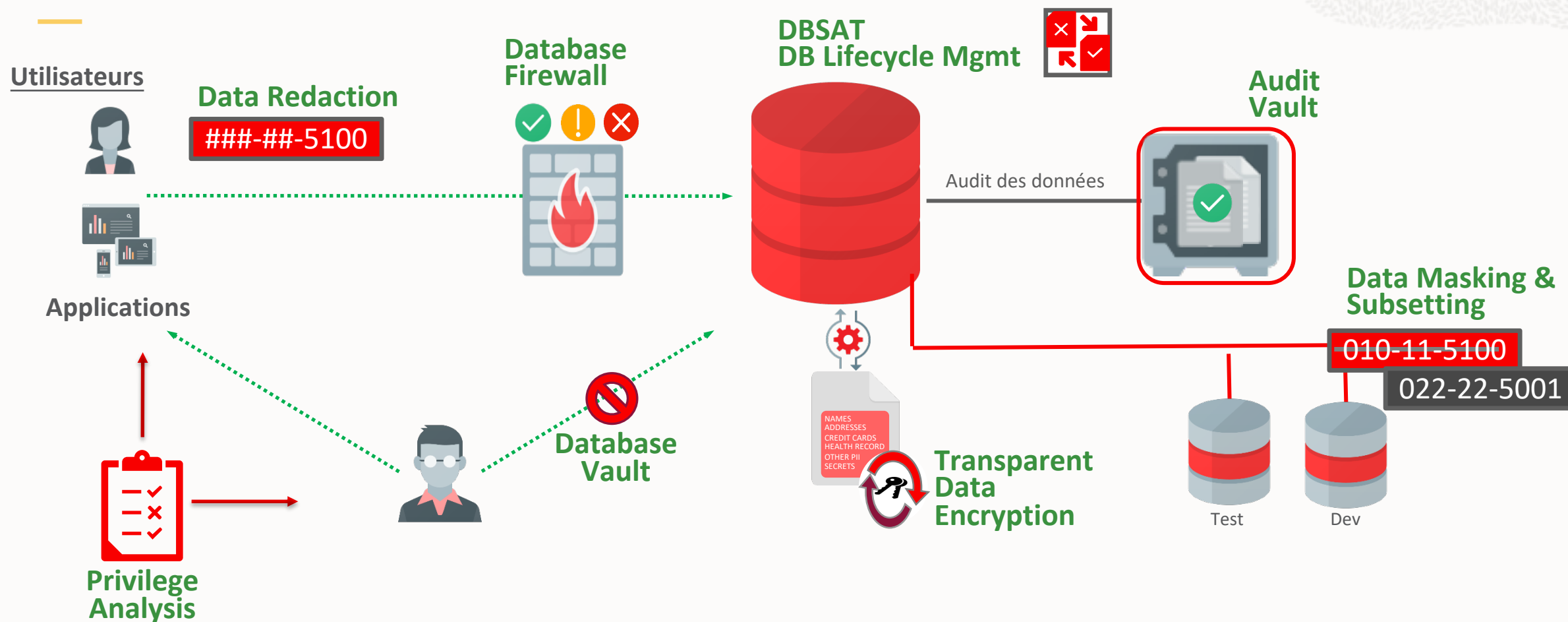


Quelle **mesure de sécurité** face à quelle menace ?

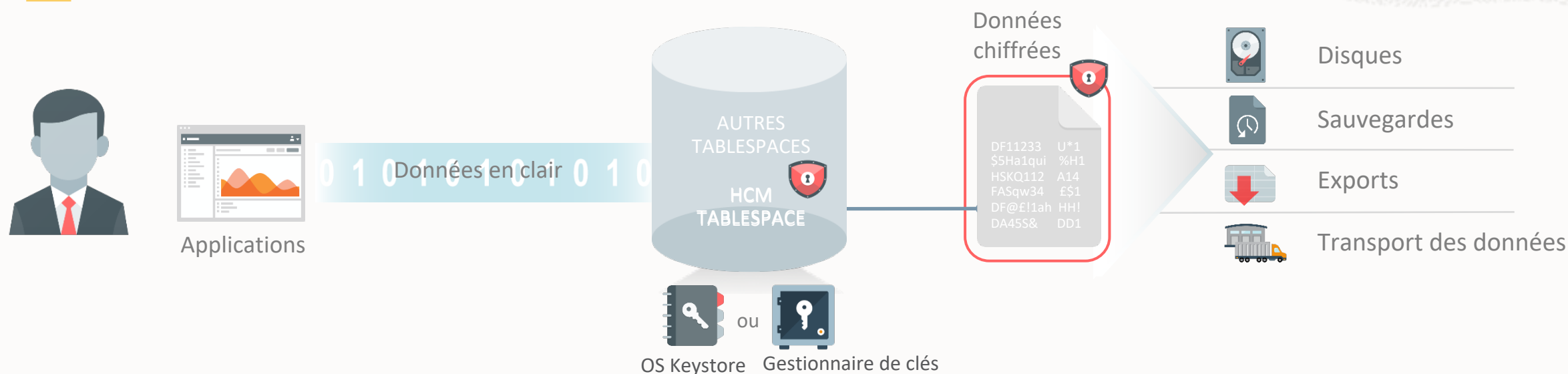


L'architecture de **sécurité maximale** de la base de données?

Les solutions Oracle



Chiffrement des données avec **Oracle Transparent Data Encryption**



- Chiffrement en mode **colonnes** ou **tablespaces**
- **Protéger les fichiers** sur disque et les sauvegardes
- Très **performant**
- **Transparent** pour les applications, pas d'adaptation
- **Intégré** au moteur Oracle

ORACLE

JD EDWARDS

SIEBEL

SAP

PeopleSoft.



Only half of businesses remain in control of the keys to their encrypted data stored in the cloud



53%

of businesses are
controlling the encryption
keys when data is
encrypted in the cloud

despite

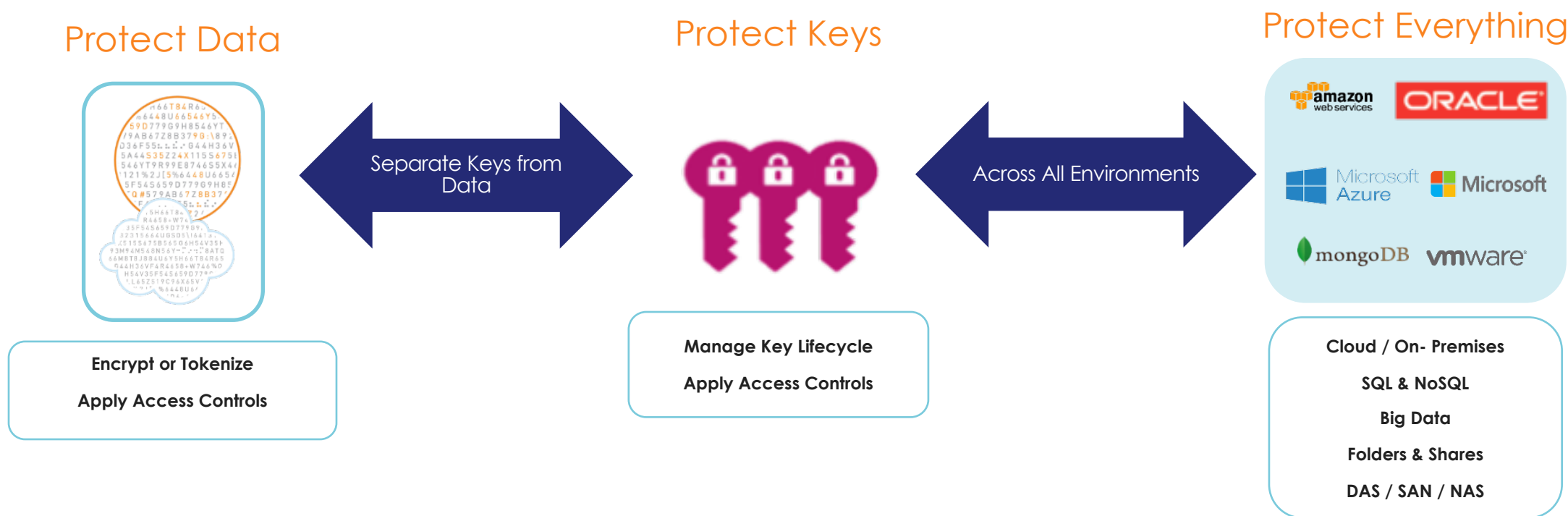
78%

saying it's important to retain
ownership of the encryption keys

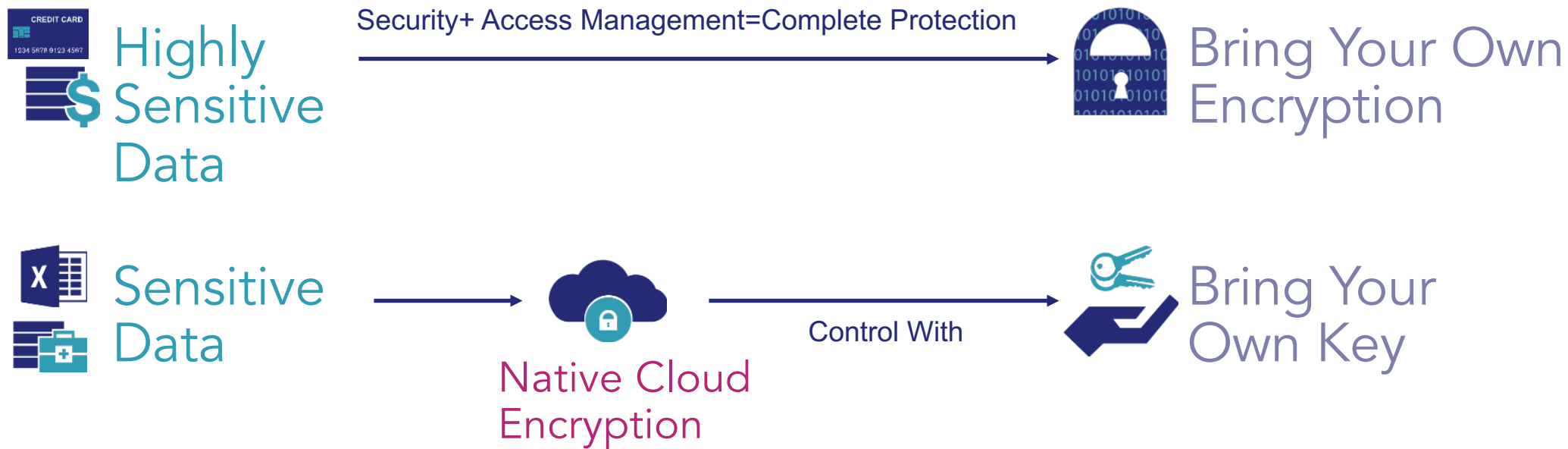


Strategies to centralize control of keys to
encrypted data in the cloud

Separate Data from keys that encrypt Data

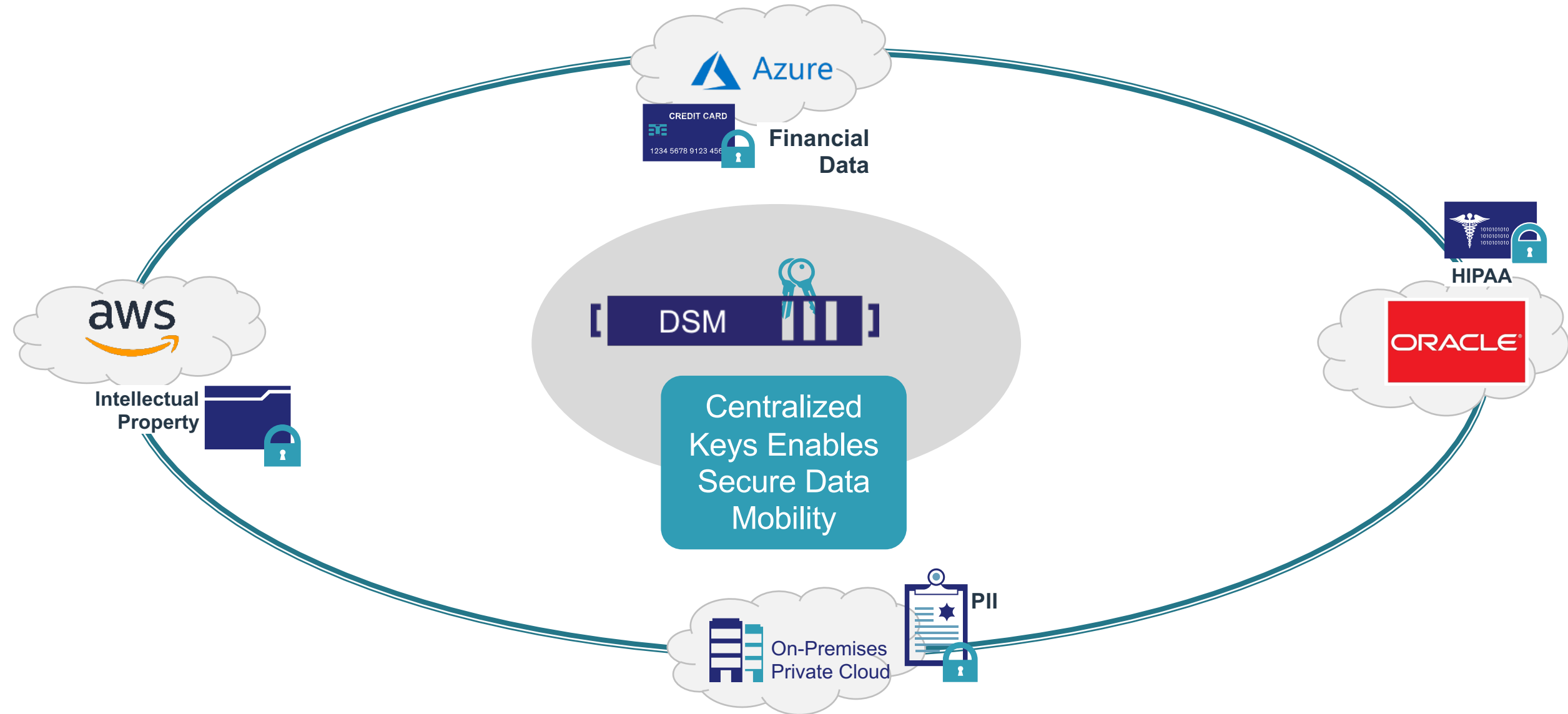


Bring Your Own Encryption? Bring Your Own Key?



BYOE and BYOK are complements

Encrypted Lift and Shift is Only Possible with Advanced Encryption

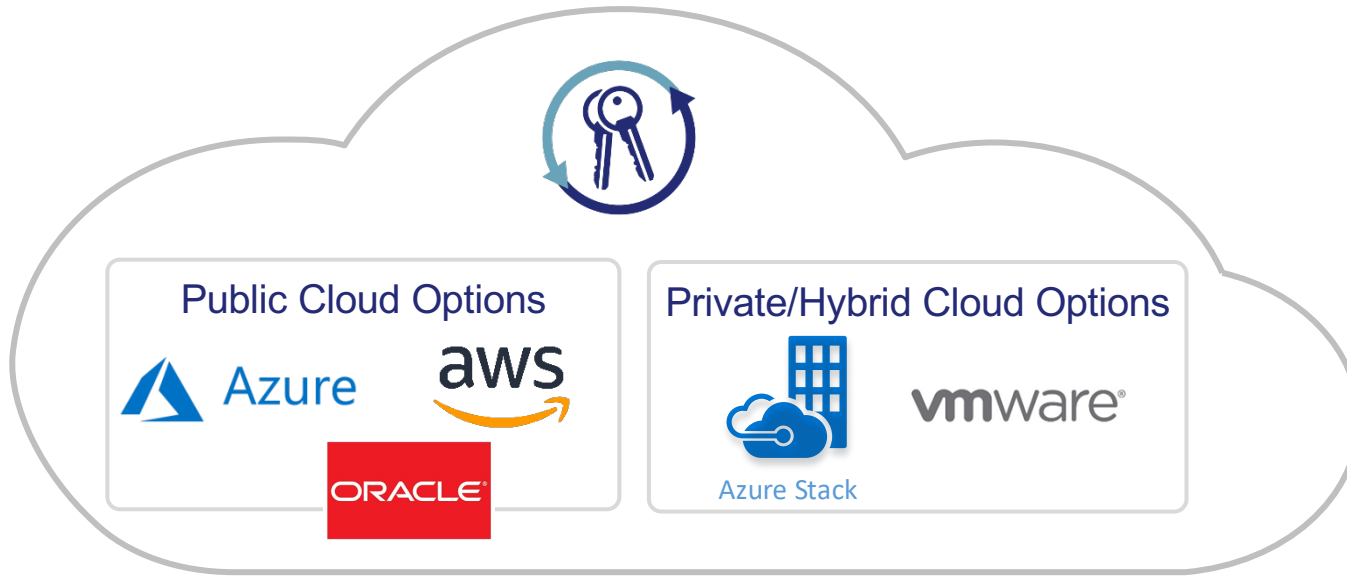


CipherTrust Cloud Key Manager

- Centralized, multicloud key life cycle management for IaaS, PaaS and SaaS
- Strong Encryption Key Security and Control
- Enhanced Security Team Efficiency
- The Compliance Tools You Need



CipherTrust Cloud Key Manager Deployment Options



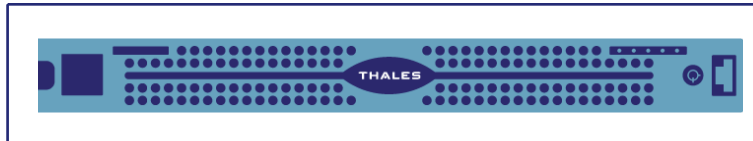
On-Premises or Hosted Data Center



Secure Key Origination and Storage up to FIPS 140-2 Level 3



Vormetric DSM Appliances

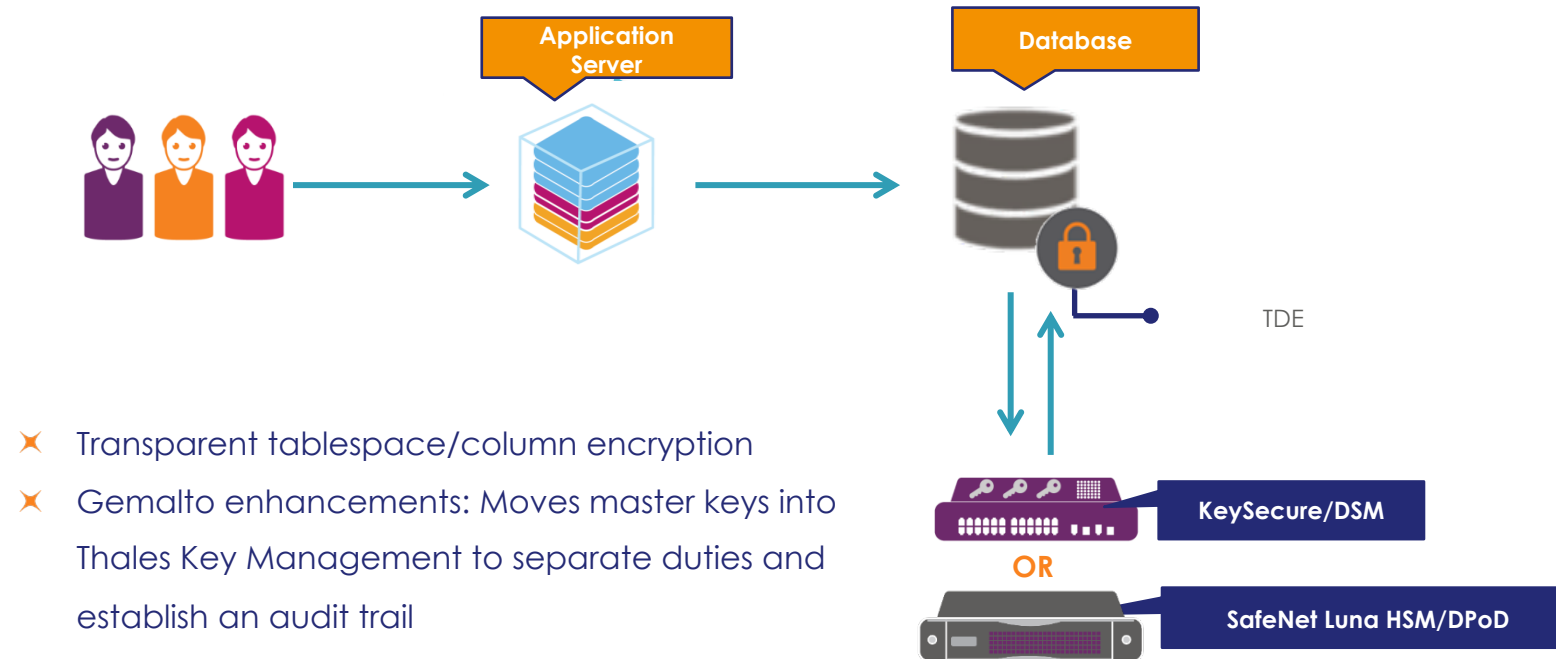


Virtual DSM

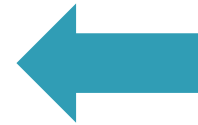


Supported HSMs

Oracle TDE & Thales KMS



Oracle @Customer with external key manager



SafeNet Luna HSM/DPoD

- ✧ Meet your certification
- ✧ Thales enhancements: Moves master keys into SafeNet HSM to separate duties and establish an audit trail

Thales on Oracle Cloud Marketplace

 Cloud Marketplace

Oracle Cloud Home Publishers ▾ Resources ▾ [Sign In](#) English ▾



SafeNet Data Protection on Demand (DPoD)

Deploy and manage encryption, key management and hardware security module services, on-demand

Oracle Cloud Infrastructure | Security

★★★★★ (2)

\$

[Get App >](#)

[Launch Demo](#)

[f](#) [t](#) [in](#) [link](#) [email](#) [star](#)

[phone](#)

[Overview](#)

Ratings (2)

Provider

App by Gemalto

SafeNet Data Protection on Demand - powering HSM On Demand for Oracle TDE SafeNet Data Protection on Demand is a cloud-based platform that provides a wide range of on demand encryption and key management services, including HSM On Demand for Oracle TDE, through a simple online marketplace.

SafeNet Data Protection On Demand is a cloud-based platform that provides a wide range of on demand HSM and key management services through a simple online marketplace. With SafeNet Data Protection On Demand, security is made simpler, more cost effective and easier to manage because there is no hardware to buy, deploy and maintain.

Évènement Oracle 19 novembre Palais des Congrès Forum Innovation

LAB ORACLE



The World Bee Project



Connected city



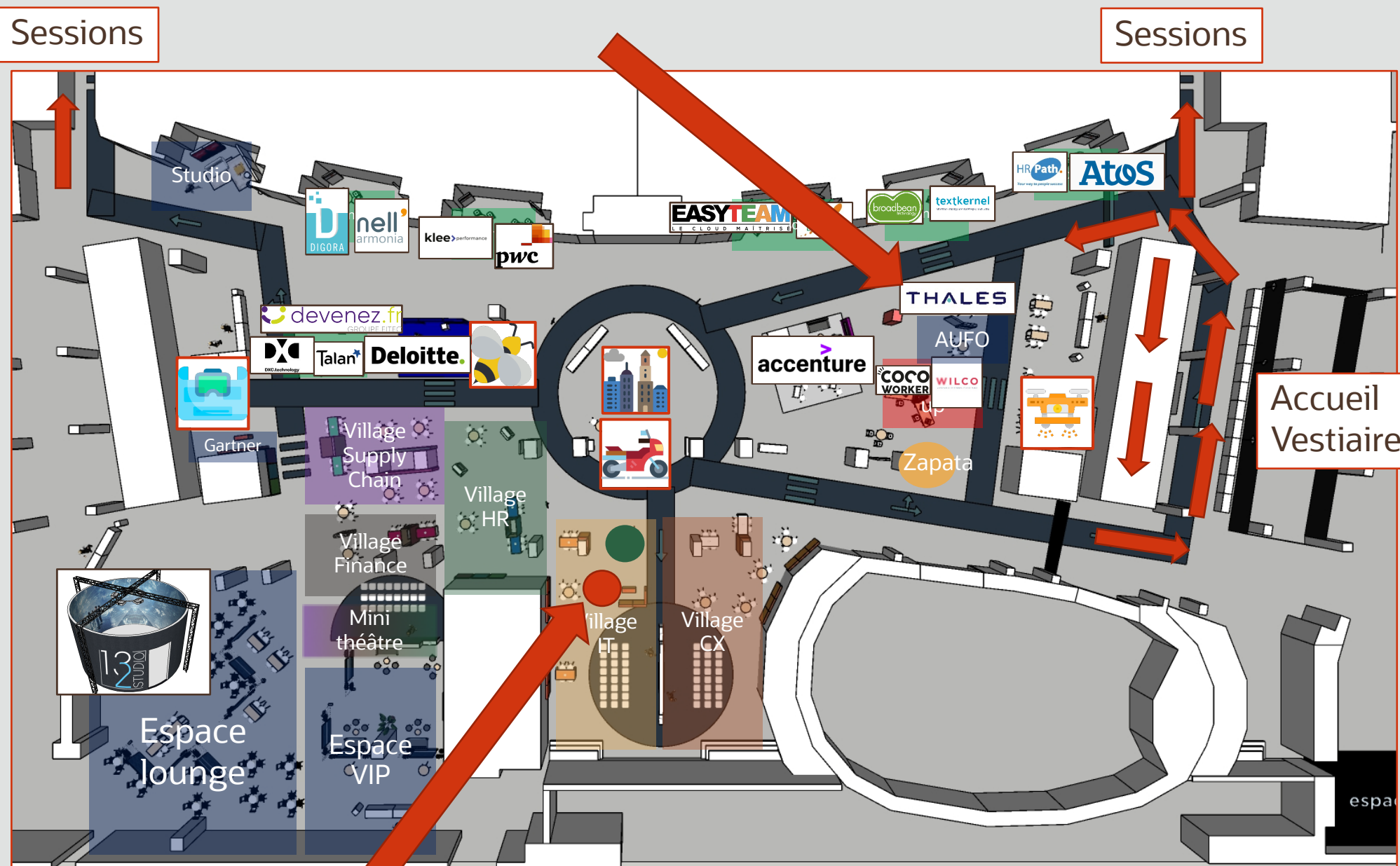
XR Lab



Drone



Yamaha 450 Experience



Stand Sécurité



Stand Trials



Oracle Cloud Free Tier

Essayez le Cloud
Oracle



Activez l'offre au
Village IT sur le
stand Trials

Always Free

Services que vous pouvez utiliser pour
une durée illimitée



30-Day Free Trial

Obtenez \$500 de crédits gratuits

Essayez gratuitement : bit.ly/OracleCloudFreeTier

