

# Data Security

# Introduce Risk

**More risks concentrated in a single asset you need:**

- **Better Data Privacy protection**
- **Stronger Access Controls**
- **Improved Audit Management**
- 



**More Sensitive Data outside of your control**

- **More people with potential to access your data**
- **Greater risk of sensitive data leakage**

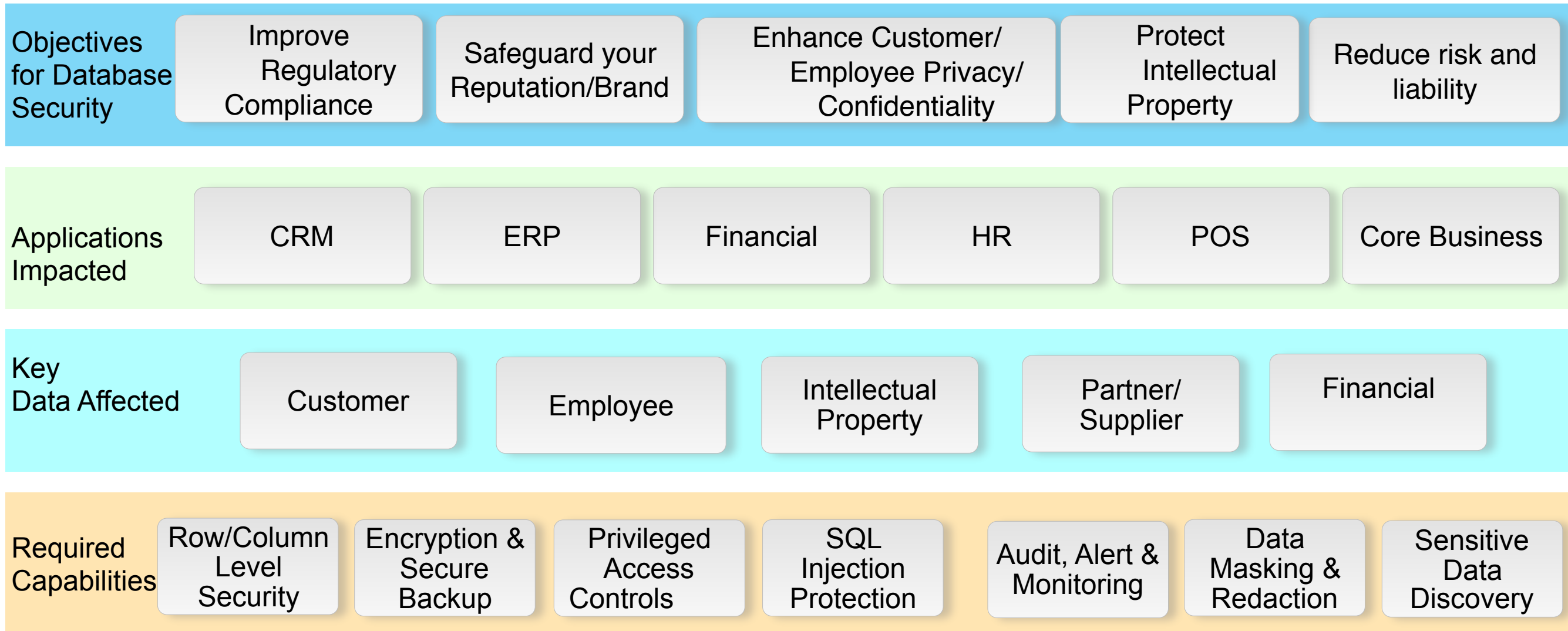


# Database Cloud Service Security

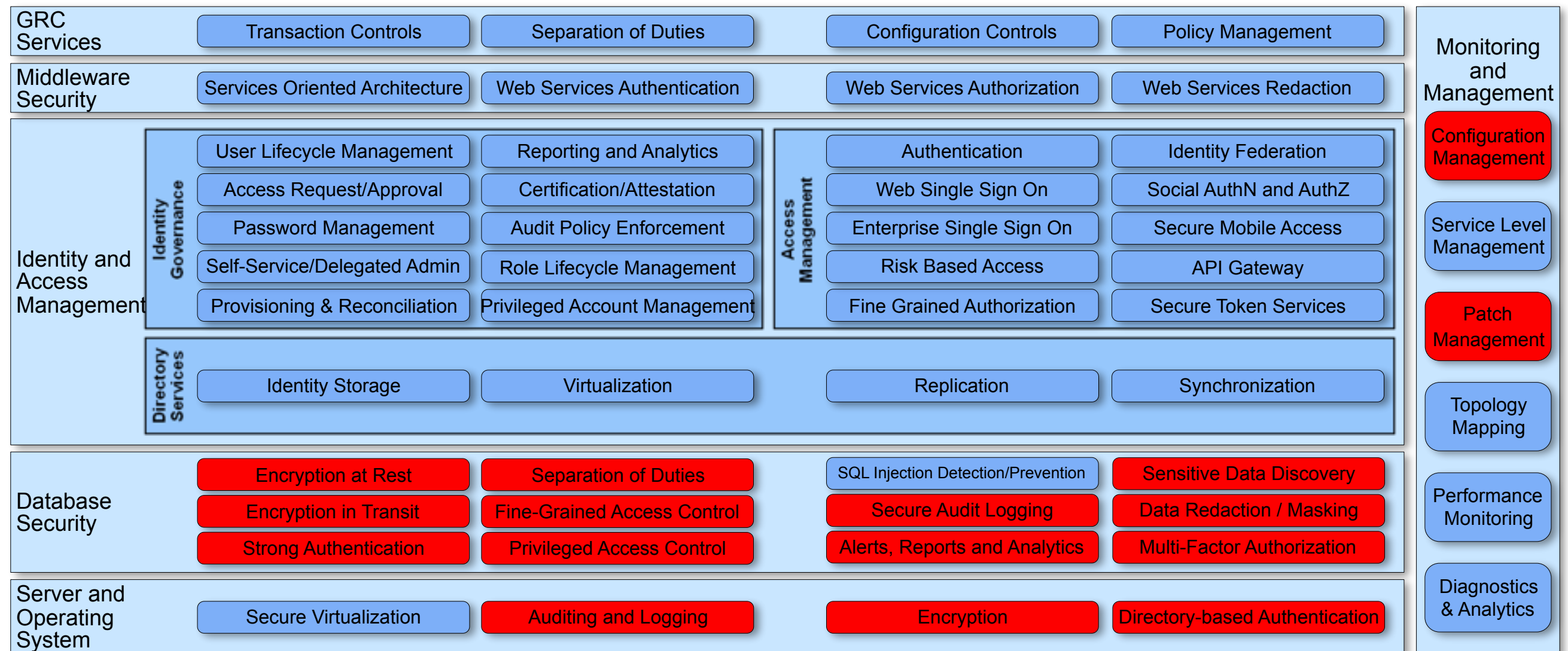
- Dedicated database with full administrative control
  - Completely controlled by customer — (shared responsibility)
- Benefits from the compute and network security
- Upon creation — All access is set to disable by default
  - Appropriate security rules must be enabled.



# Database Security



# DB Security in Cloud Deployment



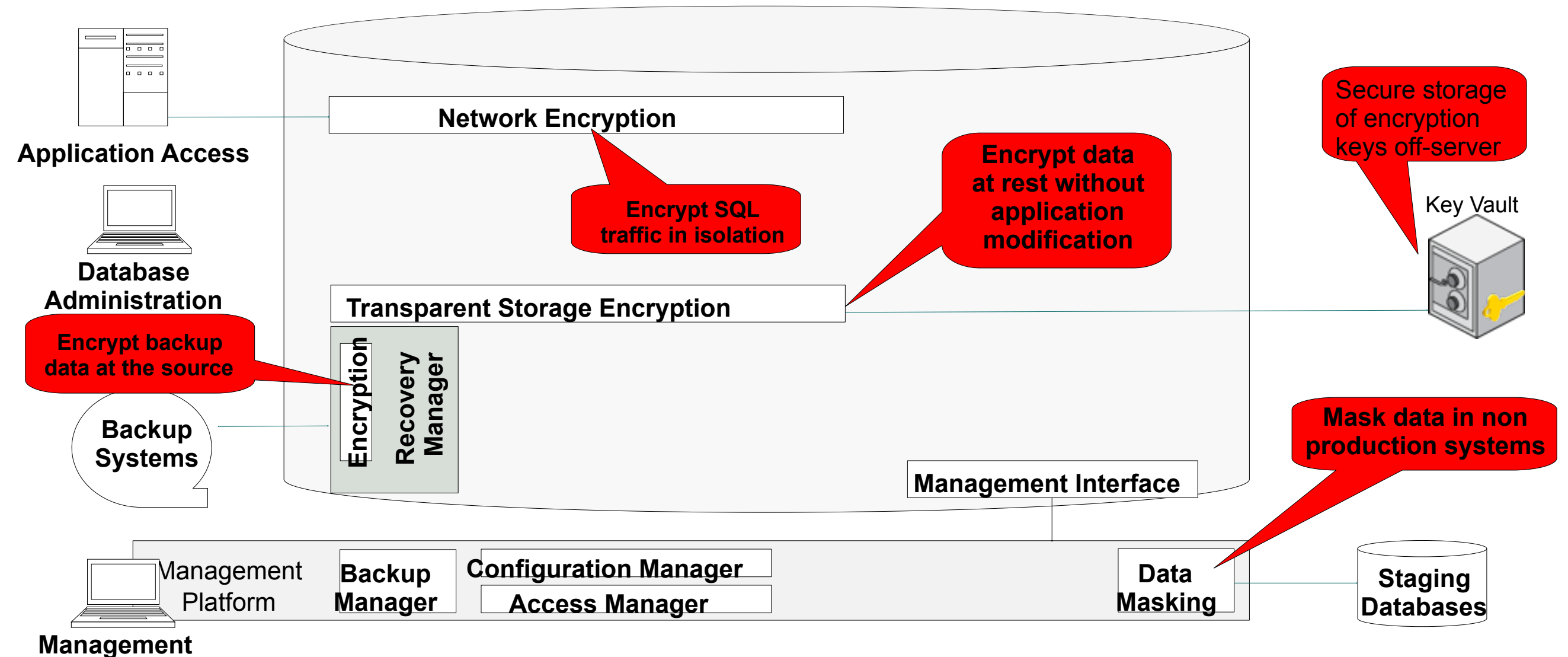
# Logical View: Encryption and Masking

Objectives  
for Database  
Security

Improve  
Regulatory  
Compliance

Enhance Customer /  
Employee Privacy /  
Confidentiality

Reduce risk  
and liability



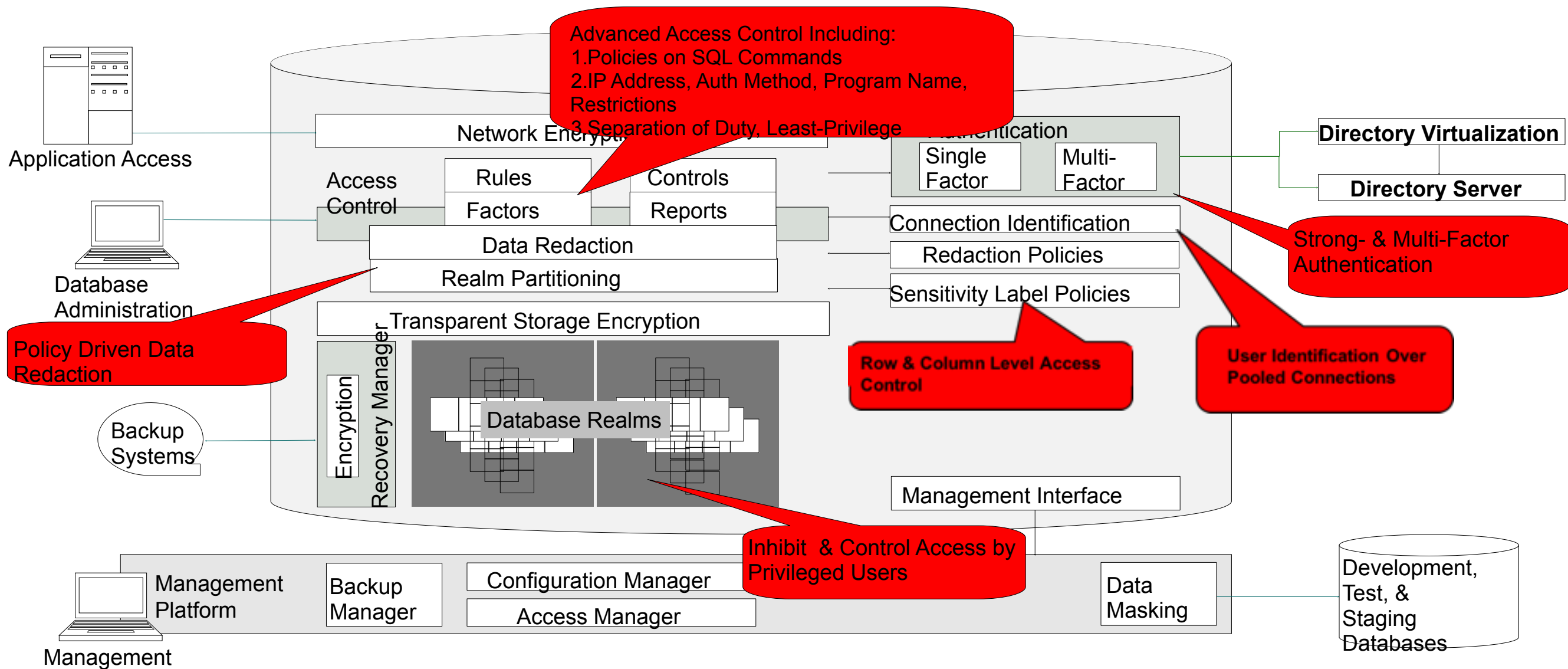
# Logical View: Access Control

Objectives  
for Database  
Security

Improve  
Regulatory  
Compliance

Enhance Customer /  
Employee Privacy /  
Confidentiality

Reduce risk  
and liability



# Logical View: Auditing and Monitoring

Objectives  
for Database  
Security

Improve  
Regulatory  
Compliance

Enhance Customer /  
Employee Privacy /  
Confidentiality

Reduce risk  
and liability

