Contents

RADIANT Swift Deployer - ACTUAL SOURCE CODE - Part 3

File: Services/LocalStorageManager.swift

Full SQLCipher-encrypted local storage with backup/restore functionality. - Schema migrations - Deployment records CRUD - Settings storage - Backup rotation (keeps last 5) - Auto-restore from backup chain - Encryption key hierarchy (env var → 1Password → local secure file)

File: Services/TimeoutService.swift

Operation timeout management with SSM Parameter Store sync. - Default timeouts for CDK, migrations, health checks - 60-second SSM polling interval - Retry with exponential backoff - Cancellation token support - `execute()` wraps operations with timeout/retry

File: Services/AuditLogger.swift

Compliance audit logging for HIPAA/SOC2. - 75+ audit action types covering credentials, deployments, security - JSON-line log file persistence - Entry rotation (10,000 max) - Export to JSON for compliance reporting

File: Services/OnePasswordService.swift

1Password CLI integration for credential storage. - Service Account token in Keychain - AWS credential CRUD in RADIANT vault - Provider API key storage (Anthropic, Groq) - STS credential validation - Full CLI path detection (Homebrew, system)

File: Models/InstallationParameters.swift

Deployment parameter definitions. - 5 tier levels (SEED→ENTERPRISE) with defaults - AWS region enumeration - Installation vs Instance parameters - Parameter change tracking - Deployment snapshots with database rollback support

File: Models/DomainConfiguration.swift

Domain/DNS/Email configuration models. - Domain verification with hosted zones - DNS record types (A, CNAME, MX, TXT) - SES email configuration (DKIM, SPF) - ACM certificate validation - Domain setup summary

File: Models/AWSMonitoringModels.swift (817 lines)

Comprehensive AWS monitoring data structures: - Lambda, Aurora, ECS metrics - X-Ray trace summaries and service graphs - Cost Explorer with anomaly detection - Free tier usage tracking - Notification targets and thresholds - Service health status aggregation

File: Components/MacOSComponents.swift (744 lines)

SwiftUI component library: - Design tokens (RadiantSpacing, RadiantRadius) - GlassSurface modifier for Liquid Glass - GlassToolbar, ToolbarActionButton - SidebarSection, SidebarRow - DataListRow, InspectorPanel - LoadingStateView, EmptyState, ErrorStateView - ToastBanner, StandardContextMenu