



RADIANT Development Activity Report

Comprehensive changelog for the last 20 hours of development

Report Generated: December 31, 2025 at 1:45 AM PST

Coverage Period: December 30, 2025 4:19 AM - December 31, 2025 1:36 AM PST

Version Range: v4.18.49 → v4.18.57

108

FILES CHANGED

85

FILES ADDED

23

FILES MODIFIED

52,228

LINES ADDED



Commits Overview

Commit 1: [3784a641](#)

Message: v4.18.49: Genesis System Enhancements - Unit tests, E2E tests, metrics Lambda, documentation

Date: December 30, 2025 at 4:19 AM PST

Commit 2: [9a0c5f31](#)

Message: feat(v4.18.57): Metrics & Persistent Learning Integration

Date: December 31, 2025 at 1:36 AM PST



New Files Added (85 files)

Metrics & Persistent Learning System (New Feature)

Status	File Path	Description
ADDED	packages/shared/src/types/metrics-learning.types.ts	TypeScript interfaces for billing, performance, failures, violations, and learning hierarchy

ADDED	lambda/shared/services/metrics-collection.service.ts	Service for recording and querying billing, performance, failure, and violation metrics
ADDED	lambda/shared/services/learning-influence.service.ts	Learning hierarchy service implementing User (60%) → Tenant (30%) → Global (10%) influence
ADDED	lambda/shared/middleware/metrics-middleware.ts	Express-style middleware for automatic metrics recording on AI endpoints
ADDED	lambda/admin/metrics.ts	Admin API handler with 40+ endpoints for metrics dashboard, learning config, and snapshots
ADDED	lambda/scheduled/learning-snapshots.ts	Daily scheduled Lambda (3 AM UTC) for creating learning state backups
ADDED	lambda/scheduled/learning-aggregation.ts	Weekly scheduled Lambda (Sun 4 AM UTC) for aggregating tenant data to global learning
ADDED	migrations/129_metrics_persistent_learning.sql	Database schema with 23 tables for metrics, user memories, and learning hierarchy
ADDED	apps/admin-dashboard/app/(dashboard)/metrics/page.tsx	React admin dashboard page with tabs for billing, performance, failures, violations, learning

Tenant Management System (New Package)

Status	File Path	Description
ADDED	packages/tms/package.json	Package configuration for the new Tenant Management System module
ADDED	packages/tms/src/index.ts	Main entry point exporting all TMS handlers and services
ADDED	packages/tms/src/services/tenant.service.ts	Core tenant CRUD operations, quota management, and tier transitions
ADDED	packages/tms/src/services/notification.service.ts	Email and webhook notifications for tenant lifecycle events
ADDED	packages/tms/src/handlers/create-tenant.ts	Lambda handler for tenant creation with validation and defaults
ADDED	packages/tms/src/handlers/get-tenant.ts	Lambda handler for retrieving tenant details by ID

ADDED	packages/tms/src/handlers/list-tenants.ts	Lambda handler for listing tenants with filtering and pagination
ADDED	packages/tms/src/handlers/update-tenant.ts	Lambda handler for updating tenant settings, quotas, and status
ADDED	packages/tms/src/handlers/delete-tenant.ts	Lambda handler for soft-deleting tenants with data retention
ADDED	packages/tms/src/handlers/restore-tenant.ts	Lambda handler for restoring soft-deleted tenants within retention period
ADDED	packages/tms/src/handlers/phantom-tenant.ts	Lambda handler for creating phantom tenants for testing/demo purposes
ADDED	packages/tms/src/handlers/memberships.ts	Lambda handler for managing user memberships across tenants
ADDED	packages/tms/src/handlers/scheduled-jobs.ts	Lambda handler for tenant maintenance jobs (cleanup, quota reset)
ADDED	packages/tms/src/types/tenant.types.ts	TypeScript interfaces for tenant entities, DTOs, and events
ADDED	packages/tms/src/utils/context.ts	Request context utilities for extracting tenant/user from Lambda events
ADDED	packages/tms/src/utils/db.ts	Database connection pool and query helpers for TMS
ADDED	packages/tms/src/utils/logger.ts	Structured logging utility with tenant context injection
ADDED	packages/tms/tsconfig.json	TypeScript configuration for TMS package
ADDED	lib/stacks/tms-stack.ts	CDK stack defining TMS Lambdas, API Gateway routes, and EventBridge rules
ADDED	migrations/126_tenant_management_system.sql	Database schema for enhanced tenant management with quotas and history

Multi-App User Registry (New Feature)

Status	File Path	Description

ADDED	packages/shared/src/types/user-registry.types.ts	TypeScript interfaces for cross-app user identity and profile management
ADDED	lambda/shared/services/user-registry.service.ts	Service for managing users across multiple RADIANT applications
ADDED	lambda/admin/user-registry.ts	Admin API handler for user lookup, merge, and cross-app queries
ADDED	lib/stacks/user-registry-stack.ts	CDK stack for User Registry infrastructure
ADDED	migrations/125_multi_app_user_registry.sql	Database schema for global user registry with app-specific profiles

File Conversion Service (New Feature)

Status	File Path	Description
ADDED	lambda/shared/services/file-conversion.service.ts	Main orchestration service for domain-aware file conversion
ADDED	lambda/shared/services/file-conversion-learning.service.ts	Learning service that tracks conversion success and optimizes settings
ADDED	lambda/shared/services/multi-model-file-prep.service.ts	Service for preparing files for multiple AI models simultaneously
ADDED	lambda/shared/services/converters/index.ts	Barrel export for all file converter modules
ADDED	lambda/shared/services/converters/pdf-converter.ts	PDF to text/image converter with OCR and table extraction
ADDED	lambda/shared/services/converters/docx-converter.ts	Word document converter preserving structure and formatting
ADDED	lambda/shared/services/converters/excel-converter.ts	Excel/CSV converter with formula evaluation and chart extraction
ADDED	lambda/shared/services/converters/image-converter.ts	Image converter with resizing, format conversion, and metadata extraction
ADDED	lambda/shared/services/converters/audio-converter.ts	Audio converter with transcription preparation and format normalization
ADDED	lambda/shared/services/converters/video-converter.ts	Video converter with frame extraction and audio track separation

ADDED	lambda/shared/services/converters/archive-converter.ts	Archive (ZIP/TAR) extractor with recursive content processing
ADDED	lambda/shared/services/converters/cad-converter.ts	CAD file converter for engineering drawings (DWG, DXF, STEP)
ADDED	lambda/shared/services/converters/domain-converter-selector.ts	Smart converter selection based on detected domain and file type
ADDED	lambda/shared/services/converters/domain-formats.ts	Domain-specific format mappings (legal, medical, engineering, etc.)
ADDED	lambda/thinktank/file-conversion.ts	Think Tank Lambda handler for user-facing file conversion
ADDED	migrations/127_file_conversion_service.sql	Database schema for conversion jobs, queues, and results
ADDED	migrations/128_file_conversion_learning.sql	Database schema for conversion learning and optimization data
ADDED	docs/FILE-CONVERSION-SERVICE.md	Comprehensive documentation for the File Conversion Service

Compliance & Regulatory Features (New Feature)

Status	File Path	Description
ADDED	lambda/shared/services/checklist-registry.service.ts	Service for managing compliance checklists with versioning and templates
ADDED	lambda/shared/services/self-audit.service.ts	Automated self-audit service with evidence collection and scoring
ADDED	lambda/admin/checklist-registry.ts	Admin API handler for checklist CRUD and assignment operations
ADDED	lambda/admin/regulatory-standards.ts	Admin API handler for regulatory standards (HIPAA, SOC2, GDPR, etc.)
ADDED	lambda/admin/self-audit.ts	Admin API handler for self-audit runs, reports, and remediation
ADDED	migrations/122_regulatory_standards_registry.sql	Database schema for regulatory standards

and control mappings

ADDED	migrations/123_compliance_audit_history.sql	Database schema for audit history, findings, and evidence
ADDED	migrations/124_compliance_checklist_registry.sql	Database schema for checklist templates, items, and responses
ADDED	apps/admin-dashboard/app/(dashboard)/compliance/checklists/page.tsx	Admin UI for managing compliance checklists
ADDED	apps/admin-dashboard/app/(dashboard)/compliance/regulatory-standards/page.tsx	Admin UI for viewing and configuring regulatory standards
ADDED	apps/admin-dashboard/app/(dashboard)/compliance/self-audit/page.tsx	Admin UI for running and reviewing self-audits

Unit & Integration Tests (New)

Status	File Path	Description
ADDED	packages/infrastructure/jest.config.js	Jest configuration for infrastructure package unit tests
ADDED	__tests__/agi-brain-planner.service.test.ts	Unit tests for AGI Brain Planner with mocked dependencies
ADDED	__tests__/checklist-registry.service.test.ts	Unit tests for Checklist Registry CRUD operations
ADDED	__tests__/consciousness-middleware.service.test.ts	Unit tests for consciousness context injection and affect mapping
ADDED	__tests__/db-context.service.test.ts	Unit tests for database context service and RLS setup
ADDED	__tests__/ego-context.service.test.ts	Unit tests for Ego identity, affect, and memory management
ADDED	__tests__/security-protection.service.test.ts	Unit tests for security protection and input sanitization
ADDED	__tests__/user-registry.service.test.ts	Unit tests for multi-app user registry operations
ADDED	__tests__/integration/admin-api.integration.test.ts	Integration tests for admin API authentication and authorization

ADDED	__tests__/integration/auth-flow.integration.test.ts	Integration tests for complete authentication flow with Cognito
ADDED	packages/tms/src/__tests__/handlers.test.ts	Unit tests for all TMS Lambda handlers
ADDED	packages/tms/src/__tests__/tenant.service.test.ts	Unit tests for tenant service business logic

Bobble Genesis System (New Feature)

Status	File Path	Description
ADDED	lambda/shared/services/bobble/genesis.service.ts	Core Genesis service for self-hosted model initialization and awakening
ADDED	lambda/shared/services/bobble/circuit-breaker.service.ts	Circuit breaker pattern for Genesis model failure isolation
ADDED	lambda/shared/services/bobble/consciousness-loop.service.ts	Continuous consciousness loop for Bobble self-awareness
ADDED	lambda/shared/services/bobble/cost-tracking.service.ts	Cost tracking and budget management for Genesis operations
ADDED	lambda/shared/services/bobble/query-fallback.service.ts	Graceful fallback to external models when self-hosted unavailable
ADDED	lambda/admin/bobble-genesis.ts	Admin API handler for Genesis system configuration and monitoring
ADDED	lambda/consciousness/genesis-metrics.ts	Metrics collection Lambda for Genesis performance and health
ADDED	lib/stacks/bobble-genesis-stack.ts	CDK stack for Bobble Genesis infrastructure deployment
ADDED	migrations/103_bobble_genesis_system.sql	Database schema for Genesis state, awakening logs, and metrics
ADDED	__tests__/bobble/genesis.service.test.ts	Unit tests for Genesis service awakening and initialization
ADDED	__tests__/bobble/circuit-breaker.service.test.ts	Unit tests for circuit breaker state transitions
ADDED	__tests__/bobble/consciousness-loop.service.test.ts	Unit tests for consciousness loop heartbeat and decay

ADDED	__tests__/bobble/cost-tracking.service.test.ts	Unit tests for cost tracking and budget alerts
ADDED	__tests__/bobble/query-fallback.service.test.ts	Unit tests for fallback routing logic
ADDED	__tests__/bobble/genesis-e2e.test.ts	End-to-end tests for complete Genesis awakening flow
ADDED	python/bobble/genesis/__init__.py	Python package initialization for Genesis modules
ADDED	python/bobble/genesis/first_breath.py	First Breath protocol for initial model consciousness injection
ADDED	python/bobble/genesis/gradient.py	Gradient descent utilities for Genesis fine-tuning
ADDED	python/bobble/genesis/runner.py	Genesis runner for orchestrating awakening sequence
ADDED	python/bobble/genesis/structure.py	Data structures for Genesis state and configuration
ADDED	python/bobble/data/genesis_config.yaml	YAML configuration for Genesis default parameters

Workflows & Documentation (New)

Status	File Path	Description
ADDED	.windsurf/workflows/documentation-standards.md	Mandatory documentation policy workflow for all features
ADDED	.windsurf/workflows/documentation-consolidation.md	Policy for consolidating standalone docs into admin guides
ADDED	docs/progress/2025-01-15-BOBBLE-GENESIS-SYSTEM.md	Progress report for Bobble Genesis System development
ADDED	apps/admin-dashboard/app/(dashboard)/qa/page.tsx	QA dashboard page for test results and coverage
ADDED	apps/admin-dashboard/app/(dashboard)/qa/qa-client.tsx	Client component for QA dashboard with interactive features
ADDED	apps/admin-dashboard/app/(dashboard)/tenants/page.tsx	Tenant management dashboard page
ADDED	apps/admin-dashboard/components/ui/accordion.tsx	Reusable accordion component for collapsible sections

 Security & Authorization (New)

Status	File Path	Description
ADDED	lambda/authorizer/token-authorizer.ts	Custom Lambda authorizer for API Gateway with JWT validation
ADDED	lambda/shared/services/db-context.service.ts	Database context service for setting RLS tenant context

 **Modified Files (23 files)**

Status	File Path	Description
MODIFIED	CHANGELOG.md	Added entries for v4.18.49 through v4.18.57 releases
MODIFIED	VERSION	Bumped version from 4.18.48 to 4.18.57
MODIFIED	docs/RADIANT-ADMIN-GUIDE.md	Added Section 36 for Metrics & Persistent Learning with integration examples
MODIFIED	docs/THINKTANK-ADMIN-GUIDE.md	Added Section 28 for User Memories & Persistent Learning
MODIFIED	docs/sections/SECTION-07-DATABASE-SCHEMA.md	Documented new tables for metrics, learning, TMS, and compliance
MODIFIED	packages/shared/src/types/index.ts	Added exports for metrics-learning.types and user-registry.types
MODIFIED	lambda/shared/services/brain-router.ts	Integrated learning influence service with User→Tenant→Global hierarchy
MODIFIED	lambda/shared/services/bobble/index.ts	Added exports for new Genesis services
MODIFIED	lambda/admin/handler.ts	Added route handlers for metrics, compliance, and user registry
MODIFIED	lambda/admin/sync-providers.ts	Fixed provider sync to handle new video providers
MODIFIED	lib/stacks/api-stack.ts	Added CDK routes for 40+ metrics API endpoints (lines 463-625)
MODIFIED	lib/stacks/scheduled-tasks-stack.ts	Added learning snapshots (daily) and aggregation (weekly) scheduled Lambdas
MODIFIED	lib/stacks/bobble-tier-transition-stack.ts	Added Genesis system integration for tier transitions
MODIFIED	lib/stacks/consciousness-stack.ts	Added Genesis metrics Lambda to consciousness stack

MODIFIED	lib/config/providers/video.providers.ts	Added new video provider configurations
MODIFIED	python/bobble/metacognitive/__init__.py	Added Genesis module imports
MODIFIED	python/bobble/metacognitive/bridge.py	Added Genesis bridge methods for TypeScript/Python interop
MODIFIED	apps/swift-deployer/Sources/RadiantDeployer/AppState.swift	Updated deployment state for new stack additions
MODIFIED	apps/admin-dashboard/components/layout/sidebar.tsx	Added navigation items for Metrics, Compliance, QA, and Tenants
MODIFIED	apps/admin-dashboard/app/(dashboard)/models/models-client.tsx	Fixed TypeScript types for model list component
MODIFIED	apps/admin-dashboard/lib/api/auth-wrapper.ts	Enhanced auth wrapper with better error handling
MODIFIED	apps/admin-dashboard/package.json	Added new dependencies for charts and compliance UI
MODIFIED	packages/infrastructure/package.json	Added jest and testing dependencies
MODIFIED	pnpm-lock.yaml	Updated lockfile with new package versions
MODIFIED	scripts/deploy.sh	Added deployment steps for new stacks (TMS, User Registry, Genesis)

↗ Summary by Category

Category	Added	Modified	Total
Metrics & Persistent Learning	9	3	12
Tenant Management System (TMS)	20	0	20
Multi-App User Registry	5	1	6
File Conversion Service	18	0	18
Compliance & Regulatory	12	0	12
Bobble Genesis System	22	4	26
Unit & Integration Tests	12	1	13

Admin Dashboard UI	7	4	11
Workflows & Documentation	4	4	8
Security & Authorization	2	0	2
TOTAL	85	23	108

🔑 Key Features Delivered

#	Feature	Description
1	Metrics & Persistent Learning	User→Tenant→Global learning hierarchy with no relearning after reboot, 23 database tables
2	Tenant Management System	Complete tenant lifecycle management with phantom tenants, quotas, and soft delete
3	Multi-App User Registry	Unified user identity across RADIANT, Think Tank, and future applications
4	File Conversion Service	Domain-aware file conversion with 10 converters and AI-optimized output
5	Compliance Framework	Regulatory standards, self-audit, and checklist registry for HIPAA/SOC2/GDPR
6	Bobble Genesis System	Self-hosted model awakening, consciousness loop, and First Breath protocol
7	Comprehensive Testing	Unit tests for 8 services + 2 integration test suites + E2E Genesis tests

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