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Oracle Consulting Database Shield

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Consulting

Data is the new currency, the Crown Jewels of your business. Security concerns now exist that were not previously on the organization's radar and areas that were deemed safe are not necessarily safe any longer. Protection of your data can no longer be an agreement amongst trusted employees, partners or customers. There are many factors for the newest security vulnerabilities, such as:

- Our new remote reality puts us in a precarious position we never expected to occur, addressing remote security within our current infrastructure and timelines.
- Criminal organizations and some countries are funding sophisticated attacks which are constantly morphing over time with AI.
- Organizations today operate in an increasingly stringent and fast-evolving regulatory landscape.
- Threat actors are not only external to your organization. The majority of breaches (60-80%) come from internal sources and the threats can be either malicious or accidental.

Throughout history, fortresses have been built & reinvented to protect the crown jewels of the kingdom. National Secrets, Gold Reserves, Secret Recipes, Sales Discount Lists, Market Strategies or simply Credit Card Numbers & PII are all currency. Your business is your kingdom, the OCS DB Shield is your fortress and your data are your crown jewels. The OCS DB Shield is an ever-evolving security framework, providing risk reduction & protection of your data assets which evolve with your security requirements. The DB Shield consists of building blocks that can be consumed as a whole or in individual pieces.

The OCS DB Shield adheres to the principles set forth by Oracle Product Management in the journey from the Oracle recommended Minimum Database Security Architecture to the Maximum Database Security Architecture.

SECURING INFORMATION AT THE CORE OF YOUR ENTERPRISE

The OCS DB Shield establishes a secure and scalable DB security foundation by securing your attack vectors (People, Applications, Platform) and encapsulating your Data within this triad to create a foundational Security Zone of Control.
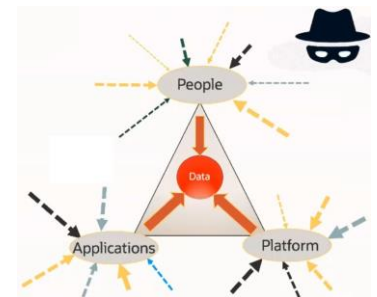
Security Zone of Control

Key Features

- *Database risk evaluation*
- *Executed plan for your DB security foundation*
- *Adheres to NIST Framework*
- *Key Business Benefits*
- *Realize real results with real cost savings using our packaged program.*
- *Provide a baseline architecture that can assist you to proactively react to increasingly stringent and fast evolving regulatory landscapes.*
- *Serve as a baseline for a Corporate Wide Database Security Policy.*
- *Remediate risks with a standard DB Security Architecture built for growth while avoiding more risk from poorly planned security updates.*
- *Architecture to support GDPR, CCPA, SOX, PCI*

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The adoption of the OCS DB Shield will assist you to:

- ASSESS and make security recommendations through Sensitive Data Discovery, Privilege Analysis, Security Controls Review and Configuration Review.
- PREVENT inappropriate access to data through control mechanisms that consider the context of the access, not just the identity of the account accessing the data.
- DETECT attempts to access data outside of policy and identify anomalies in data access.

To enable you to establish:

- Data Controls to enforce application-level access within the database, providing a consistent authorization model reporting tools, and database clients.
- User Controls enforce proper user authentication and authorization policies ensuring that only authenticated and authorized users have access to their data.

Producing these key deliverables:

- A current state assessment of your database focusing on Sensitive Data Discovery, Privilege Analysis, Security Controls and Configurations
- A non-production implementation of DB Shield for one database with options for a production go-live.
- Engagement Documentation including an actionable plan to drive towards the Oracle Database Maximum Security architecture.

That provide your organization with:

- An actionable, sustainable and expandable Database Security Architecture
- A DB Security framework for proactive response to changing risks and regulations


DB Shield Products / Tools

- *Audit Vault / Database Firewall**
- *Advanced Security Option / Transparent Data Encryption**
- *Data Masking**
- *Oracle Enterprise Manager**
- *Oracle Key Vault**
- *Database Security Assessment Tool*
- *Privilege Analysis (19c)*

   * Denotes products that require licensing

Why Oracle Consulting

- *Leading expertise: Oracle's experts provide thought leadership for every Oracle solution.*
- *Broad Coverage: "End-to-end" lifecycle services across the entire Oracle product footprint*
- *Global Scale: 13,000 Oracle experts in 145 countries, serving over 20 million users.*
- *True Cloud Method: Based on industry standards, high quality results across complex projects*

OCS DATABASE SHIELD
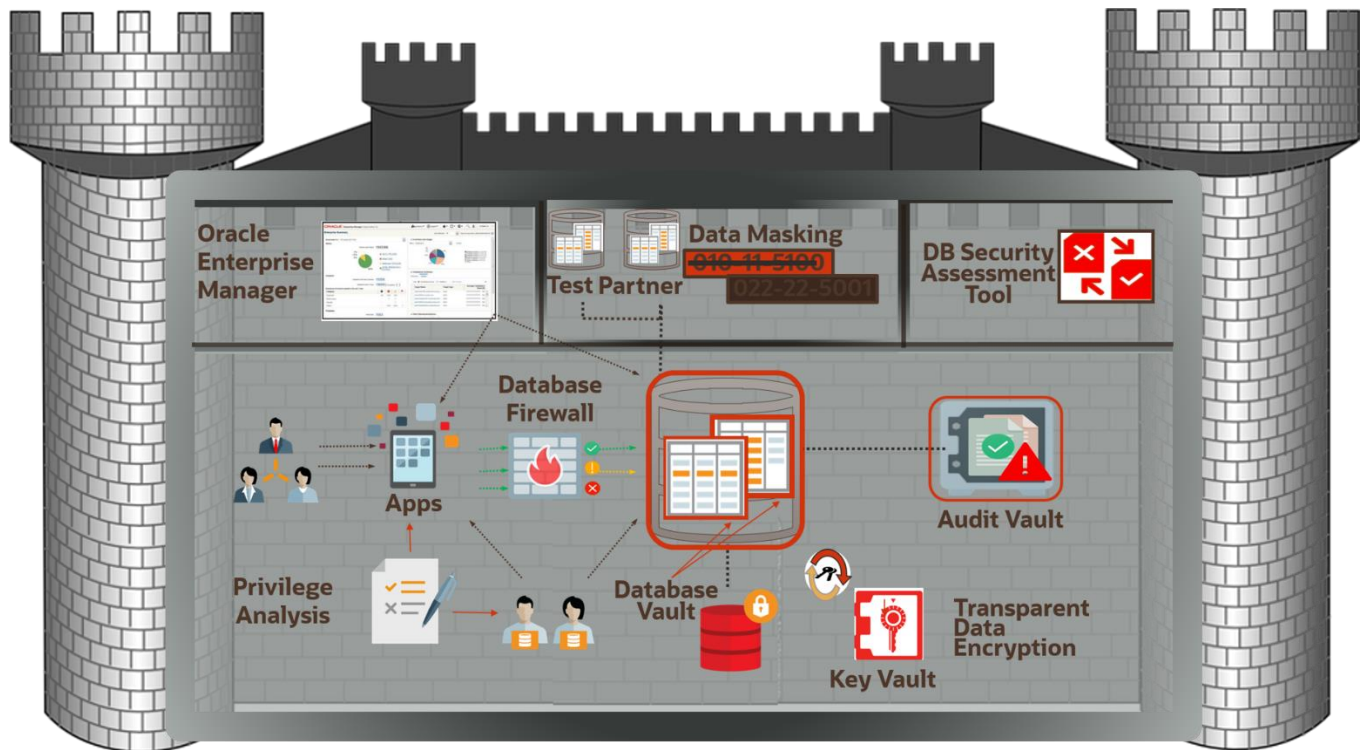
Note: All Database, Application and Software Licenses & Versions will need to be validated

UTILIZING THESE FOUNDATIONAL BUILDING BLOCKS:

Assessment – The architectural blueprint of the fortress. The assessment addresses common confidentiality, integrity and availability requirements of an Enterprise Database deployment.

Foundational Build – The functioning fortress. The fortress features Oracle Database Vault, Audit Vault DB Firewall, Encryption & Key Management to provide the Oracle Minimum DB Security Architecture.

Data Masking – The intentional feeding of invalid data to risky parties, the mole. Masking allows only those with the need to know to have access to valid critical data.

Oracle Enterprise Manager – The WatchTower of the fortress that is "always-on" and alerts in near real-time for security related events.

HOW WE ARE DIFFERENT

The Oracle Consulting team is focused exclusively on Oracle Technologies, and we have the experts that others turn to for leading practices in Oracle hardware and software implementations. We know how to best optimize your investment in Oracle products and can provide your business with tightly integrated, comprehensive, superior services throughout your Oracle Technology experience.

- OCS has delivered scores of DB Security Implementations and has direct access to Product Management for high priority deployment issues.
- First-in-class OCS experts work from a well-established project plan, vetted through real-world implementations, as well as artifacts that are internally-developed based upon previous engagements and internal efforts.
- OCS resources are highly-trained in the latest Oracle DB Security products and hold many certifications including but not limited to: CISSP, CCSP, Oracle DB Sec Tiger Team, Oracle Enterprise Architect, Cloud (Oracle and non-Oracle)
- OCS has implemented the largest DB Security architectures in the world.
- Clients include these Industries (including, but not limited to):

Pharmaceuticals	Engineering and construction	Finance
Education	Communications	Retail
Public Sector	High Technology	Healthcare

GETTING STARTED

Leverage Oracle's methods, tools, and extensive experience with customer implementations across diverse industries and geographies. Tight integration across Consulting, Development, Support, Education, and Global Delivery puts the entire Oracle team behind your success. To learn more, contact your local Oracle Consulting representative, or visit www.oracle.com/consulting.

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