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RADIANT Development Sprint Report

Period: January 17-18, 2026 (20-Hour Sprint)
Versions: 5.7.0 → 5.19.0
Report Generated: January 18, 2026 at 3:00 AM PST

Executive Summary

Category	Count
Additions (Finishing Unimplemented Features)	42
Modifications	8
Fixes	3
Total Changes	53

Additions (Finishing Unimplemented Features)

Moat Implementation Completion (v5.19.0)

#	Feature	Description
1	Concurrent Task Execution (Moat #17)	Split-pane UI supporting 2-4 simultaneous AI tasks with WebSocket multiplexing
2	Structure from Chaos Synthesis (Moat #20)	AI transforms whiteboard chaos into structured decisions, action items, and project plans
3	White-Label Invisibility (Moat #25)	Complete branding customization so end users never see RADIANT
4	Concurrent Execution Admin UI	Full parametric configuration page with layout selector, sync modes, and metrics
5	Structure from Chaos Admin UI	Admin page with entity extraction toggles, confidence threshold, and synthesis metrics
6	White-Label Admin UI	6-tab configuration page for branding, domains, visibility, legal, and emails

Enhanced Collaboration Features (v5.18.0)

#	Feature	Description
7	Cross-Tenant Guest Access	Guest invite system with shareable links, permissions, and viral tracking
8	AI Facilitator Mode	AI moderator that guides collaborative sessions with configurable personas
9	Branch & Merge Conversations	Fork conversations to explore alternatives with merge request workflow
10	Time-Shifted Playback	Session recording with playback controls and AI-detected key moments
11	AI Roundtable (Multi-Model Debate)	Multiple AI models debate topics with synthesis of consensus points
12	Shared Knowledge Graph	Interactive visualization of collective understanding with gap detection
13	S3 Attachment Storage	Large file storage with automatic cleanup and retention policies

Magic Carpet UI System (v5.16.0 - v5.17.0)

#	Feature	Description
14	Magic Carpet Navigator	Bottom navigation with journey breadcrumbs and destination selector
15	Reality Scrubber Timeline	Video-editor style timeline for state snapshots and time travel
16	Quantum Split View	Side-by-side parallel reality comparison with diff highlighting
17	Pre-Cognition Suggestions	Predicted actions panel with telepathy score
18	AI Presence Indicator	AI cognitive/emotional state visualization

#	Feature	Description
19	Spatial Glass Effects	Glassmorphism UI primitives with depth perception
20	Focus Mode Controls	Attention management with timer and overlay

Reality Engine - Four Supernatural Capabilities (v5.15.0)

#	Feature	Description
21	Morphic UI	Intent-driven interface shapeshifting with 50+ components and Ghost State binding
22	Reality Scrubber	Full state time travel replacing “Undo” with bookmark system
23	Quantum Futures	Parallel reality branching for A/B testing architectures (up to 8 branches)
24	Pre-Cognition	Speculative execution predicting next 3 likely user moves with 0ms latency

Liquid Interface - Generative UI (v5.14.0)

#	Feature	Description
25	50+ Morphable Components	DataGrid, Charts, Kanban, Calendar, CodeEditor, Terminal, and more
26	Intent Detection	Automatic UI morphing based on user message analysis
27	Ghost State (Two-Way Binding)	Bidirectional bindings between UI components and AI context
28	Eject to App	Export ephemeral liquid apps to deployable Next.js/Vite codebases

Think Tank Advanced Features (v5.13.0)

#	Feature	Description
29	Flash Facts (“Knowledge Sparks”)	Fast-access factual memory with semantic search and verification
30	Grimoire (“Spell Book”)	Procedural memory system for reusable patterns with 8 schools of magic
31	Economic Governor (“Fuel Gauge”)	Model arbitrage and cost optimization with 5 governor modes
32	Sentinel Agents (“Watchtower”)	Event-driven autonomous agents for monitoring with configurable triggers
33	Time-Travel Debugging	Conversation forking and state replay with timeline branching

#	Feature	Description
34	Council of Rivals (“Debate Arena”)	Multi-model adversarial consensus with 5 member roles
35	Security Signals (“Security Shield”)	SSF/CAEP integration for identity security with automated responses
36	Policy Framework (“Stance Compass”)	Strategic intelligence and regulatory stance configuration

Infrastructure & Learning Systems (v5.7.0 - v5.12.6)

#	Feature	Description
37	Ethics Enforcement (Ephemeral)	Runtime ethics loading with retry guidance - never persistently learned
38	Admin Reports System	Complete report writer with scheduling, recipients, and multi-format generation
39	Persistence Guard	Global data integrity enforcement with SHA-256 checksums and WAL
40	S3 Storage Admin Dashboard	Admin UI for managing S3 content offloading with full stats
41	S3 Content Offloading	Large content offloaded to S3 with content-addressable deduplication
42	Session Persistence	All in-memory state persists to database for Lambda restart recovery

Modifications

#	Component	Change Description
1	Moat Registry	Consolidated from 26 to 25 moats, removing Multi-App Portfolio Bundling
2	evaluate-moats.md	Updated workflow with refined classification criteria and tier counts
3	STRATEGIC-VISION-MARKETING.md	Updated with consolidated moat list and corrected counts
4	THINKTANK-ADMIN-GUIDE.md	Added Sections 43-44 for Concurrent Execution and Structure from Chaos
5	RADIANT-ADMIN-GUIDE.md	Added Section 59 for White-Label Invisibility with full documentation
6	Sidebar Navigation	Added 3 new navigation entries for moat admin pages
7	Tri-Layer LoRA Stacking	Enhanced from single adapter to Genesis → Cato → User layer architecture
8	Cognitive Brain Service	Now passes userId for Layer 2 (User Persona) adapter selection

Fixes

#	Issue	Resolution
1	Type Export Ambiguity	Renamed conflicting types with Chaos prefix to resolve export collisions
2	Tier 4 Moat Count	Corrected count from 4 to 3 in evaluate-moats.md after removing moat #26
3	Documentation Consistency	Updated all references from “26 moats” to “25 moats” across all docs

Files Created (Summary)

Types & Shared

- packages/shared/src/types/concurrent-execution.types.ts
- packages/shared/src/types/structure-from-chaos.types.ts
- packages/shared/src/types/white-label.types.ts
- packages/shared/src/types/reality-engine.types.ts
- packages/shared/src/types/magic-carpet.types.ts
- packages/shared/src/types/liquid-interface.types.ts
- packages/shared/src/types/enhanced-collaboration.types.ts

Services (26 new services)

- lambda/shared/services/concurrent-execution.service.ts
- lambda/shared/services/structure-from-chaos.service.ts
- lambda/shared/services/white-label.service.ts
- lambda/shared/services/reality-engine/*.ts (4 services)
- lambda/shared/services/magic-carpet/*.ts
- lambda/shared/services/liquid-interface/*.ts
- lambda/shared/services/enhanced-collaboration.service.ts
- lambda/shared/services/episode-logger.service.ts
- lambda/shared/services/paste-back-detection.service.ts
- lambda/shared/services/skeletonizer.service.ts
- lambda/shared/services/recipe-extractor.service.ts
- lambda/shared/services/dpo-trainer.service.ts
- lambda/shared/services/graveyard.service.ts
- lambda/shared/services/tool-entropy.service.ts
- lambda/shared/services/shadow-mode.service.ts
- lambda/shared/services/empiricism-loop.service.ts
- lambda/shared/services/ethics-enforcement.service.ts
- lambda/shared/services/persistence-guard.service.ts
- lambda/shared/services/s3-content-offload.service.ts
- lambda/shared/services/report-generator.service.ts

API Handlers

- `lambda/thinktank/concurrent-execution.ts`
- `lambda/thinktank/structure-from-chaos.ts`
- `lambda/admin/white-label.ts`
- `lambda/thinktank/reality-engine.ts`
- `lambda/thinktank/liquid-interface.ts`
- `lambda/thinktank/enhanced-collaboration.ts`
- `lambda/admin/reports.ts`
- `lambda/admin/s3-storage.ts`
- `lambda/admin/s3-orphan-cleanup.ts`

Database Migrations (12 new migrations)

- `migrations/170_concurrent_execution.sql`
- `migrations/171_structure_from_chaos.sql`
- `migrations/172_white_label.sql`
- `migrations/162_reality_engine.sql`
- `migrations/163_magic_carpet.sql`
- `migrations/161_liquid_interface.sql`
- `migrations/163_enhanced_collaboration.sql`
- `migrations/100_thinktank_advanced_features.sql`
- `migrations/V2026_01_17_001__empiricism_loop.sql`
- `migrations/V2026_01_17_002__enhanced_learning_pipeline.sql`
- `migrations/V2026_01_17_004__s3_content_offloading.sql`
- `migrations/V2026_01_17_006__admin_reports.sql`

Admin Dashboard UI

- `apps/admin-dashboard/app/(dashboard)/thinktank/concurrent-execution/page.tsx`
 - `apps/admin-dashboard/app/(dashboard)/thinktank/structure-from-chaos/page.tsx`
 - `apps/admin-dashboard/app/(dashboard)/settings/white-label/page.tsx`
 - `apps/admin-dashboard/components/thinktank/magic-carpet/*.tsx` (7 components)
 - `apps/admin-dashboard/components/collaboration/*.tsx`
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Version Progression

- 5.7.0 → Deployment Safety & Environment Management
- 5.8.0 → LoRA Inference Integration (Foundation)
- 5.9.0 → Tri-Layer LoRA Adapter Stacking Architecture
- 5.10.0 → Proactive Boot Warm-Up for Global Adapters
- 5.11.0 → Empiricism Loop - The "Consciousness Spark"
- 5.11.1 → Cato/Genesis Consciousness Architecture Documentation
- 5.12.0 → Enhanced Learning Pipeline (Procedural Wisdom Engine)
- 5.12.1 → Session Persistence for Learning Pipeline
- 5.12.2 → S3 Content Offloading with Orphan Cleanup
- 5.12.3 → S3 Storage Admin Dashboard
- 5.12.4 → Persistence Guard (Global Data Integrity)

5.12.5 → Admin Reports System
 5.12.6 → Ethics Enforcement (Ephemeral)
 5.13.0 → Think Tank Advanced Features (8 Systems)
 5.14.0 → Liquid Interface (Generative UI)
 5.15.0 → Reality Engine - Four Supernatural Capabilities
 5.16.0 → Magic Carpet - Unified Navigation Paradigm
 5.17.0 → Magic Carpet UI Components
 5.18.0 → Enhanced Collaboration Features
 5.19.0 → Moat Implementation Completion (25 Moats)

Moat Status Summary

25 Fully Implemented Competitive Moats

Tier	Count	Time to Replicate	Examples
Tier 1 (Technical)	8	18-24+ months	Truth Engine, Genesis Cato Safety, Reality Engine
Tier 2 (Architectural)	8	12-18 months	True Multi-Tenancy, Liquid Interface, Tri-Layer LoRA
Tier 3 (Feature)	6	6-12 months	Concurrent Execution, Structure from Chaos, Curiosity Engine
Tier 4 (Business)	3	3-9 months	Unit Economics, White-Label Invisibility

Report prepared by RADIANT Development Team
Platform Version: 5.19.0 / Think Tank Version: 3.5.0