

# Milestone List

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## Milestone List

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## Milestonelist

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**Project:** ADPA – Advanced Document Processing & Automation Framework  
**Version:** 3.2.0  
**Maintainer:** [GitHub Repository](#).  
**License:** MIT  
**Latest Update:** July 2025

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## Purpose

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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.
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## 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/` ).
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## 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.
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## Supplementary Milestones

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## 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.
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## 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.
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## 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.
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## Version Tracking & Future Roadmap

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

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