Milestone List

Milestone List

Generated by adpa-enterprise-framework-automation v3.2.0
Category: planning
Generated: 2025-07-14T21:23:52.270Z
Description: PMBOK Milestone List

Milestonelist

Project: ADPA – Advanced Document Processing & Automation Framework
Version: 3.2.0
Maintainer: GitHub Repository
License: MIT
Latest Update: July 2025

Purpose

This document provides a comprehensive, project-specific milestone list for ADPA (Advanced Document Processing & Automation Framework). It

reflects both delivered features and planned initiatives, ensuring alignment with enterprise standards, AI-powered automation, and extensibility for large-scale, regulated environments.

Milestone Overview

Milestone Period	Theme	Status
Q1 2025	Core Compliance & Integrations	✅ Complete
Q2 2025	Data Management & Scalability	🚧 In Progress
Q3 2025	Enterprise & Collaboration	⏳ Planned

Detailed Milestone List

Milestone 1: Core Standards & Integrations (Q1 2025)

Status: ✅ Complete

- **BABOK v3 Full Implementation**
  - Enterprise requirements elicitation, stakeholder analysis, planning, and validation.
  - Production-ready templates and automated workflows.
- **PMBOK 7th Edition Support**
  - Project charter, scope, risk, resource/schedule, and cost management automation.
  - Standards-compliant document generation and reporting.
- **Multi-Provider AI Orchestration**

- Support for OpenAI (GPT-4, GPT-3.5), Google AI (Gemini), GitHub Copilot, Ollama, and Azure OpenAI.
- Automatic provider failover and context management.
- **Enterprise Integration**
  - Confluence direct publishing (OAuth2, push-to-space).
  - SharePoint integration via Microsoft Graph API (OAuth2), including metadata management and batch publishing.
  - Adobe PDF generation (Phase 1: Markdown to styled PDF).
- **Security & Compliance**
  - API Key & JWT authentication.
  - Regulatory compliance: Basel III, MiFID II, GDPR, SOX, FINRA, PCI DSS, more.
- **API-First Architecture**
  - TypeSpec OpenAPI 3.0-based RESTful endpoints.
  - Swagger UI & developer documentation.

Milestone 2: Data Management, Containerization & Analytics (Q2 2025)

Status: 🚧 In Progress

- **DMBOK 2.0 Implementation**
  - Data governance, architecture, and quality automation modules.
  - Master data management and data privacy compliance features.
- **Containerization & Cloud-Native Deployment**
  - Publish official Docker images (`docker pull adpa/enterprise-framework:latest`).
  - Provide Kubernetes deployment templates for enterprise scaling.
- **Advanced Analytics Dashboard**
  - Real-time usage metrics, document generation statistics, and audit logs.
  - Integration with monitoring tools (Prometheus, Grafana).
- **Adobe Creative Suite Integration (Phase 2)**

- InDesign, Illustrator, and Photoshop API orchestration for premium output.
  - Template-driven, brand-consistent document generation.
  - See [Adobe Phase 2 Implementation Guide](#) for details.
- **API Center & Standards Registration**
  - Azure API Center setup for standards-compliance exposure and governance.
  - Manual and automated OpenAPI spec registration (see Azure guides in `/docs/AZURE/`).

Milestone 3: Enterprise SSO, Workflow Automation & Collaboration (Q3 2025)

Status: ⌛ Planned

- **Enterprise SSO Integration**
  - SAML, OAuth2, and Active Directory federation for single sign-on.
  - Role-based access control aligned with enterprise policies.
- **Advanced Workflow Automation**
  - End-to-end document pipelines with approval, review, and publishing stages.
  - Customizable triggers and integrations (e.g., Jira, ServiceNow).
- **Real-Time Collaboration Features**
  - Concurrent document editing (WebSockets, operational transformation).
  - Project sharing, access control, and audit trail capability.
  - Team management and user roles (admin, PM, BA, stakeholder, viewer).
- **Mobile Application Support**
  - Responsive web portal and (planned) native mobile app for document management and approval workflows.

Supplementary Milestones

Ongoing & Cross-Cutting

- **Comprehensive Testing**
  - Unit, integration, and provider-specific tests (OpenAI, Azure, GitHub, Ollama).
  - Performance and security testing, CI/CD integration.
- **Developer Experience**
  - CLI improvements (interactive AI provider selection).
  - Enhanced admin UI (Next.js portal).
  - API documentation automation and code linting.
- **Community & Support**
  - Open source contribution guidelines, GitHub Discussions, and enterprise support channel.

Practical Guidance

- **Reference Docs:**
  - [Adobe Integration](#)
  - [SharePoint Integration](#)
  - [Azure API Center Setup](#)
- **Scripts & Automation:**
  - Use `npm run [task]` for all build, test, and integration activities.
  - CLI (`adpa`) and API server (`npm run api:start`) are core entry points.
- **Security:**
  - Always configure environment variables (`.env`) for provider keys.
  - Use enterprise authentication for production deployments.

What Makes ADPA Unique

- **Enterprise-Grade, Standards-Compliant:** Designed from the ground up for Fortune 500 and regulated environments.

- **Plug-in AI Orchestration:** Multi-provider, failover-capable AI engine.
- **Extensible Architecture:** Microservices-ready, with strong APIs and integration points.
- **Automated Best Practices:** Out-of-the-box compliance with BABOK, PMBOK, and DMBOK.
- **End-to-End Workflow:** From template-driven document creation to regulatory publishing and analytics.

Version Tracking & Future Roadmap

- **Latest Release:** v3.2.0 ([changelog](#))
- **Next Major:** v4.0 – Focus on collaboration, SSO, workflow automation, and mobile support.
- **Community Feedback:** Actively solicited on [GitHub Discussions](#).

For detailed technical and implementation guidance, see the project [GitHub Wiki](#) and the `/docs/` directory.