



Wappa - WhatsApp Workflow Framework

Overview

Wappa is an open-source Python framework for building smart workflows, agents, and full chat applications through WhatsApp. It provides developers with a clean, modular interface to create sophisticated WhatsApp Business API integrations.

Key Features

- **Simple Integration:** Clean `from wappa import WhatsAppMessenger` interface
- **Complete Messaging Support:** Text, media, interactive buttons, templates, and specialized messages
- **Event-Driven Architecture:** Webhook-based event dispatcher with customizable handlers
- **Multi-Tenant Ready:** Built-in support for multiple WhatsApp Business accounts
- **CLI Tooling:** Easy project scaffolding with `wappa init` command

Core Components

- **WhatsApp Messenger:** Unified messaging interface supporting all WhatsApp Business API message types with `async/await` support.
- **Event Dispatcher:** Central routing system that processes incoming webhooks and dispatches them to appropriate business logic handlers.
- **Universal Webhooks:** Platform-agnostic webhook processing that normalizes WhatsApp webhook data into clean, typed interfaces.

Target Use Cases

- **Customer Support Bots:** Automated support workflows with human handoff
- **Business Automation**:** Order processing, appointment booking, notifications
- **Smart Agents:** AI-powered conversational interfaces
- **Chat Applications:** Full-featured WhatsApp-based applications

Architecture

Wappa follows clean architecture principles with clear separation between:

- Domain interfaces (platform-agnostic contracts)
- WhatsApp-specific implementations
- Business logic handlers

- Infrastructure adapters

Built with Python 3.12, FastAPI, and modern async patterns for high-performance webhook processing.