ORACLE DATABASE VAULT

KEY FEATURES AND BENEFITS

- Preventive controls on privileged user access to application data
- Real time controls with command rules and multi-factor authorization
- Separation-of-duty with account management, security administration and database administration
- Available for Oracle Database 11g, Oracle Database 10g Release 2, and Oracle9i Database Release 2
- Certified with Oracle E-Business Suite, Oracle PeopleSoft Applications, Siebel, Oracle JDEdwards EnterpriseOne, iFlex, and Oracle Internet Directory

Oracle Database Vault provides powerful security controls for protecting applications and sensitive data. Oracle Database Vault prevents privileged users from accessing application data, restricts ad-hoc database changes and enforces controls over how, when and where application data can be accessed. Oracle Database Vault secures existing database environments transparently, eliminating costly and time consuming application changes.

Preventive Controls

Regulatory compliance, outsourcing, application consolidation and increasing concerns over insider threats have resulted in an almost mandatory requirement for strong controls on access to sensitive application data. With Oracle Database Vault organizations can deploy transparent, preventive controls that reduce the risk of unauthorized access to application data. Oracle Database Vault benefits include:

- Preventive controls on privileged user access

- Real time controls with command rules and multi-factor authorization

- Separation of duty controls

Oracle Database Vault Realms

Oracle Database Vault realms act as a firewall around application data and block access from privileged users. Realms are easily defined and can be placed around an entire application or a set of tables quickly and easily.

Figure 1. Oracle Database Vault Realms

Oracle Database Vault Command Rules and Factors

Oracle Database Vault command rules and factors tighten security by limiting who, when, where and how databases, data and an applications can be accessed. Command rules are policies that can be associated with various SQL commands inside the Oracle database. For example, command rules can be defined for create, drop and alter table commands inside the Oracle database. Oracle Database Vault

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will evaluate the associated security rule and determine whether the command should be blocked. Rules can reference various out-of-the-box Oracle Database Vault factors such as IP address, authentication method and program name. For example, access can be restricted to the middle tier, creating a "trusted-path" to the application data and preventing use of ad-hoc tools.

Figure 2. Oracle Database Vault Command Rules and Factors

Oracle Database Vault provides three distinct separation of duty controls out-of-the-box for security administration, account management, and day-to-day database administration activities. Oracle Database Vault separation of duty controls can be customized and organizations with limited resources can setup multiple named accounts to align with the Oracle Database Vault responsibilities.

Application Certification

Oracle Database Vault is certified for a variety of applications, including Oracle E-Business Suite, Oracle PeopleSoft, Oracle Siebel CRM, Oracle JD Edwards EnterpriseOne and SAP applications.

Applications Certification	
Oracle Database Vault 10.2.0.4	
Oracle E-Business Suite 11.5.10 and 12.0.4	Oracle PeopleSoft versions 8.0, 8.1, 8.3 must be on PeopleTools 8.22 Oracle PeopleSoft versions 8.4, 8.8, 8.9, 9.0 must be on PeopleTools 8.46+
Oracle Siebel CRM Siebel 7.7+, 7.8+ and 8.0+	Oracle JD Edwards EnterpriseOne
SAP	
Oracle Database Vault 11.1.0.7	
Oracle E-Business Suite 11.5.10 and 12.0.4	

Contact Us

For more information about Oracle Database Vault, please visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

Oracle is committed to developing practices and products that help protect the environment

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