

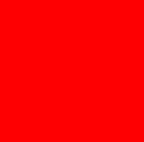


**ORACLE** | SECERNO

## **Oracle Buys Secerno**

**Adds Heterogeneous Database Firewall to Oracle's Industry-Leading Database Security Solutions**

**June 21, 2010**



Oracle is currently reviewing the existing Secerno's product roadmap and will be providing guidance to customers in accordance with Oracle's standard product communication policies. Any resulting features and timing of release of such features as determined by Oracle's review of Secerno's product roadmap are at the sole discretion of Oracle.

All product roadmap information, whether communicated by Secerno or by Oracle, does not represent a commitment to deliver any material, code, or functionality, and should not be relied upon in making a purchasing decision. It is intended for information purposes only, and may not be incorporated into any contract.

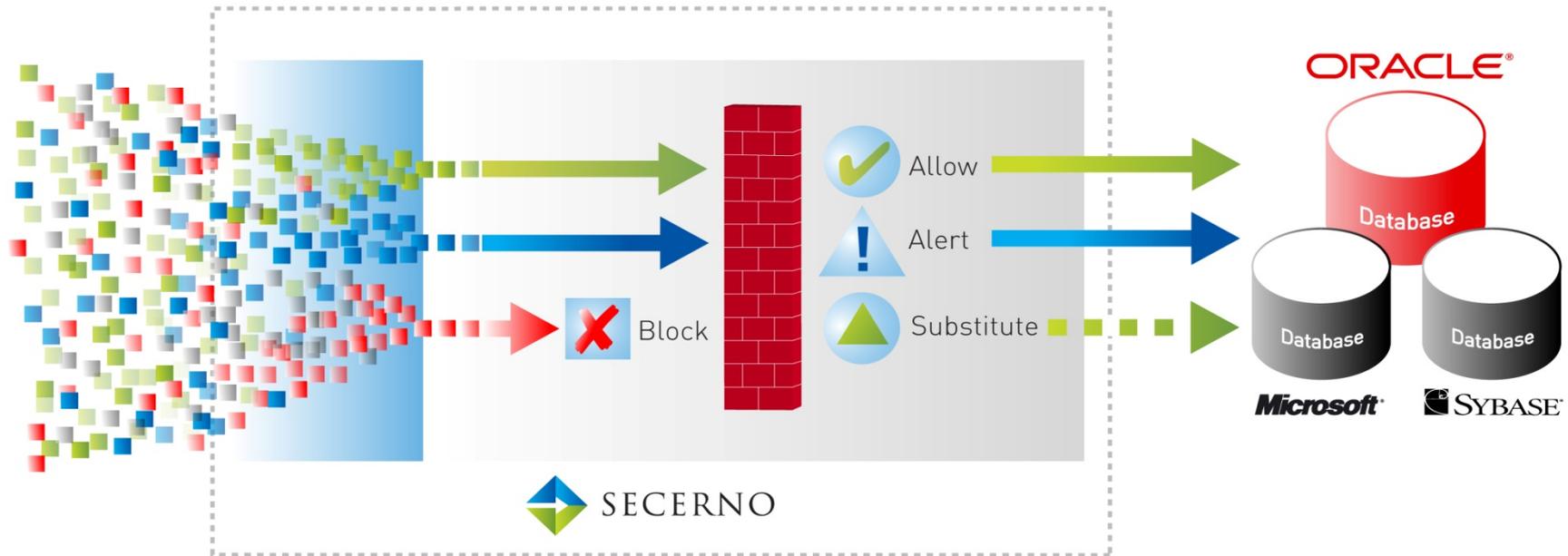
# What We Are Announcing

- Oracle buys Secerno
  - Adds heterogeneous database firewall to Oracle's industry-leading database security solutions
  - The transaction has closed
- About Secerno
  - Privately held company with headquarters in Oxford, England
  - Secerno's DataWall product blocks against unauthorized database activity in real-time, over the network - before the attacks reach the database
  - Provider of database firewall solutions for Oracle and non-Oracle databases
- Combination extends Oracle's leadership in database security with a protective perimeter around Oracle and non-Oracle databases
  - Adds a critical defensive security layer that provides real-time access control through monitoring and blocking of unauthorized database activity
  - Combination is expected to further enable customers to reduce the cost and complexity of securing their information throughout the enterprise

# Strategic Importance to Oracle

- Data protection continues to be a challenge for enterprises
  - Attacks on enterprise databases are growing in sophistication
  - Legacy applications cannot be easily modified to enhance security and counter today's rising threats
  - Defending an organization's database requires a comprehensive security solution that monitors and prevents threats from reaching databases
- Secerno augments Oracle's database security solutions to further ensure data privacy, protect against threats, and enable regulatory compliance
  - Acts as the first line of defense against external threats and unauthorized internal access
  - Monitors database traffic in real-time, detecting anomalies, and blocking SQL activity including SQL injection attacks from the internet
  - Uses semantic clustering to identify the SQL statements for policy enforcement
  - Provides highly accurate alerts and customizable reports
- Together, Oracle and Secerno's technologies are expected to further extend Oracle's comprehensive database security solutions to safeguard critical business information across the enterprise

# Secerno's Solution



- Secerno analyzes and categorizes every SQL statement, optionally logs it, and makes a policy-based decision in real-time to:
  - Allow authorized SQL statements to go to the database
  - Alert on policy exceptions
  - Block out-of-policy SQL statements before they reach the database
  - Substitute unauthorized statements

# Unique Qualities of the Secerno Solution

## Defensive Database Perimeter



- Actively blocks every attack, and monitors sensitive operations
- Enforces white-list, black-list and exception-list based security policies

## Accurate Semantic Clustering



- Uses semantic clustering algorithms to accurately identify the SQL statements for policy enforcement
- Blocks unauthorized access with zero false-positives by white-listing authorized statements

## Advanced Activity Monitoring



- Supports multiple deployment modes including logging, alerting and learning
- Customizable reporting to satisfy the complexity of enterprise-wide auditing

## Enterprise Deployments



- Supports Oracle, Microsoft SQL Server and Sybase databases
- Supports packaged and custom applications
- Enables rapid deployment

# Oracle Database Security with Secerno

## First Line of Defense Against Attacks



### Encryption and Masking

- Oracle Advanced Security
- Oracle Secure Backup
- Oracle Data Masking

### Access Control

- Oracle Database Vault
- Oracle Label Security

### Auditing and Monitoring

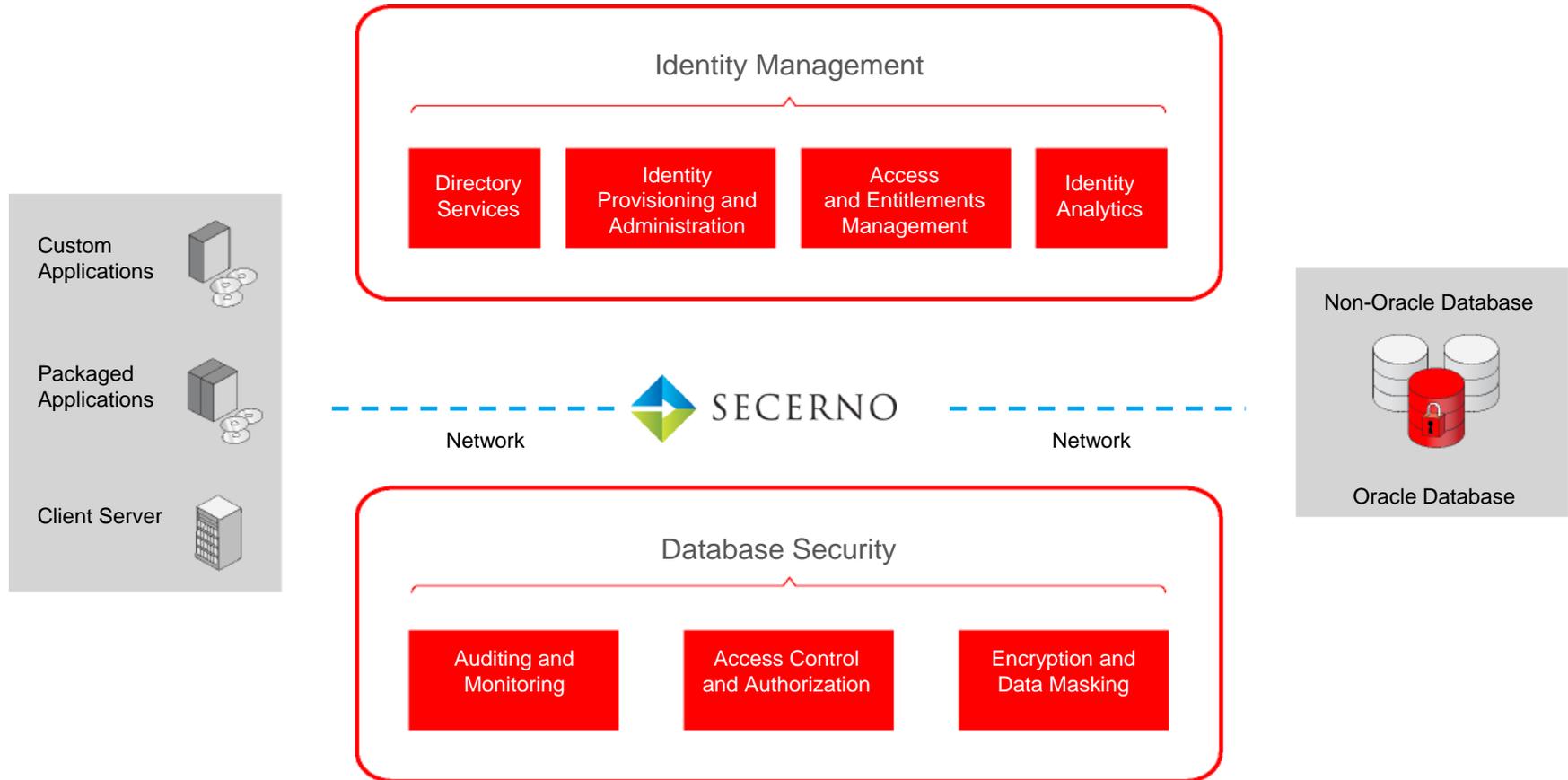
- Oracle Audit Vault
- Oracle Configuration Management
- Oracle Total Recall

### Database Firewall

- Secerno

# Oracle's Security Strategy

## Securing Information Throughout the Enterprise



# Customer Benefits Summary

## Secerno brings complementary advantages to Oracle's Database Security solutions

- Strong synergy with Oracle's industry-leading database security portfolio
- Complements database native auditing and access control with real-time SQL monitoring and blocking from the network
- Expands Oracle's portfolio of security solutions to ensure data privacy, provide protection against insider threats, and enable regulatory compliance

## Secerno provides critical functionality requested by customers

- Secerno's DataWall product provides a first line of defense by creating a defensive perimeter around databases from Oracle, Microsoft and Sybase
- Secerno's product can be configured in monitoring or blocking mode giving deployment flexibility to customers
- Customers save time and money with Secerno's easy-to-deploy security policies

For more information, please visit [oracle.com/secerno](http://oracle.com/secerno)

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