

ARCHITETTURA TECNICA - DevOps Dashboard v2.0

PRESENTATION LAYER

Desktop GUI
(PyQt5)

Web App
(FastAPI+Jinja2)

Mobile App
(Flutter)

CLI
(Typer)

API LAYER

FastAPI REST API

(JWT Auth + RBAC + Rate Limiting)

/auth /network /security /finops /billing /cloud
/containers /cicd /rmm /zabbix /automation /monitoring
/dashboard /projects /clients /config /health

BUSINESS LOGIC

- Multi-tenancy
- RBAC Engine
- Billing Engine
- Discovery Eng.
- Security Eng.
- FinOps Engine
- ML Forecasting

SERVICES

- Cache Service
- Queue Service
- Notification
- Scheduler
- Export Service
- Report Gen.
- Audit Logger

INTEGRATIONS

- AWS SDK
- Azure SDK
- GCP SDK
- Jenkins API
- GitLab API
- GitHub API
- Zabbix API
- Docker API

DATA LAYER

MySQL 8.0
(Primary)

SQLAlchemy 2.0
Alembic

Redis
(Cache)

Sessions
API Cache

SQLite
(Dev/Test)

Fallback

File System

Logs, Reports