

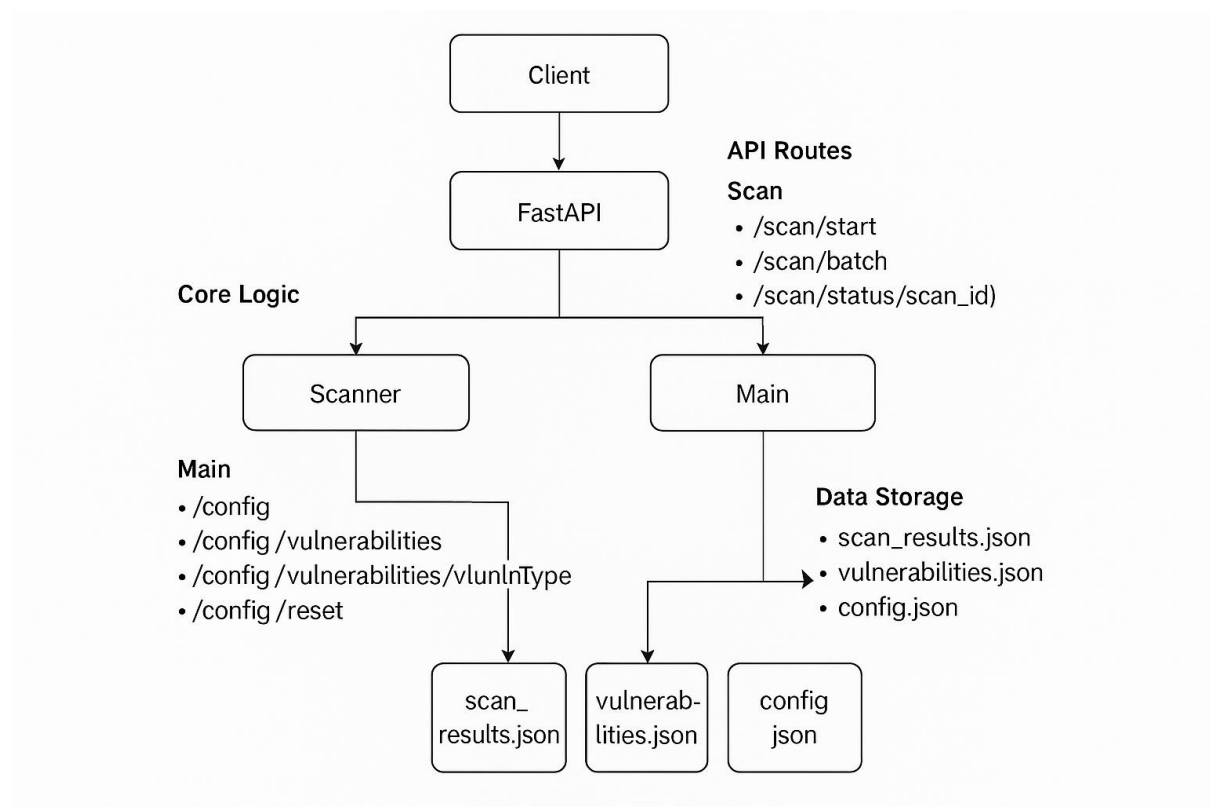
Fast API Backend

This is a Fast API-based backend for scanning URLs, managing vulnerability reports, and handling configurations.

Features

- ✓ Start and monitor URL scans
- ✓ Generate reports with vulnerability details
- ✓ Manage scanning configuration and vulnerability rules
- ✓ JSON-based data storage for simplicity

Architecture Diagram



Data Files

All persistent data is stored in the data/ folder as JSON files.

- ✓ config.json – Settings used during scans
- ✓ vulnerabilities.json – Known vulnerability patterns/rules
- ✓ scan_results.json – Output of scans

API Endpoints

1. Scan API

Method	Endpoint	Description
POST	api/scan/start	Start a new scan
POST	api/scan/batch	Batch scan multiple URLs
GET	api/scan/status/{id}	Get scan status by ID
GET	api/scan/active	List active scans

2. Report API

Method	Endpoint	Description
GET	/api/report	Get all Reports
GET	/api/report/{report_id}	Get details of a specific report
GET	/api/report/summary/recent?days=7	Get report summary of recent X days
GET	/api/report/stats/vulnerability_types	List active scans Get stats by vulnerability types
DELETE	/api/report/{report_id}	Delete a report

3. Config API

Method	Endpoint	Description
GET	/api/config	Get current configuration
PATCH	/api/config	Update configuration
GET	/api/config/vulnerabilities	Get vulnerability rules
PATCH	/api/config/vulnerabilities/{vulnType}	Update a specific vulnerability rule
POST	/api/config/reset	Reset configuration