

# Oracle Managed Security Services for Oracle Cloud and On Premises

Oracle Managed Security Services help customers protect their data in Oracle Cloud or on premises, and meet their internal security and regulatory requirements in an efficient and cost-effective manner. End-to-end security services packages include design, implementation, ongoing management, monitoring, and reporting, and provide a complete managed security service for customers looking to deploy Oracle security products and services.

## SECURITY THROUGHOUT THE LIFECYCLE

Data security, integrity, privacy, and compliance with regulatory requirements are a top priority for most companies—no matter if they run their databases and applications in their own data centers, or on cloud (Infrastructure as a Service—IaaS, or Platform as a Service—PaaS). Oracle is addressing those needs with a broad range of offerings. To ensure the highest level of protection and to mitigate risk introduced with change, it is essential to expertly maintain and manage those security products and services, in the environments where applications and databases are deployed, throughout their lifecycle.

Oracle Advanced Customer Services has many years of experience in implementing Oracle security products and services, and in securely managing security for customer environments in Oracle Cloud or on premises.

The broad portfolio of managed security services can help customers minimize security risks and meet compliance requirements. With these services, customers can be confident that their Oracle security solution is expertly configured and managed, and that hidden vulnerabilities to their Oracle environment are detected and addressed proactively before they can become a threat. Oracle Managed Security Services can set the stage to use cloud services safely or to integrate with external service providers minimizing risk exposure.

Oracle Managed Security Services provide:

- **Lifecycle Management:** Design, engineering, implementation, and ongoing monitoring and management services designed to ensure continuously secure and compliant environments.
- **Seamless Service Delivery Management:** Coordination by a Security Delivery Manager through periodic status reviews, comprehensive reporting, and proactive guidance.

## Key Features

- Complete lifecycle management including design, implementation, monitoring, management, and reporting
- Proactive detection and prevention of vulnerabilities through assessments and targeted tests
- Expert installation and customer specific configuration of Oracle security software such as encryption, database vault, and data masking
- Seamless service delivery management throughout the engagement
- Predictable cost and transparent delivery planning

- **Predictable Cost:** Clearly defined services scope at a fixed monthly fee enable transparent cost and delivery planning.

## MANAGED SECURITY SERVICES FOR ORACLE CLOUD (IAAS/PAAS)

Security and compliance risks are rated as top inhibitors for customer adoption of cloud services to run their enterprise applications. Main concerns are data privacy, as well as internal and external regulations and compliance requirements. Oracle Advanced Customer Services can help customers overcome these hurdles and take advantage of the benefits of Oracle Cloud.

## MANAGED SECURITY SERVICES ON PREMISES

Managed Security Services on premises are designed for customers running Oracle-based systems in their data centers. The offerings include efficient implementation of Oracle Database security products, vulnerability and web application protection services, and ongoing security management.

## VULNERABILITY AND THREAT PREVENTION SERVICES INCLUDE:

SERVICE OFFERING	DESCRIPTION
Managed Security Operations Center (SOC) for Cloud	<p>Comprehensive risk monitoring, threat detection and alerting service to increase security, when using Oracle SaaS or other cloud applications, and enforce security policies within those applications.</p> <p>Service features include:</p> <ul style="list-style-type: none"> <li>• 24/7 security operations monitoring</li> <li>• Reporting and incident response for Oracle and non-Oracle cloud applications</li> <li>• Ongoing policy updates and tuning to reflect customer's specific requirements and use of supported cloud application</li> <li>• Configure and manage Oracle Cloud Access Security Broker (CASB) integrated with MSS Security Information and Event Monitoring (SIEM)</li> </ul> <p>Required Oracle Technology: Oracle Cloud Access Security Broker (CASB)</p>
Vulnerability Assessment Service	<p>Infrastructure scans of hosts/Virtual Machine(s) (VM) to detect vulnerabilities within your Oracle environments.</p> <p>Service features include:</p> <ul style="list-style-type: none"> <li>• Implementation of quarterly internal and external vulnerability scans of the hosts/virtual machines for the target environment</li> <li>• Detailed scan report and analysis reports including applicability, risks, and trends for remediation of vulnerabilities</li> </ul>

## Key Business Benefits

- Data security, integrity, and privacy in Oracle Cloud and on premises
- Keeping sensitive data protected continuously
- Risk prevention
- Compliance with internal and external security regulations
- Full functionality of Oracle security software for high protection
- Predictable cost and timeframe of service delivery

## Related Services

- Managed Identity Services
- Managed Compliance Services
- Managed Application Cloud
- Managed Applications Unlimited on Oracle Technology Cloud
- Managed Database Cloud Service
- Oracle Cloud Priority Support
- Mission Critical Support for SaaS
- Solution Support Center for PaaS and IaaS

<p>Web Application Vulnerability Assessment</p>	<p>Scans an internet-facing web application to detect security vulnerabilities introduced by change management events.</p> <p>Service features include:</p> <ul style="list-style-type: none"> <li>• Implementation of quarterly scans to identify cross-site scripting, SQL injection, cookie tampering, malicious file execution, and other web-based vulnerabilities or misconfigurations</li> <li>• Scan and analysis report providing details on applicability, risks, and trends for remediation of vulnerabilities</li> </ul>
<p>Web Application Firewall Service</p>	<p>Protect internet-facing applications sites against malicious attacks.</p> <p>Service features include:</p> <ul style="list-style-type: none"> <li>• Design and implementation of Web Application Firewall (WAF) for your internet-facing applications</li> <li>• Enablement of IP Intelligence filtering policies in the WAF for client connections to protected sites</li> <li>• Configuration of WAF policies in a monitoring and blocking mode</li> <li>• Integration of WAF with Oracle's Security Operations Center Security Information and Event Management System (SIEM) for continuous incident monitoring and response services</li> <li>• Periodic activity Reports</li> </ul>
<p>Penetration Testing Service</p>	<p>Simulated attack on an internet-facing web application environment to help identify and demonstrate vulnerabilities</p> <p>Service features include:</p> <ul style="list-style-type: none"> <li>• Experienced Oracle ethical hackers simulate actions of a competent and motivated hacker from the public internet.</li> <li>• Comprehensive scan and analysis report providing information about security risks found, severity ratings, and remediation recommendations</li> </ul>
<p>File Integrity Monitoring Service</p>	<p>Monitoring and alerts of unauthorized changes to system and application files to detect potential vulnerabilities of your Oracle environment</p> <p>Service features include:</p> <ul style="list-style-type: none"> <li>• Design and implementation of file integrity monitoring (FIM) policies on defined target nodes</li> <li>• Integration of target nodes with Oracle's Security Operations Center enabling continuous incident monitoring and response services</li> </ul>

## DATABASE SECURITY SERVICES INCLUDE:

SERVICE OFFERING	DESCRIPTION
Database Security Risk Assessment	<p>In-depth security assessment of the Oracle Database and workloads, including a risk-based report of findings, remediation recommendations.</p> <p>Service features include:</p> <ul style="list-style-type: none"> <li>• Comprehensive database risk assessment with 120+ database checks and application environment context</li> <li>• Executive and technical scan reports with risk assessment and remediation guidance</li> </ul>
Database Encryption Service	<p>Encryption of sensitive data in the Oracle Database to secure it against system or operating system level attacks and unauthorized access.</p> <p>Service features include:</p> <ul style="list-style-type: none"> <li>• Design, implementation, monitoring, and reporting</li> <li>• Transparent Database Encryption (TDE) to encrypt data stored in the file system layer of the database</li> </ul> <p>Required Oracle Database Security Technology: Oracle Advanced Security Option–Transparent Database Encryption*</p>
Database Vault Service	<p>Apply fine-grained access controls and restrict unauthorized users from accessing customer's data.</p> <p>Service features include:</p> <ul style="list-style-type: none"> <li>• Setup, design, and configuration of Oracle Database Vault realms and policies</li> <li>• Implementation, testing, monitoring, and reporting</li> </ul> <p>Required Oracle Database Security Technology: Oracle Database Vault*</p>
Database Audit Service	<p>Detection and alert of suspicious unauthorized database activities that compromise the security of your database. Facilitation of security forensic investigation.</p> <p>Service features include:</p> <ul style="list-style-type: none"> <li>• Installation and configuration of Oracle Audit Vault and client-side agents for Oracle Database</li> <li>• Integration of Oracle's Audit Vault program with Oracle's Security Information and Event Management system (SIEM) enabling continuous monitoring of Audit Vault alerts</li> <li>• Configure Oracle's recommended auditing policies</li> </ul>

	<ul style="list-style-type: none"> <li>• Configure standard Oracle Audit Vault Reports to enable automatic report distribution</li> <li>• Operational monitoring of Audit Vault and Audit Vault agents</li> </ul> <p>Required Oracle Database Security Technology: Oracle Audit Vault</p>
Data Masking Service	<p>Reduced security risks by masking production data in a non-production Oracle database while preserving its integrity.</p> <p>Service features include:</p> <ul style="list-style-type: none"> <li>• Definition of mask formats for the data elements</li> <li>• Development and testing of Oracle Enterprise Manager data masking scripts</li> <li>• Deployment, testing, and execution of data masking scripts</li> </ul> <p>Required Oracle Database Security Technology: Oracle Data Masking and Subsetting Pack*</p>

\* PaaS Database Cloud Service or Exadata Cloud Service subscriptions may include this option.

Take advantage of Oracle Managed Security Services to protect your most sensitive data against vulnerabilities in Oracle Cloud (including Cloud at Customer) or on premises.

## CONNECT WITH US

Call +1.800.ORACLE1 or visit [oracle.com/acs](https://oracle.com/acs).

Outside North America, find your local office at [oracle.com/contact](https://oracle.com/contact).

 [blogs.oracle.com/advanced-customer-services](https://blogs.oracle.com/advanced-customer-services)

## Integrated Cloud Applications & Platform Services

Copyright © 2019, Oracle and/or its affiliates. All rights reserved. This document is provided for information purposes only, and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document, and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group. 0119