

AIRS – Executive & Technical Briefing

Executive Summary

The AI Incident Readiness Score (AIRS) is a FastAPI-based platform designed to evaluate organizational security readiness through structured questionnaires, deterministic scoring, and automated findings. AI-generated narratives enhance executive communication without influencing core scoring logic.

Core Design Principle

A strict separation exists between deterministic assessment logic and generative AI outputs to preserve trust, auditability, and repeatability.

Key Platform Features

- Structured security questionnaires across multiple domains
- Deterministic scoring engine using a predefined rubric
- Framework-aligned findings and mappings (MITRE, OWASP, CIS)
- Remediation roadmap tracking
- Professional PDF report generation

AI Capability Boundaries

Executive summaries and roadmap narratives may be AI-generated; all scores, severities, and compliance mappings remain rule-based.

Technical Stack

- Backend: FastAPI, SQLAlchemy, Pydantic
- Frontend: React
- Database: SQLite (local), PostgreSQL (production)
- LLM: Google Gemini
- Migrations: Alembic

Deployment & Security

- Cloud Run with gunicorn + uvicorn workers
- Secrets via Secret Manager
- Private GCS buckets with signed URL access
- CORS verification endpoint for production safety