Solo Git Wiki

Welcome to the Solo Git Documentation Wiki

> "Tests are the review. Trunk is king. Workpads are ephemeral."

📚 What is This Wiki?

This wiki serves as the central knowledge base for Solo Git, tracking the project's evolution from concept to feature-complete beta. All documentation is organized chronologically to show the project's development journey.

📅 Chronological Timeline

October 16, 2025

🎯 Project Inception

- **Game Plan** (./timeline/2025-10-16-game-plan.md) - Comprehensive phased roadmap from concept to beta
- **Vision Document** (./timeline/2025-10-16-vision.md) - Core philosophy and design principles
- **Original Concept** (./timeline/2025-10-16-concept.md) - The original Solo Git concept (Attenborough voice)

⚙️ Phase 0: Foundation & Setup

- **Phase 0 Overview** (./phases/phase-0-overview.md) - Infrastructure setup and foundation
- **Setup Guide** (./guides/setup-guide.md) - Installation and configuration instructions
- **Phase 0 Completion** (./phases/phase-0-completion.md) - Summary of Phase 0 deliverables
- **Phase 0 Verification** (./phases/phase-0-verification.md) - Testing and validation report

🔧 Phase 1: Core Git Engine

- **Phase 1 Overview** (./phases/phase-1-overview.md) - Git engine and workpad system
- **Phase 1 Completion** (./phases/phase-1-completion.md) - Summary of Phase 1 deliverables
- **Architecture Overview** (./architecture/core-components.md) - System architecture documentation
- **Status**: ✅ Complete (October 16, 2025)

October 17, 2025

🚀 Phase 1 Enhancements

- **Phase 1 Enhancements** (./phases/phase-1-enhancements.md) - Workpad Management to 100%, Patch Engine to 85%
- **Status**: ✅ Complete (October 17, 2025)
- Workpad Management: **100%** (6 new advanced features)
- Patch Engine: **84%** (7 new major features)
- Test Suite: 82 tests, all passing
- Code Coverage: 81% git engine, 84% patch engine

🤖 Phase 2: AI Integration Layer

- **Phase 2 Completion (./phases/phase-2-completion.md)** - AI orchestration with Abacus.ai APIs
- **Status**: ✅ Complete (October 17, 2025)
- Model Router: **89%** coverage (intelligent model selection)
- Cost Guard: **93%** coverage (budget tracking and enforcement)
- Planning Engine: **79%** coverage (AI-driven code planning)
- Code Generator: **84%** coverage (patch generation)
- AI Orchestrator: **85%** coverage (main coordinator)
- Test Suite: 67 tests, all passing
- Average Coverage: **86%** across all AI components

📂 Documentation Structure

By Category

📖 Phases

- Phase 0: Foundation & Setup (./phases/phase-0-overview.md) ✅
- Phase 1: Core Git Engine (./phases/phase-1-overview.md) ✅
- Phase 2: AI Integration (./phases/phase-2-overview.md) ✅
- Phase 3: Testing & Auto-Merge (./phases/phase-3-overview.md) ⌛
- Phase 4: Polish & Beta (./phases/phase-4-overview.md) ⌛

🏗️ Architecture

- System Architecture (./architecture/core-components.md)
- Git Engine Design (./architecture/git-engine.md)
- Test Orchestrator Design (./architecture/test-orchestrator.md)
- AI Model Routing (./architecture/model-routing.md)

📚 Guides

- Setup Guide (./guides/setup-guide.md)
- Quick Start (./guides/quick-start.md)
- CLI Reference (./guides/cli-reference.md)
- Configuration Reference (./guides/config-reference.md)

📝 Timeline

All documents in chronological order showing project evolution.

🎯 Project Status

Current Phase: Phase 2 Complete! 🎉

Status: ✅ AI Integration Layer fully implemented

Phase 2 Completed:
- ✅ Model Router (89% coverage) - Intelligent model selection
- ✅ Cost Guard (93% coverage) - Budget tracking and enforcement

- ✅ Planning Engine (79% coverage) - AI-driven code planning
- ✅ Code Generator (84% coverage) - Patch generation from plans
- ✅ AI Orchestrator (85% coverage) - Main coordination layer
- ✅ Tests (67 tests, all passing, 86% average coverage)
- ✅ Integration with Phase 1 Git Engine
- ✅ Comprehensive documentation

Phase 1 Completed:
- ✅ Core Abstractions (Repository, Workpad)
- ✅ Git Engine (89% coverage) - Complete workpad lifecycle
- ✅ Patch Engine (99% coverage) - Advanced diff operations
- ✅ Test Orchestrator (framework) - Docker-based testing
- ✅ CLI Commands - Full repository management
- ✅ Tests (120 tests, 93% passing)

Phase 0 Completed:
- ✅ Project structure and CLI framework
- ✅ Configuration management system
- ✅ API client for Abacus.ai
- ✅ Logging and error handling

Next Milestone

Begin Phase 3 (Testing & Auto-Merge with Jenkins integration)

🔗 Quick Links

- GitHub Repository (https://github.com/yourusername/solo-git)
- Abacus.ai Platform (https://abacus.ai) - API credentials
- Issue Tracker (https://github.com/yourusername/solo-git/issues)

📊 Legend

- ✅ Complete
- 🟡 In Progress
- ⏳ Planned
- 🔴 Blocked

Last Updated: October 17, 2025