

MODERNIZATION, DONE RIGHT

Know your legacy.

Before you touch it.

Most modernization projects fail in discovery - not execution. The framework analyzes your entire codebase, producing a complete migration blueprint: architecture findings, per-component specs, a wave-based execution plan, and behavioral equivalence checks. All traceable to the source.

EXECUTIVE CHALLENGES

The **real** reasons modernization projects stall - or fail entirely

These patterns repeat across industries, team sizes, and tech stacks. If any sound familiar, you're not alone.

01

Discovery consumes months before anything changes

Architecture interviews, manual code walkthroughs and workshops just to understand what you own - before a single ticket is written.

02

Nobody has a complete map of the system

Documentation drifted from reality years ago. Business rules hide in untested paths and surface mid-migration.

03

Risk is impossible to quantify before commitment

Without evidence-grounded analysis, risk registers are guesswork - and gut-feel architectures don't pass scrutiny.

04

Estimates blow up once real work begins

The first sprint reveals dependencies no one knew existed. Scope expands, velocity drops, the roadmap becomes a liability.

05

Migration knowledge lives only in people's heads

Senior engineers carry institutional knowledge that isn't documented. When they leave, the program loses its compass.

06

No way to prove the new system behaves correctly

Without systematic equivalence validation, teams over-test manually or simply trust that "it looks the same."

The AI-Powered Modernization Framework was built to solve exactly these problems.

SEE HOW IT WORKS
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This isn't AI-assisted. It's **AI-native**.

- **Reads the entire codebase simultaneously**

No blind spots, no missed dependencies, no business rules hiding in untested paths.

- **Full migration plan in a fraction of the time**

Architecture analysis, gap assessment, roadmap and per-component specs - in a single automated run.

- **Every finding traces to a source line**

Each finding links to a file, line and commit SHA. No hand-wavy diagrams that don't survive contact with reality.

- **Risk surfaced before commitment, not during**

14 lenses across security, resilience, observability and compliance reveal the risk profile before budgets are approved.

HOW IT WORKS. FOUR PHASES, ONE SYSTEM

- **INGEST**

Your codebase becomes searchable knowledge

Every repo ingested to a vector store, queryable by AI - never browsed from disk.

- **ANALYZE**

A complete, evidence-grounded picture

A 7-dimension readiness snapshot and 14 quality lenses. Every finding traced to a SHA.

- **IMPLEMENT**

Parallel agents migrate, wave by wave

Analyst, architect, developer and tester agents build from spec, gated by human review.

- **MAINTAIN**

Drift detected as your codebase evolves

Every re-run is versioned and diffable. A register flags where code and docs diverge.

REAL-WORLD CASE STUDY

Proven on a **FinTech** platform

A Java monolith - thousands of files, multi-tenant architecture, 20+ locales and mandatory audit columns - targeting a full microservices rewrite on cloud infrastructure.

~2 hours

end-to-end analysis

7000+

files analyzed

194

doc pages assessed

33

report sections

19

migration specs

10

equivalence checks

WHAT YOU RECEIVE

01 Analysis PDF

A 33-section, fully navigable report - findings, architecture, migration strategy and execution plan, with clickable TOC and citations.

03 Equivalence checks

API-level validation confirms the refactored system behaves exactly like the original before decommissioning.

02 Refactored code

Generated from the migration specs, ready to review and test.

04 Works with any AI via MCP

Connect the framework to Claude, GPT or any MCP-compatible client - your team stays in its preferred tool.

Ready to see what's actually in your legacy system?

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