

KASCADE SECURITY

Project Brief

HIPAA-Ready OCI Landing Zone

Healthcare-Optimized Oracle Cloud Infrastructure

Overview

This project delivers a production-ready Oracle Cloud Infrastructure environment designed specifically for healthcare organizations. We implement HIPAA-aligned technical safeguards, automated compliance evidence collection via TitanGuard, and continuous threat detection through TitanWatch.

What We Build

Infrastructure Foundation

- OCI compartment architecture (production, staging, development)
- IAM policies, groups, and federation
- Virtual Cloud Network (VCN) with security lists and route tables
- Cloud Guard configuration and monitoring
- Centralized logging and alerting
- Budget controls and cost allocation tags
- Hardened Debian/Ubuntu base images

HIPAA-Aligned Controls

Access Controls (§164.312(a)(1)): Unique user identification, automatic logoff, session controls

Audit Controls (§164.312(b)): Centralized logging, retention policies, audit log review procedures

Encryption (§164.312(a)(2)(iv), §164.312(e)(2)(ii)): Data encryption at rest and in transit, key management

Transmission Security (§164.312(e)(1)): TLS/SSL enforcement, VPN configurations, secure data transfer

PHI Segmentation: Network isolation for PHI-handling workloads, access controls

Security Tooling

- **TitanGuard** automated HIPAA control mapping and compliance scanning
- **TitanWatch** deployed on all workloads handling Protected Health Information (PHI)
- Automated evidence collection templates for HIPAA audits
- 90-day evidence package generation (access logs, configuration snapshots, security findings)
- Continuous compliance monitoring dashboard

Compliance Documentation

- Technical safeguards implementation guide

- HIPAA-specific incident response playbook
- Quarterly access review procedures
- Business Associate Agreement (BAA) compliance verification checklist
- Architecture diagrams and network topology
- Administrator runbooks and user access guides

Project Timeline

Total Duration: 3-4 weeks from project kickoff

Week 1: Discovery & Design

- Kickoff meeting and requirements gathering
- Architecture design review
- Security controls mapping
- OCI tenancy setup (if needed)

Week 2: Implementation

- Infrastructure deployment (compartments, IAM, networking)
- Cloud Guard and monitoring configuration
- TitanGuard and TitanWatch deployment
- Hardened base image creation

Week 3: Security & Compliance

- HIPAA controls implementation
- Encryption configuration and testing
- Compliance scanning and evidence collection setup
- Security testing and validation

Week 4: Documentation & Handoff

- Final security review
- Documentation delivery
- Team training and knowledge transfer
- Project closeout and handoff to managed services

Investment

Project Fee: \$14,500

Includes: 90 days of Cascade Foundation managed services (\$10,500 value)

Total Package Value: \$25,000

Your Investment: **\$14,500**

Prerequisites

1. OCI tenancy established (or we can set this up during Week 1)
2. Business Associate Agreement signed (if handling PHI)
3. Initial architecture discussion (30-minute kickoff call)
4. Technical point of contact designated

What Happens After the Landing Zone

After project delivery, your environment transitions to ongoing managed services. The included 90 days of Cascade Foundation provides:

- Weekly TitanGuard compliance scanning
- Monthly security posture reports
- Quarterly cost optimization reviews
- Business hours support

You can upgrade to Cascade Managed (\$7,500/month) or Cascade Enterprise (\$15,000/month) at any time for additional operations, compliance, and security features.

Important Compliance Note

This landing zone implements HIPAA-aligned technical safeguards as specified in the HIPAA Security Rule. Final HIPAA compliance determination requires a comprehensive risk assessment and may involve administrative, physical, and additional technical safeguards beyond the scope of this cloud infrastructure project. Cascade Security Corp is not a healthcare compliance consulting firm and does not provide legal or regulatory compliance advice.

Next Steps

5. Schedule kickoff call to review requirements and timeline
6. Sign Master Services Agreement and project Statement of Work
7. Provide OCI tenancy access (or establish new tenancy)
8. Begin Week 1 discovery and design

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