



SIMPLER, SMOOTHER,
SMARTER BUSINESS
IN THE DIGITAL DIMENSION

2019-01-31

API PLASTIC SURGERY

STEFAN PÅSSE

WHY PLASTIC SURGERY

- More than make-up

THE PATIENT

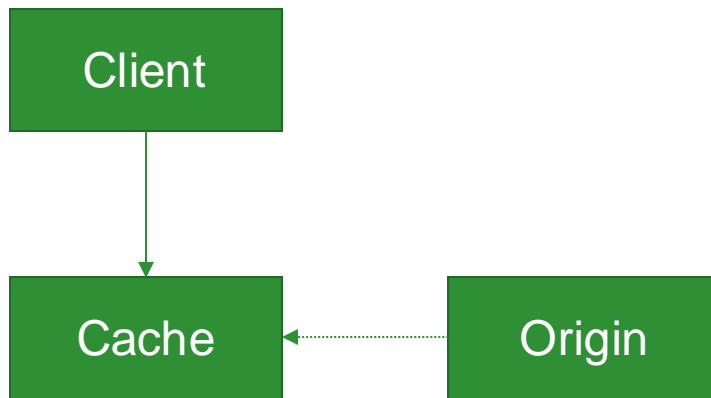
- Information Entity living in an on-premises system which can't scale neither for consumer or user
- Interface hard to understand
 - Connectivity aspects
 - Semantic aspects
- Limited Availability
- Low Throughput
- On-premises only

INSTRUMENTS AND MEDICINES

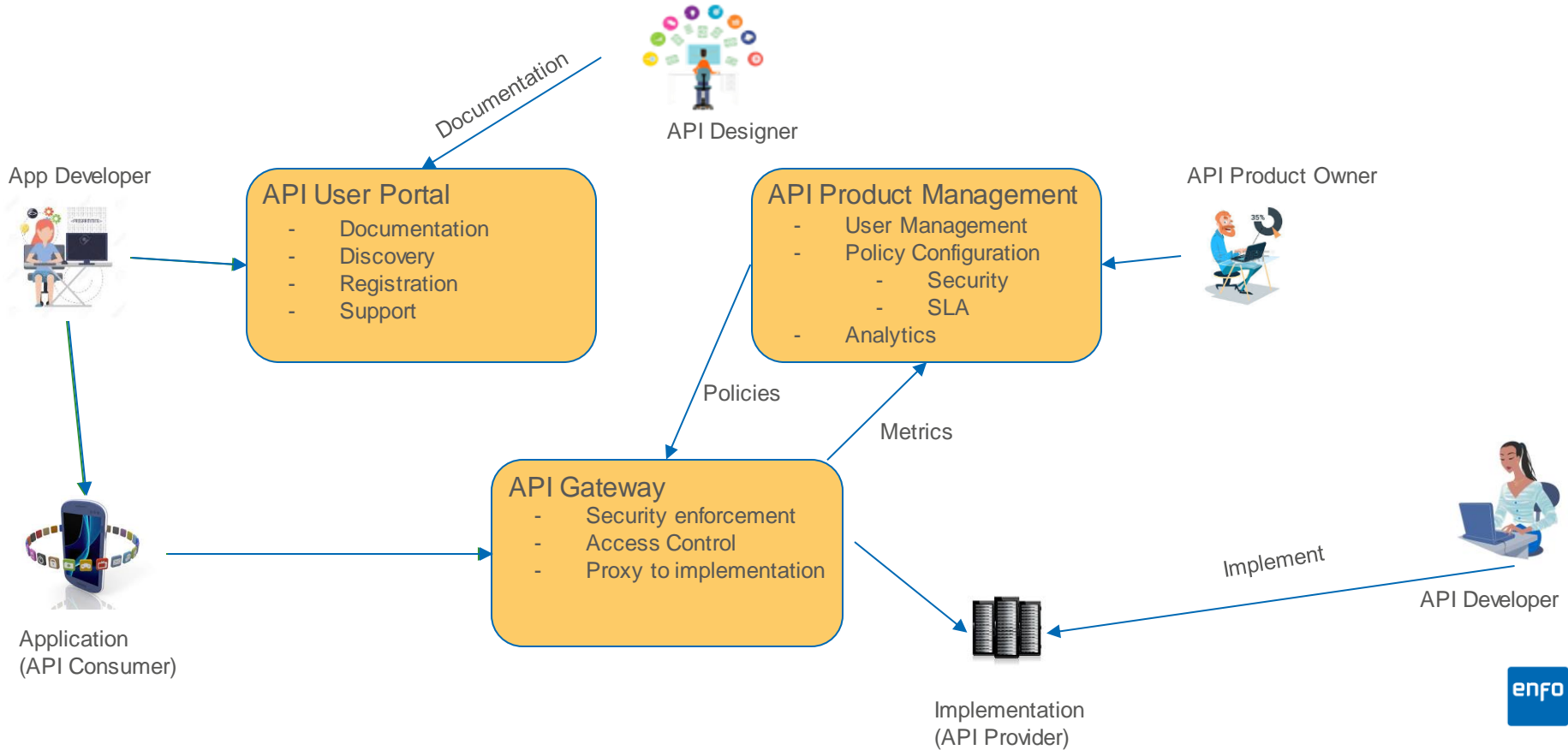
- Design Patterns
- API Management
- Cloud Platform

DESIGN PATTERNS

- Hidden Origin
- Gateway



API MANAGEMENT



CLOUD PLATFORM

- Container Platform / Serverless
- Non SQL Persistence Layer
- OIDC / Oauth2 Provider
- On-Premises Connectivity (VPN/Gateway)

THE TREATMENT

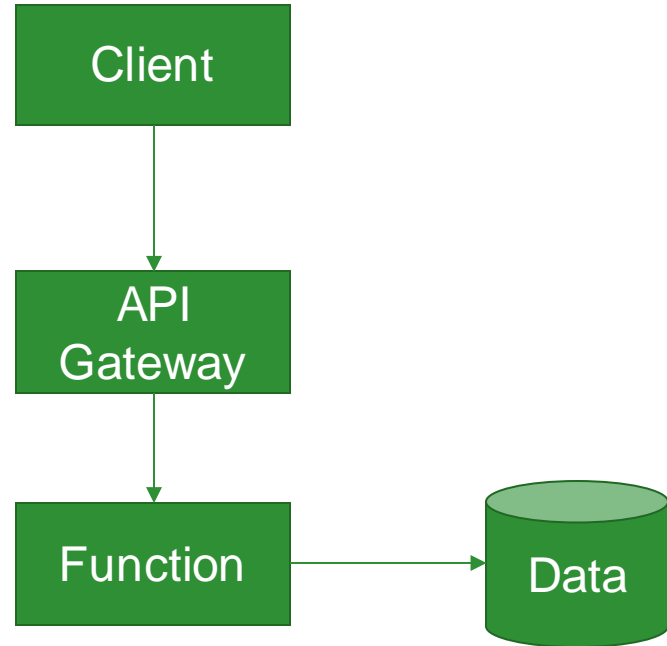
- API Design
- API Implementation
- Update Flow

API DESIGN

- Outside-In
- API Specification
- Examples
- Iterations in Mock mode

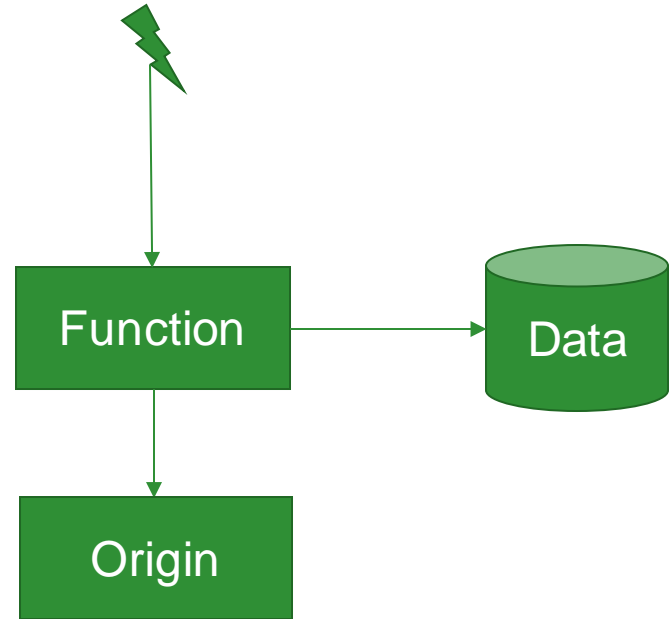
API IMPLEMENTATION

- Generate from API Spec
- Non-SQL Persistence Layer – Store in API Response Format (JSON)
- Additional metadata to support filtering etc
- Test data – test again



UPDATE FLOW

- Update Persistence Layer from Source
- Scheduled full update using existing interface



THE RESULT

- Easy to Consume API
- Scalable API Implementation



THANK YOU!

For more information please contact me personally or visit us in one of our social media channels.

Stefan Påsse

Integration Architect
stefan.passe@enfo.se

Base^{line}



www.enfogroup.com

