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Improving Enterprise Security with Inside Out Approach

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Identity Management & Security

Oracle Security Solutions





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\$7B FRAUD

Société
Générale

12M Credit Cards
STOLEN

Sony

6M Passwords
STOLEN

LinkedIn

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\$7B FRAUD

Société
Générale

12M Credit Cards
STOLEN

\$1 TRILLION
total loss from CYBERCRIME



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3. Financial Loss

2. Regulatory Fines

1. Brand Decline

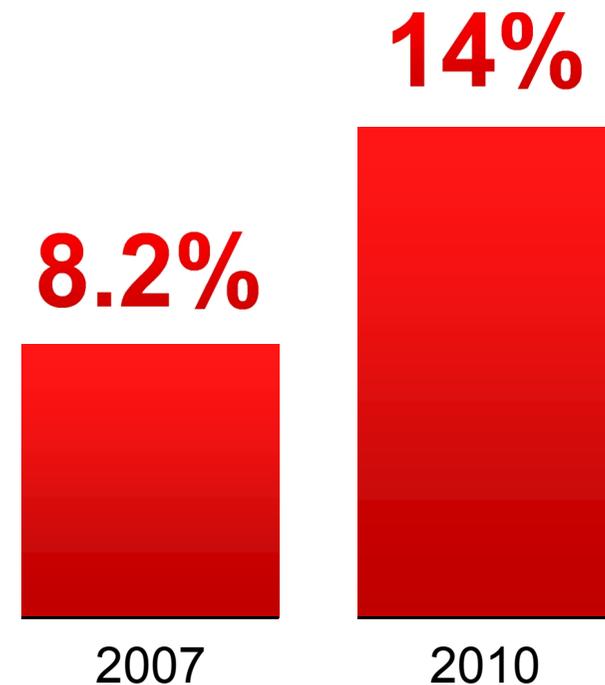
97% PREVENTABLE



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IT SECURITY response has been **reactive**, shifted attention **away from** apps and data

IT Budget on Security



32% hacking involved stolen credentials

80% breached records from web/app servers

96% breached records from db servers

CORE

5% from privilege misuse

94% attacks against servers

3% breaches against off line data

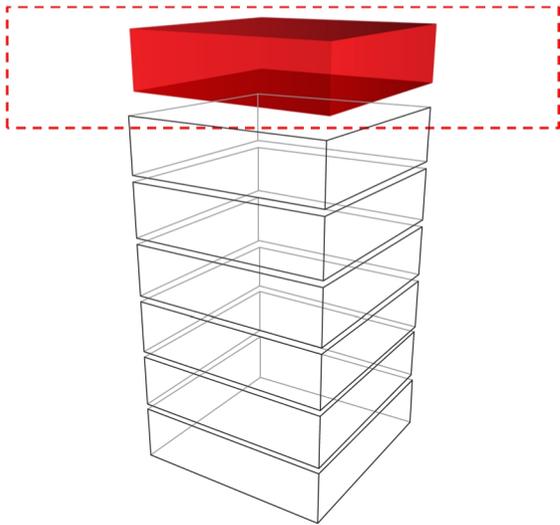
5% breaches against file servers

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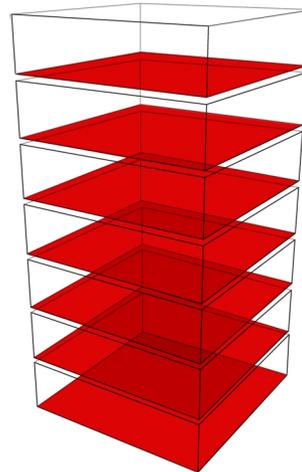
Start Inside

Security at every layer & between systems

Security at Each Layer



Security Between Layers



Security Between Systems



Services & Consulting

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Focus On The Core Systems

Focus on four areas

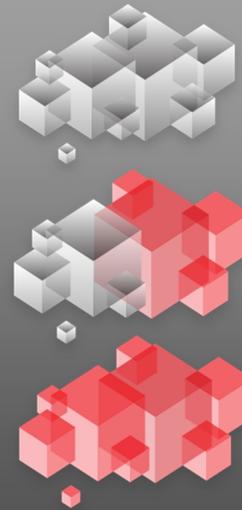
The Experience



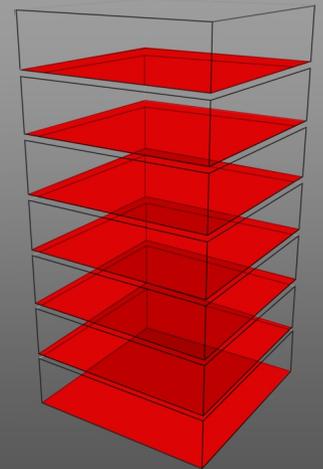
The Applications



The Cloud



The Data Center



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- **Secure information
THROUGHOUT
ITS LIFECYCLE**
- **Move controls
CLOSER TO THE
SYSTEMS THEY
PROTECT**



An Inside Out Approach

Protect information where it resides throughout its lifecycle

Unstructured
Data & OS

- Encryption
- VM Isolation
- Encrypted Backup
- Access Control
- Monitoring

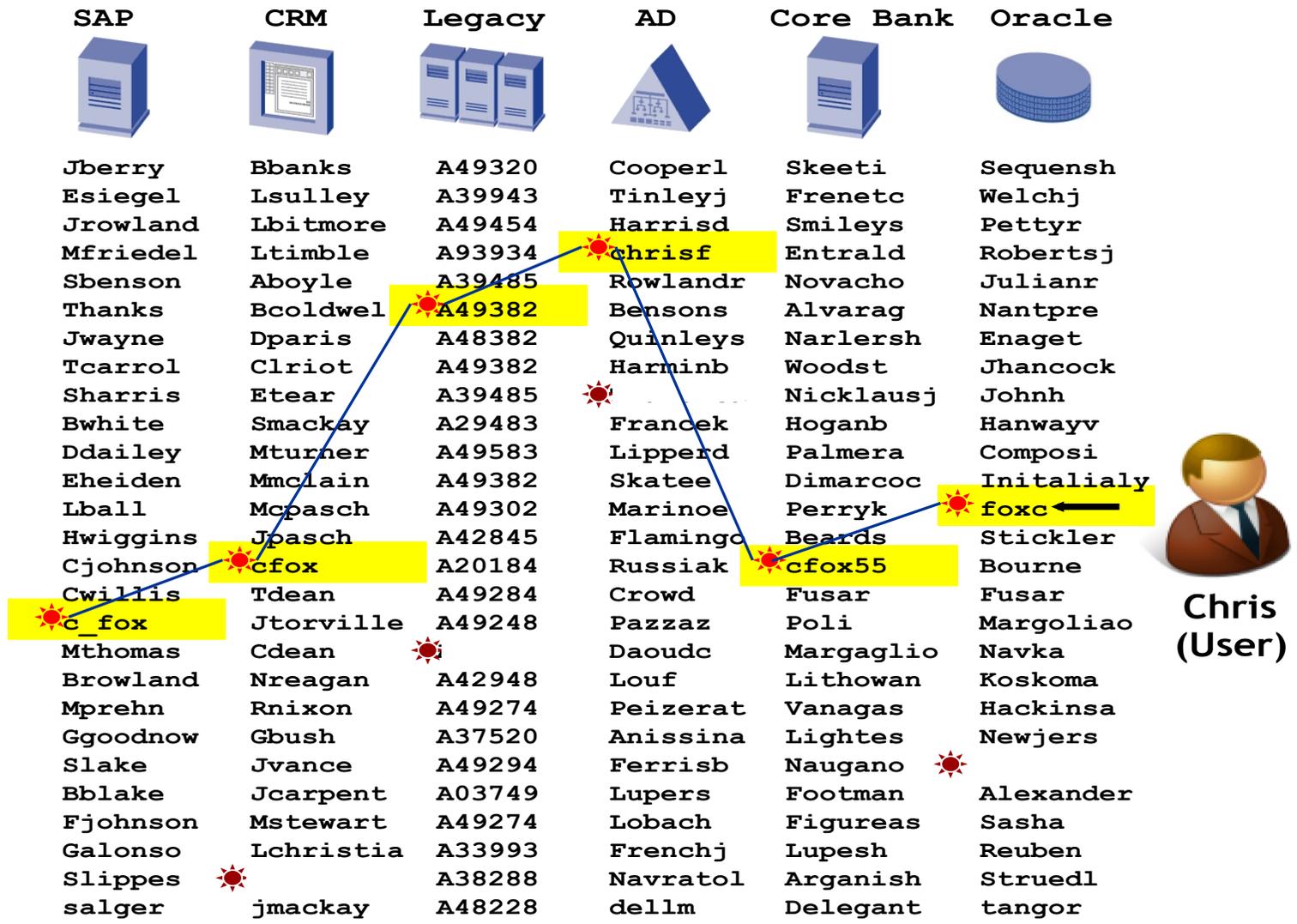
Structured
Data

- Firewall
- Encryption
- Masking
- Audit & Monitor
- Secure Backup
- Access Control

Applications
Portals

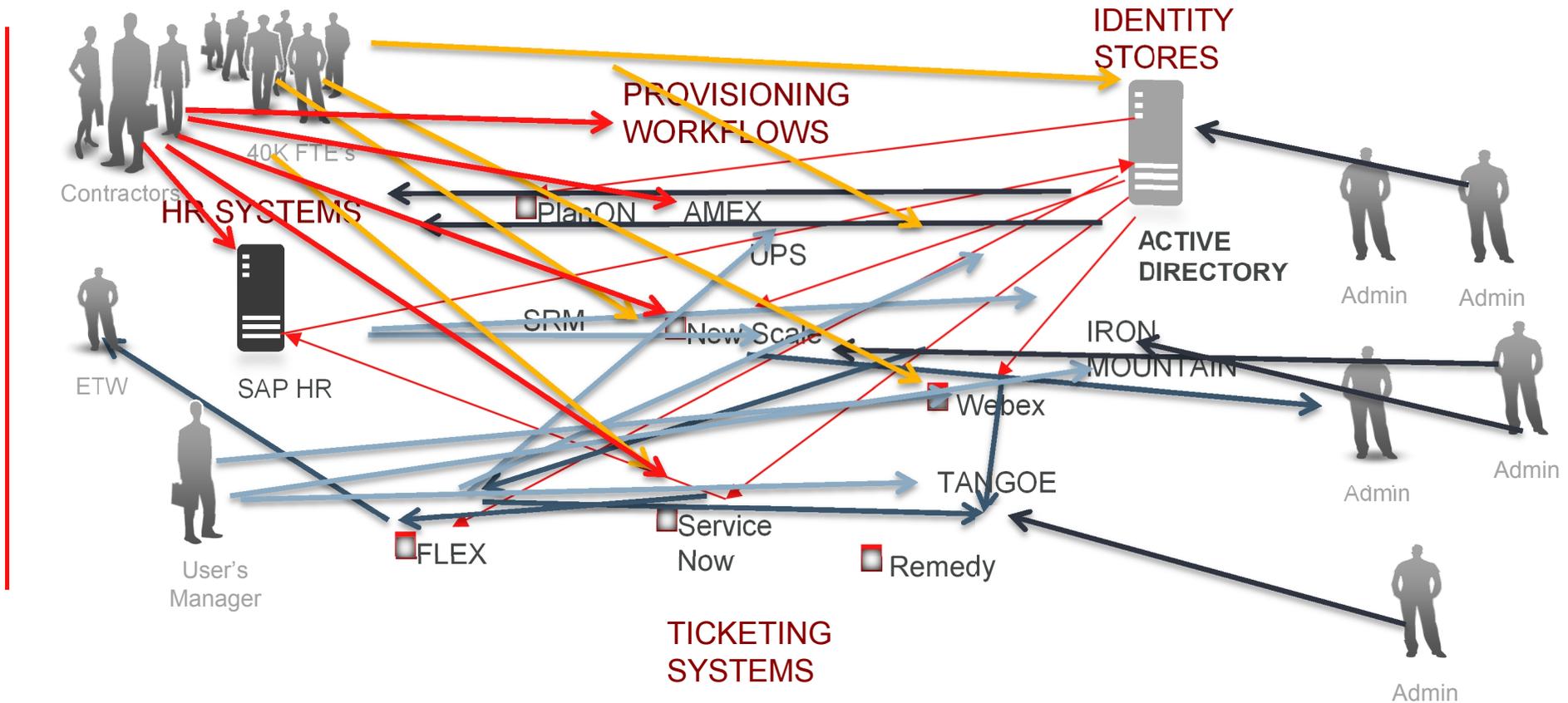
- Application Access Control
- Governance & Compliance
- Fraud Detection
- SOA Security
- Document Security

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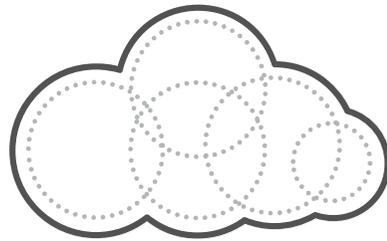
ON-BOARDING EXAMPLE

FRAGMENTED, MANUAL, COMPLEX AND UN-AUDITABLE





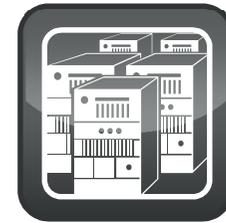
SECURE THE
ACCESS



SECURE THE
CLOUD

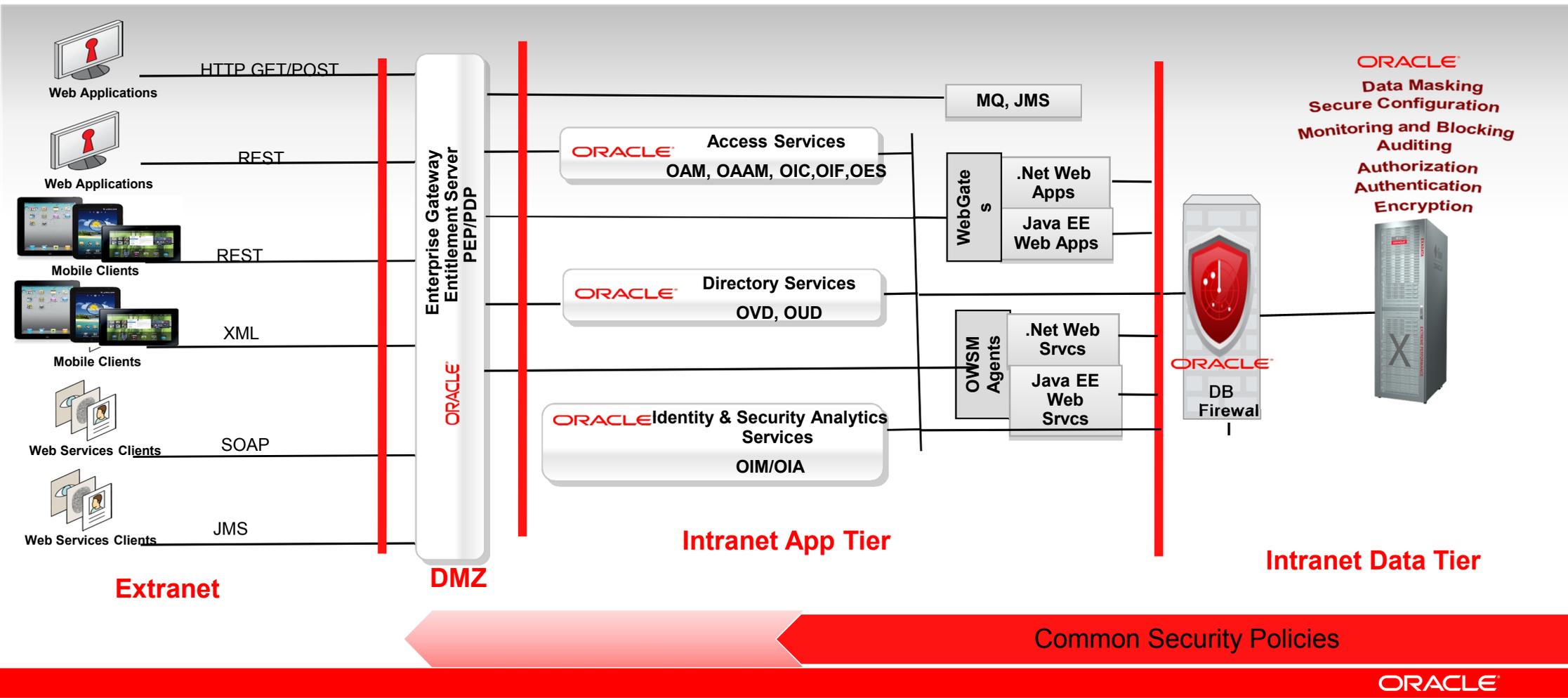


SECURE THE
APPLICATIONS

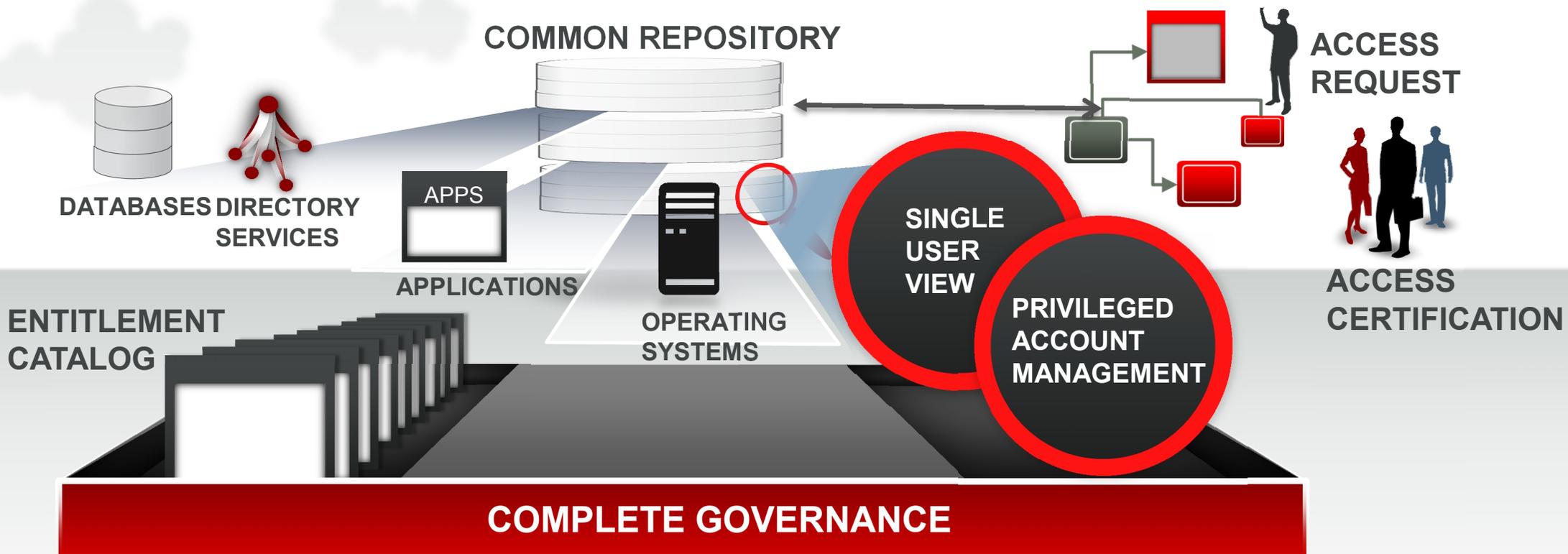


SECURE THE
DATABASE

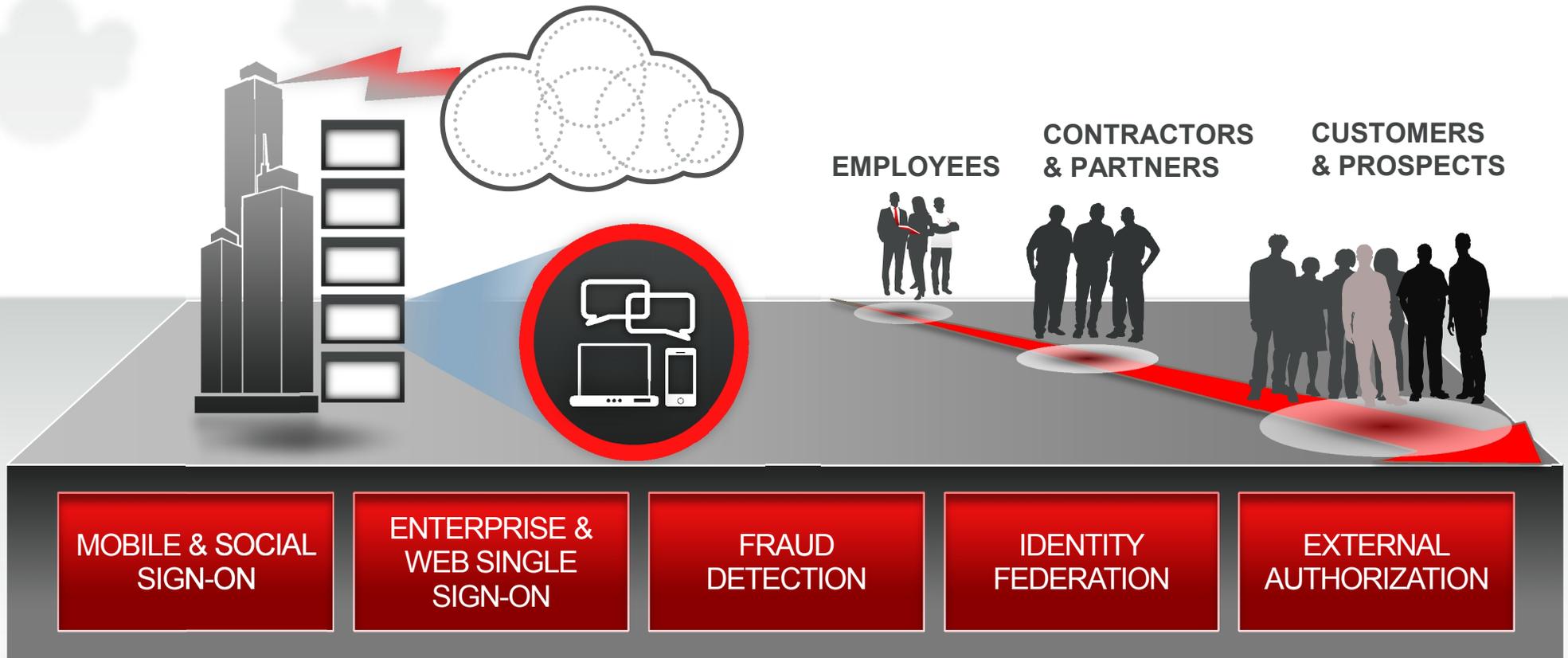
End to End Security Architecture from Inside Out



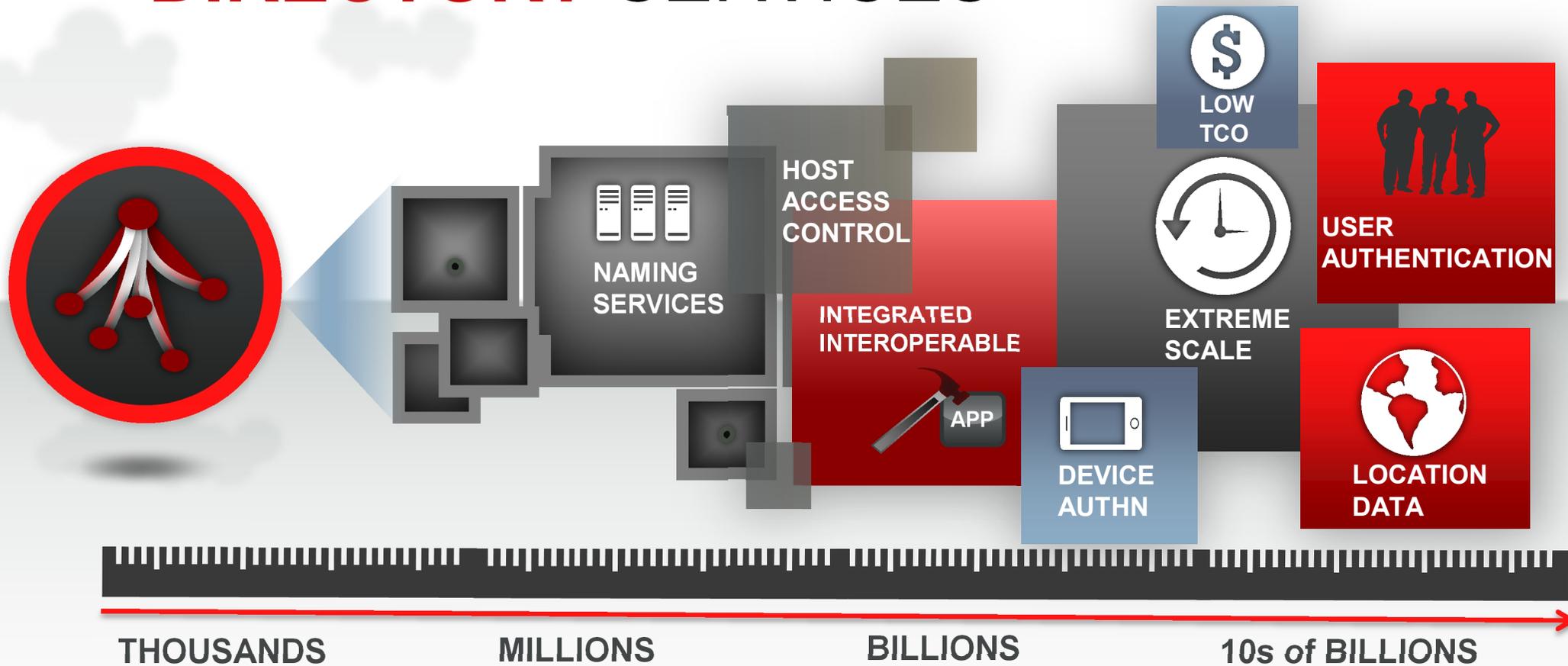
IDENTITY GOVERNANCE



..... ACCESS MANAGEMENT

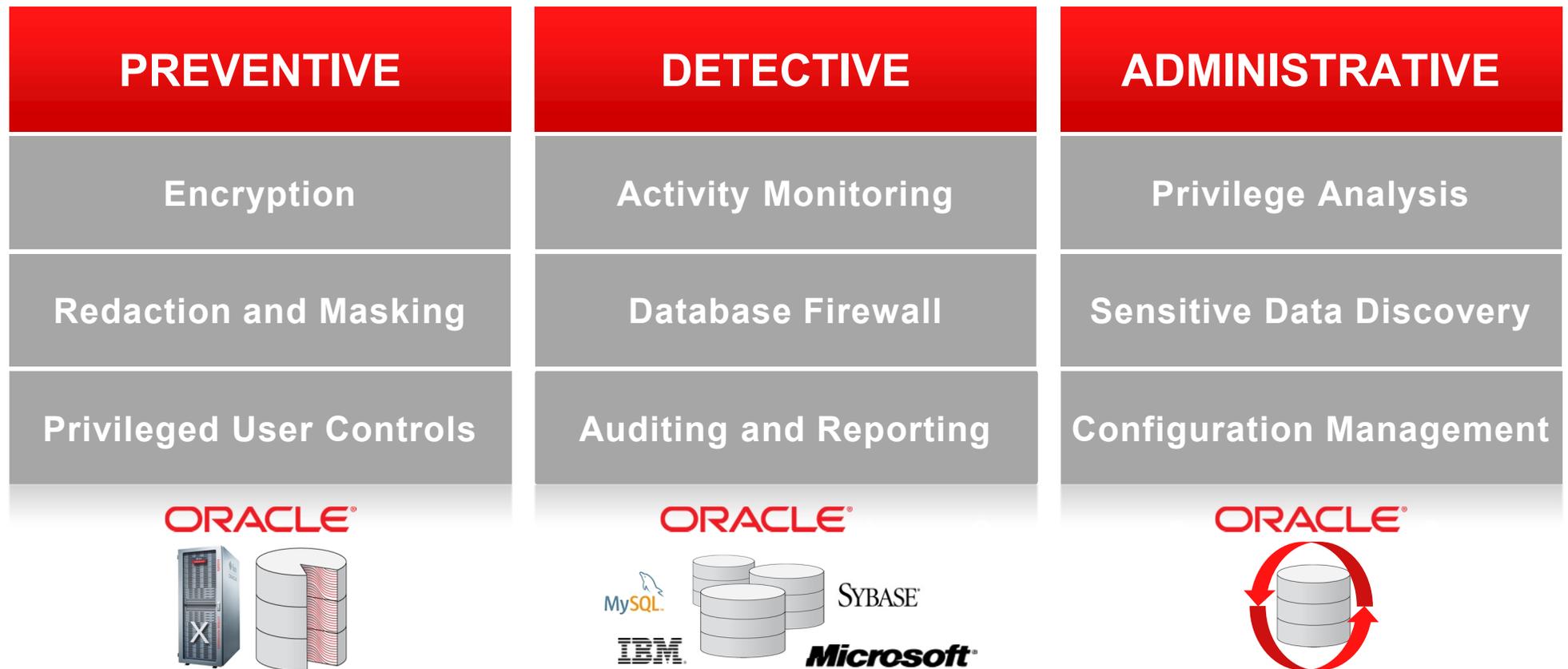


DIRECTORY SERVICES



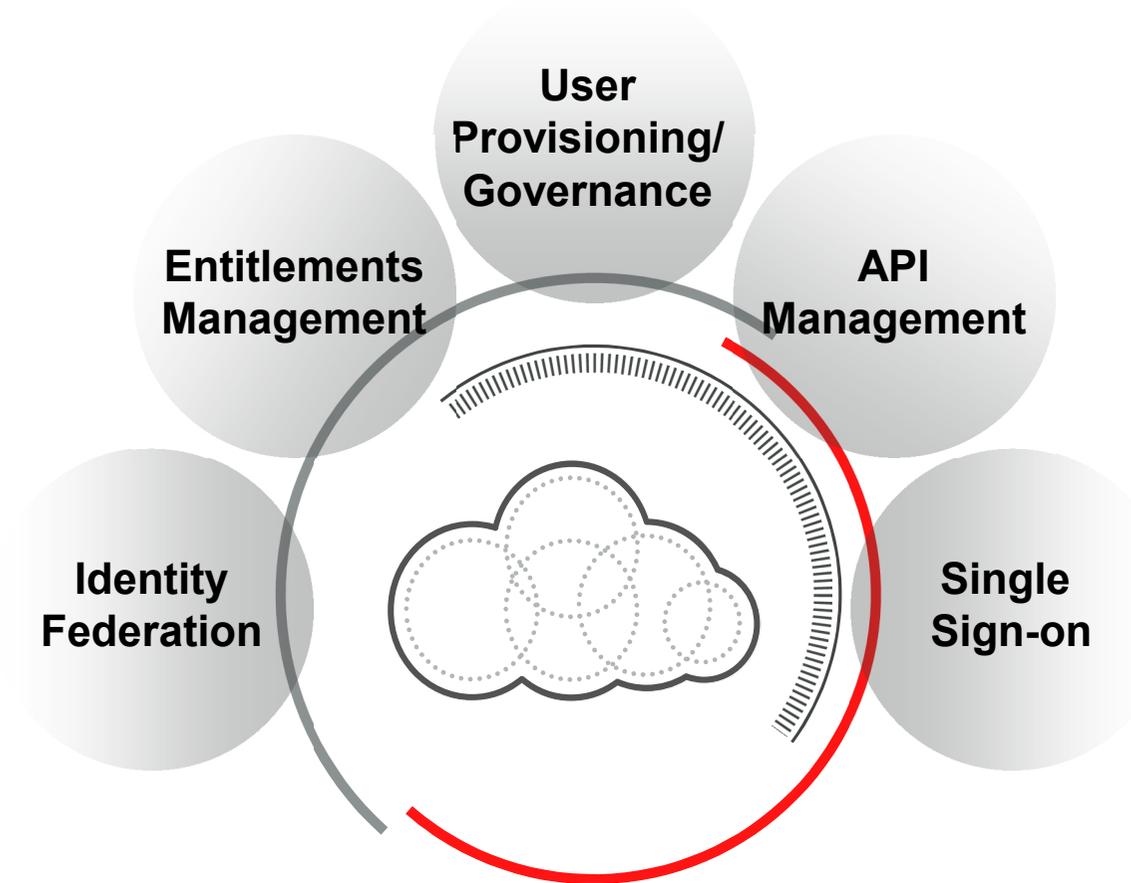
Oracle Database Security Solutions

Defense-in-Depth for Maximum Security



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CLOUD **IDENTITY** MANAGEMENT



SECURE DATABASES IN THE CLOUD

CENTRALIZE DATA AND SECURE AT THE SOURCE

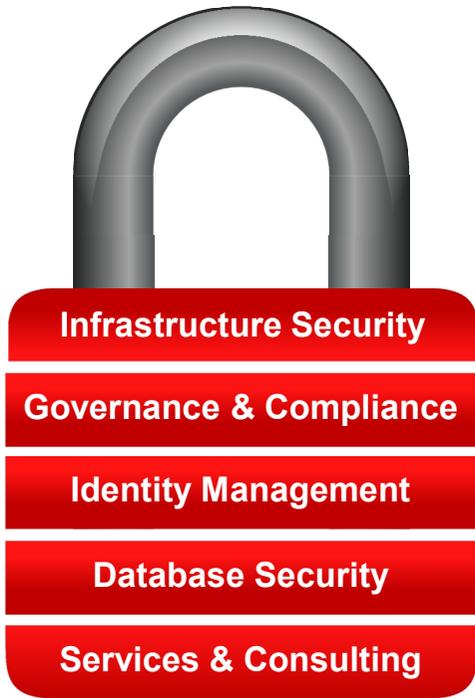


- Multi-Tenancy
- Shared database pool
- Managed in the cloud
- Consistent & efficient
- Eliminates data silo complexity
- Better security & lower cost

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- Infrastructure Security**
- Governance & Compliance**
- Identity Management**
- Database Security**
- Services & Consulting**





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SECURE SOLUTIONS & SECURITY SOLUTIONS

**DEFENSE
IN-DEPTH**

**SECURITY
INSIDE
OUT**

**SECURE
WHAT'S
STRATEGIC**

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**SECURE
YOUR FUTURE**

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