Security on Oracle Cloud Infrastructure

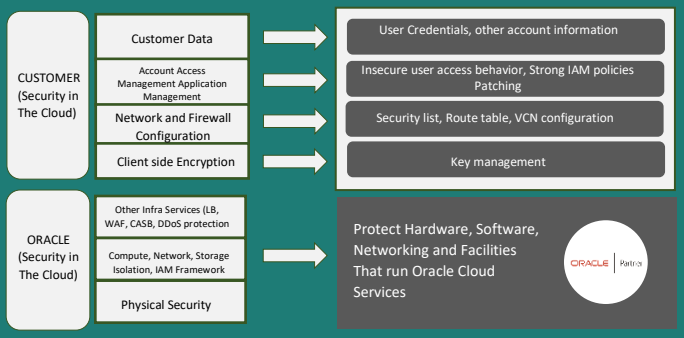
ebizoncloud ORACLE Partner

Ebizoncloud's mission is to build oracle cloud infrastructure and platform services for your business to have effective and manageable security to run your mission-critical workloads and store your data with confidence

OCI Security Capabilities

- Customer Isolation
- Data Encryption
- Security Controls
- Visibility
- Secure Hybrid Cloud
- High Availability
- Verifiably Secure Infrastructure
- Security Considerations

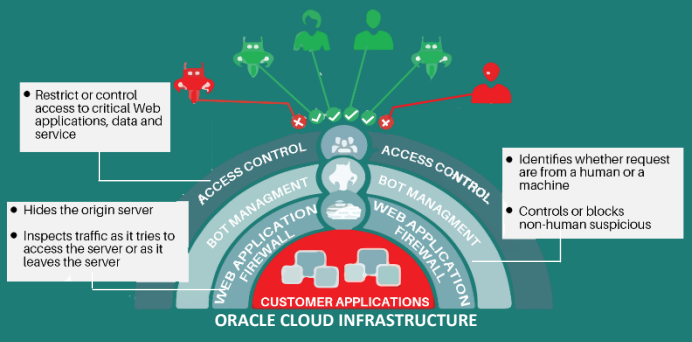
Shared Security Responsibility Model



Pillars of Trusted Enterprise Cloud Platform

1	Customer Isolation	Full isolation from other tenants and Oracle's staff, and between a tenant's workloads
2	Data Encryption	Meet compliance requirements regarding data encryption, cryptographic algorithms, and key management
3	Security Controls	Effective and easy-to-use security management to constrain access and segregate operational responsibilities | secure application delivery
4	Visibility	Provide log data and security analytics for auditing and monitoring actions on customer assets
5	Secure Hybrid Cloud	Enable customers to use their existing security assets | Integrate with on-premise security solutions | Support for third party security solutions
6	High Availability	Fault-independent data centers that enable high-availability scale-out architectures and are resilient against attacks
7	Verifiably Secure Infrastructure	Transparency about processes and internal security controls | Third-party audits and certifications | Customer pen-testing and vulnerability scanning | Jointly demonstrated compliance

Security Control (Resource Access)



Overview of Security Capabilities

1	Customer Isolation	Bare Metal Instance, VM Instance, VCN IAM, Compartments
2	Data Encryption	Default Encryption for Storage, Key Management, DB Encryption
3	Security Controls	User Authentication and Authorization, Instance Principals, Network Security Control, Web Access Firewall
4	Visibility	Audit Logs, CASB Based monitoring and enforcement
5	Secure Hybrid Cloud	Identify Federation Third Party Secure Solution, IPSEC VPN, Fast Connect
6	High Availability	Fault-independent data center, Fault Domain, SLA
7	Verifiably Secure Infrastructure	Security Operations, Compliance Certification and Attestation, Customer penetration and Vulnerability testing

We can Help you

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Oracle CASB cloud Service (Cloud Access Security Broker)

CASB are software that helps enterprises enforce security, Compliance and Governance policies for their usage of application in the cloud.

Visibility- Enterprise visibility into risk posture of Cloud usage Compliance – Out-of-the-box reporting for Audit and compliance to to security best practices Threat Protection – Autonomous threat detection and predictive analytics using Machine learning Data Protection – Data Classification and access control for sensitive data in the cloud.
Remediation and Enterprise Integrations – Autonomous remediation of threats and incidents with Enterprise integrations

Security Considerations

- Keep software up-to-date. This includes the latest product release and any patches that apply to it.
- Limit privileges as much as possible. Users should be given only the access necessary to perform their work. User privileges should be reviewed periodically to determine relevance to current work requirements
- Monitor system activity. Establish who should access which system components, and how often, and monitor those components.
- Learn about and use the Oracle Cloud Infrastructure security features.
- Keep up-to-date on security information. Oracle regularly issues security-related patch updates and security alerts. Install all security patches as soon as possible. Visit

Lawfully, Fairly, Transparently
Purpose Limitation
Accuracy
Integrity and Confidentiality

- Data Breach notification within 24 hours
- Oracle Services Privacy Policy gives transparency about Oracle's data handling as a processor
- Customers data stay in the home region chosen by the customer for their tenancy.
- Audit Service logs all calls to the APL.
- Compartments, VCN, and Tagging
- Object Storage, Block Volume and File Storage Services for keeping accurate copies of customer data and ensuring business continuity.
- Least privilege access control, data encryption, API authentication and MFA via identity federation for integrity and confidentiality.

Physical Security

- State-of-the-art "Tier IV Class" facilities in the US and Europe
- Sufficient redundancy of critical equipment such as power sources in case of a failure or breakdown
- Layered approach to physical security
  - Perimeter barriers
  - Site-specific badges and identification
  - Smart-card based authentication
  - Least-privilege access
  - Audited access usage
  - Video surveillance
  - Isolated security zones around server and networking racks

Third Party Audit, Certifications and Attestations

- ISO 27001
  - Regions: Phoenix (Arizona), Asuburn (Virginia), London (United Kingdom), and franfart (Germany)
  - Services covered: Compute, Block Volumes, Object Storage, Networking, Database, Governance, and Load Balancing
- SOC 1, SOC 2 and SOC 3
  - Regions: Phoenix (Arizona), Asuburn (Virginia), and franfart (Germany)
  - Services covered: Compute, Block Volumes, Object Storage, Networking, Database, Governance, and Load Balancing
- PCI DSS Attestation of Compliance
  - Services covered: Compute, Networking, Load Balancing, Block Volumes, Object Storage, Archive Storage, File Storage, Data Transfer Service, Database, Exadata, Container Engine for Kubernetes, Registry, Fast Connect, Fast Connect, and Governance

Third Party Audit Certifications and Attestations

- HIPAA Attestation
  - Services covered: Compute, Networking, Load Balancing, Block Volumes, Object Storage, Archive Storage, File Storage, Data Transfer, Database, Exadata, Fast Connect, and Governance Services.
- Strong security controls to meet GDPR requirements
- For a complete list of compliance certifications and attestations, visit https://www.oracle.com/cloud/cloud-infrastructure-compliance/

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