

BUILDING A BRIDGE BETWEEN
API OWNERS AND CONSUMERS

Taija Björklund 22.9.2015 MindTrek 2015

CENTURY OF DATA?



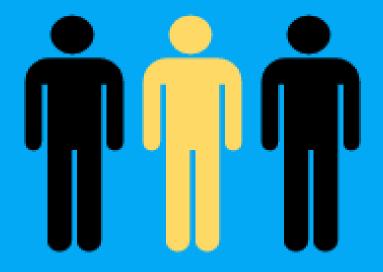
19th century



20th century

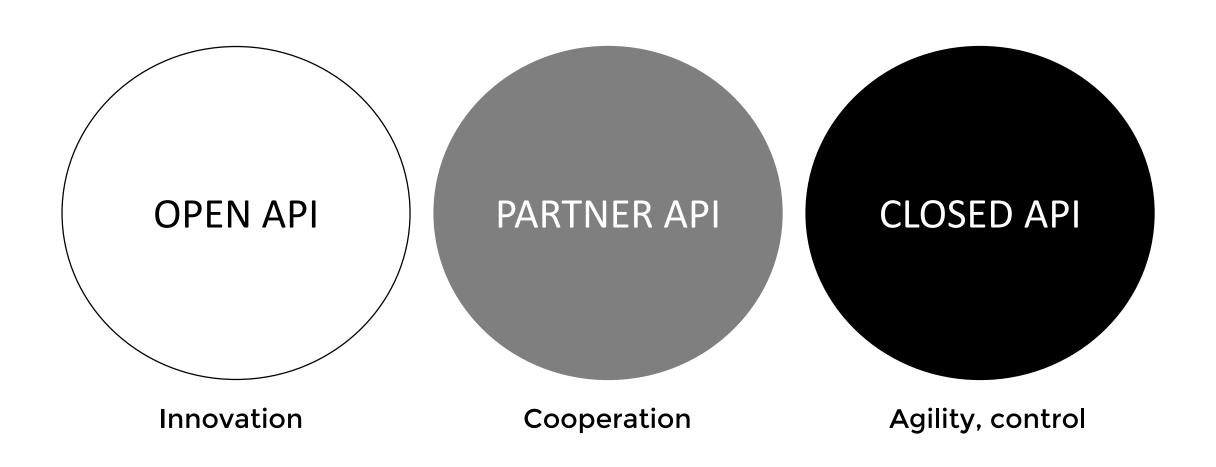
21st century





API - the digital middle man

API TYPES

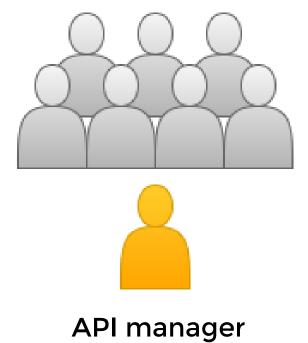




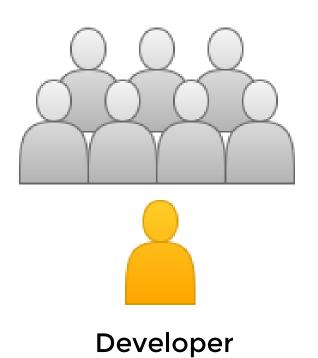
What is intriguing for us is to see what citizen-generated innovation can tell us about our data that we didn't know, what incredible insights are embedded in our data that we didn't know. What is the second, third, fourth, fifth use of this data?

USER ROLES

API OWNER / PROVIDER



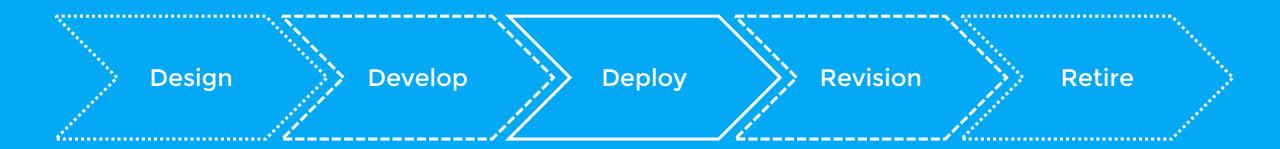
API CONSUMER



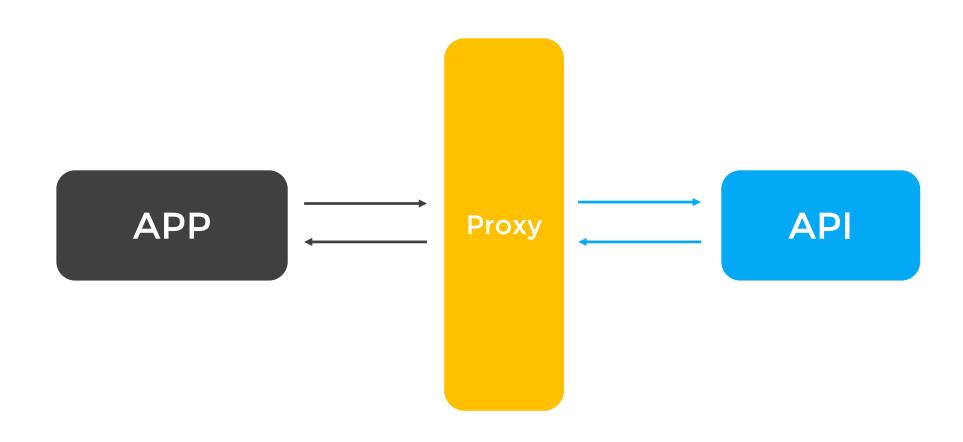
DEVELOPER EXPERIENCE (DEX)

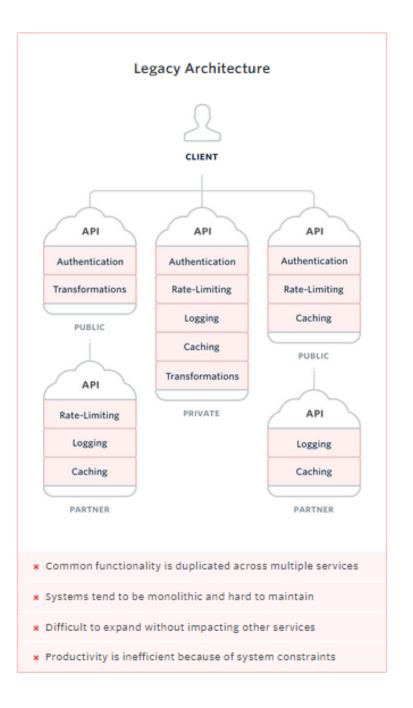
3.5.5.5.5 start consuming

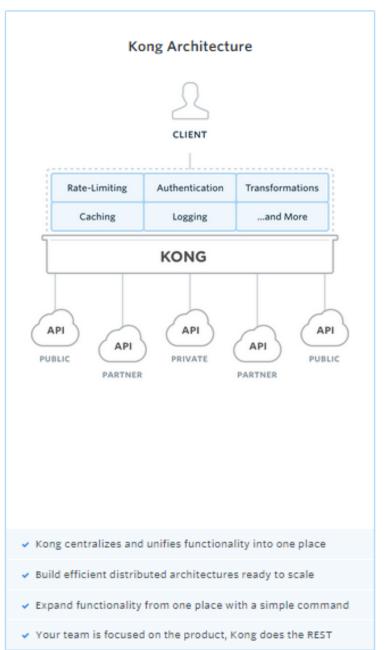
API LIFECYCLE



API PROXY MODEL







BENEFITS FOR THE API OWNER AND MANAGER



Existing platform



API user authentication



Visibility for your API



Simplicity for managing APIs



Visual insight into API usage (patterns)



Response caching



Rate limiting



Own infrastructure or ours



Can be whitelabeled / re-branded (roadmap)

BENEFITS FOR THE API CONSUMER



Visual insight into API key usage



Mixing API sources (roadmap)



Checking API status

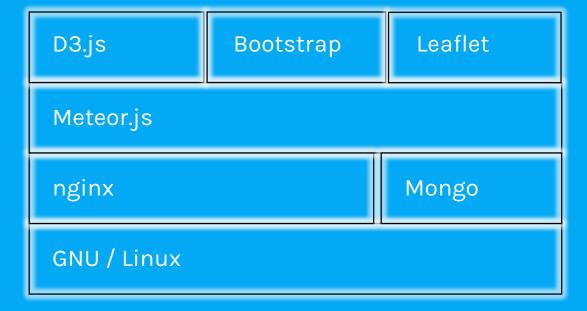


Rich documentation

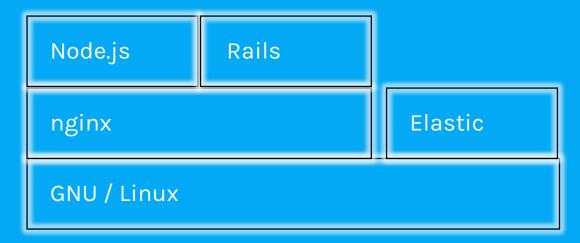


Producing sample code from documentation

TECHNOLOGIES IN APINF



API Umbrella



Swagger

Swagger UI

Swagger Editor

Menu

III Analytics

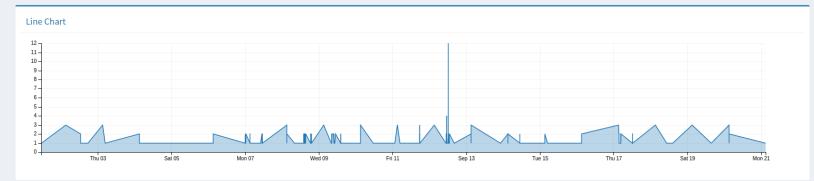
</>
API Backends

Catalogue

Documentation

Users

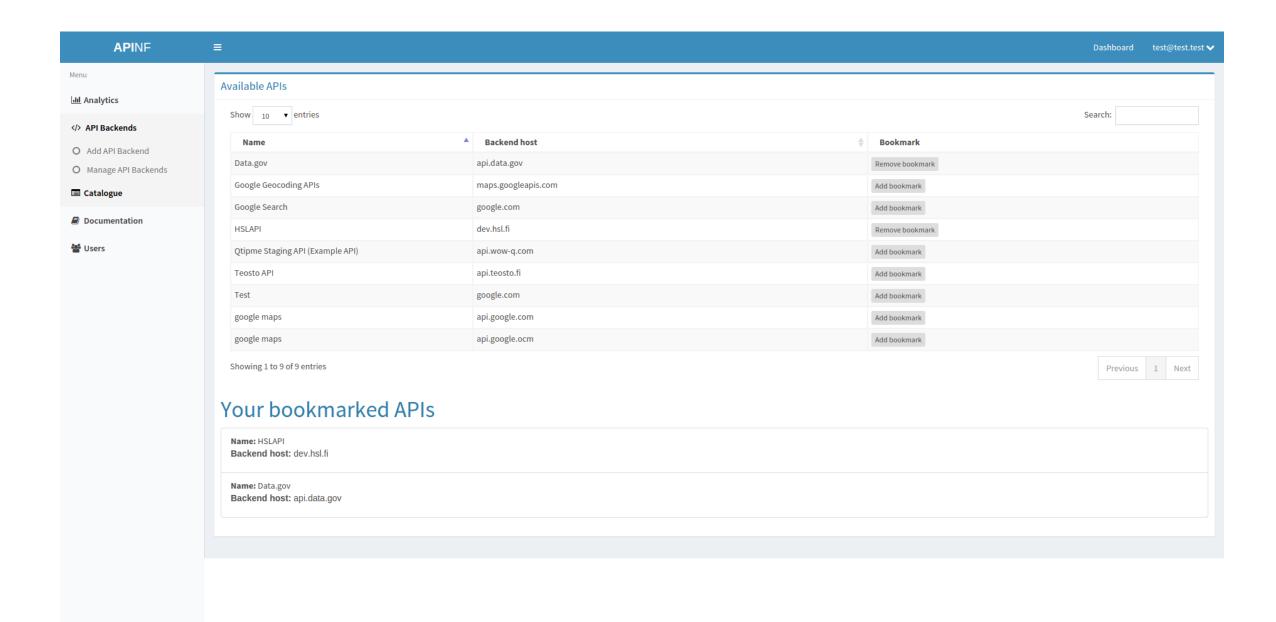






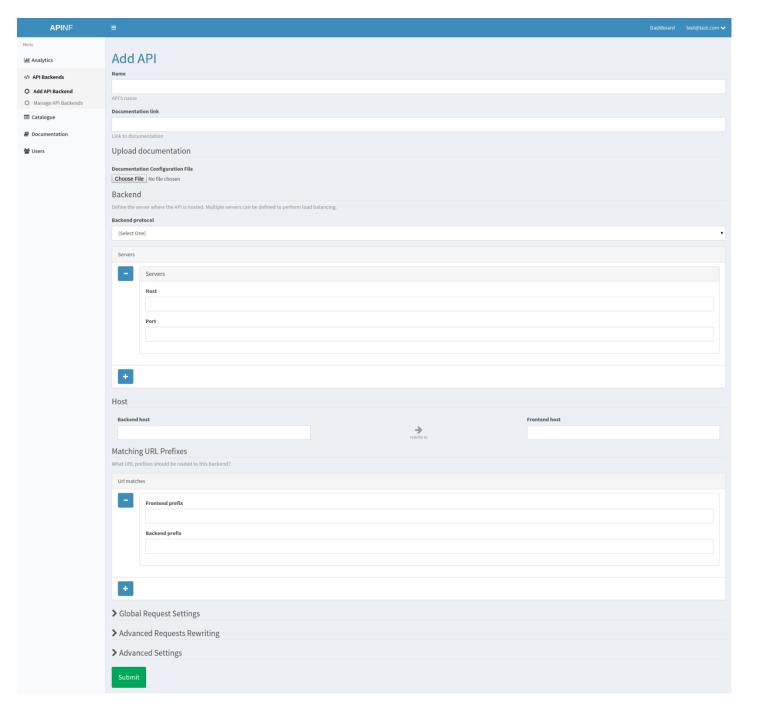
Show: 10 ▼			Search:	
Time stamp	Request country	Request IP	Request path	Response time
2015-09-20T23:52:04.694Z	FI	83.245.228.11	/api-umbrella/v1/users/	382
2015-09-01T08:03:15.267Z	FI	109.204.237.174	/api-umbrella/v1/users/	533
2015-09-20T00:00:45.380Z	FI	109.204.237.174	/api-umbrella/v1/apis/	94
2015-09-20T00:00:44.498Z	FI	109.204.237.174	/api-umbrella/v1/users/	168
2015-09-19T23:59:52.521Z	FI	109.204.237.176	/api-umbrella/v1/users/	128
2015-09-19T23:59:52.788Z	FI	109.204.237.176	/api-umbrella/v1/admins/	48
2015-09-19T23:59:52.924Z	FI	109.204.237.176	/api-umbrella/v1/apis/	46
2015-09-19T12:25:21.036Z	FI	109.204.237.176	/api-umbrella/v1/apis/	100
2015-09-19T12:25:20.260Z	FI	109.204.237.176	/api-umbrella/v1/users/	596
2015-09-19T00:00:46.349Z	FI	109.204.237.174	/api-umbrella/v1/users/	185
Showing 1 to 10 of 887 records			Pages: Previous 1 2	89 Nex

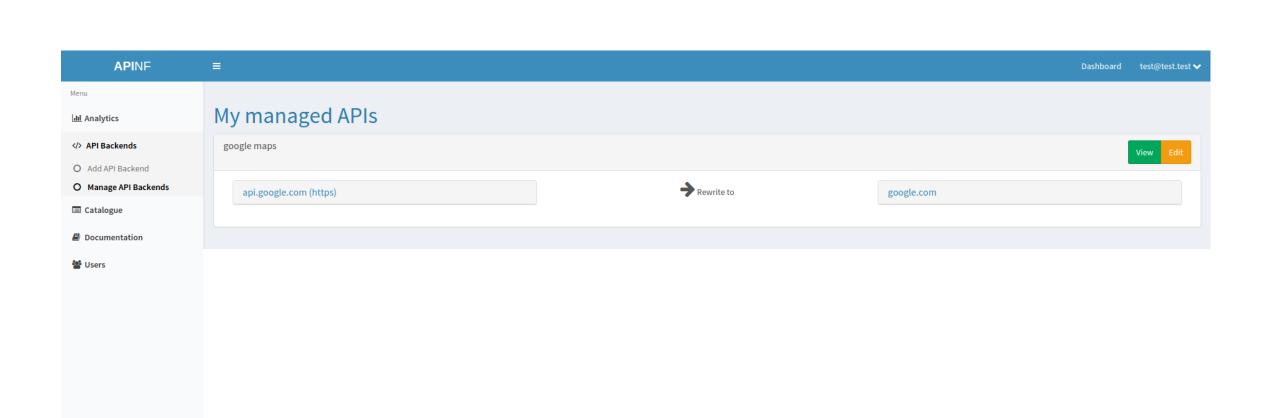


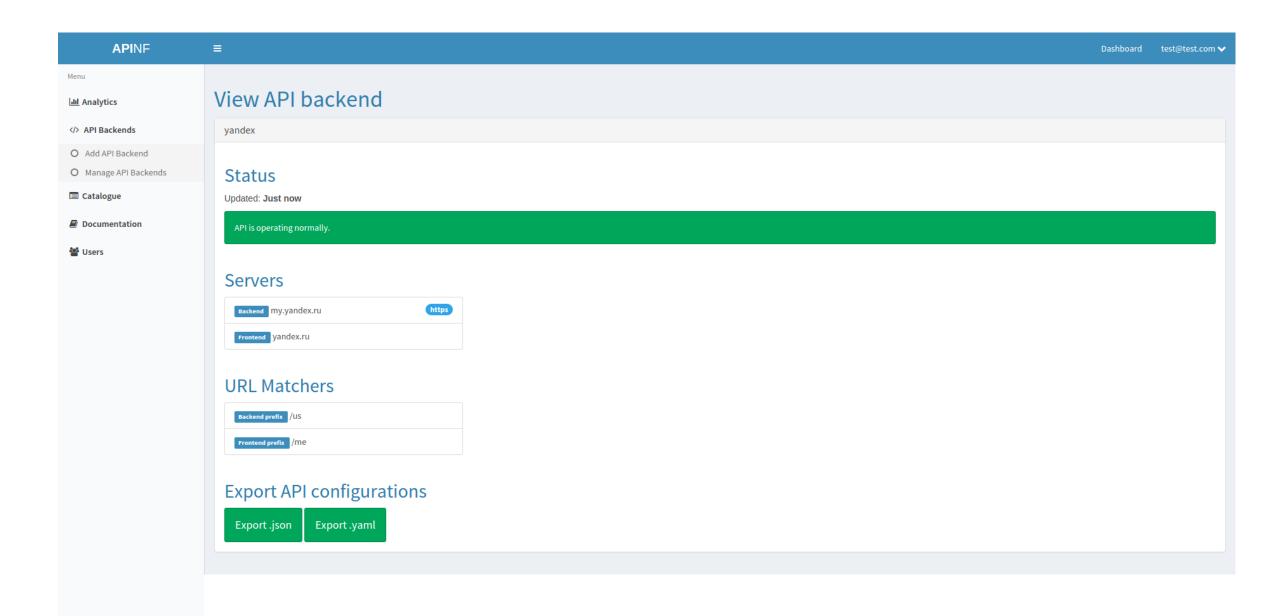


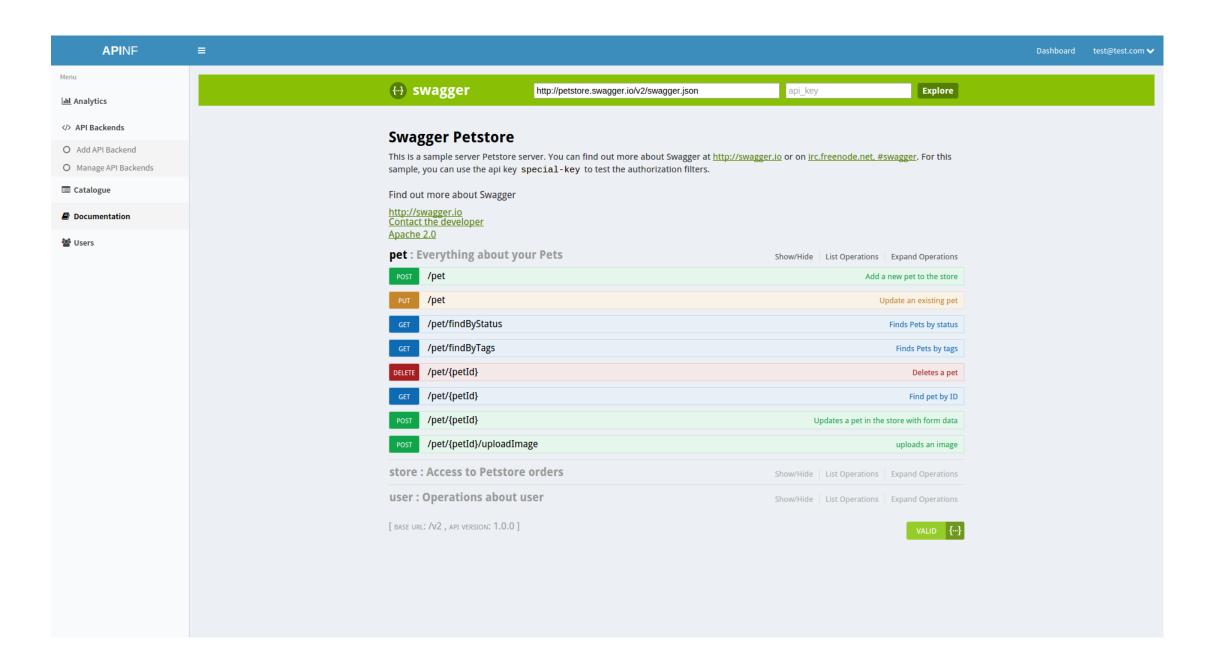
APINF Menu Import API Configuration III Analytics Preview: "_id": "rvM3QSPdQSqcmzLsG",
"name": "yandex",
"backend_protocol": "https",
"servers": [

{
""...", "...", "..." </>
API Backends Catalogue Documentation "backend_host": "my.yandex.ru",
"frontend_host": "yandex.ru",
"url_matches": [Users "frontend_prefix": "/me",
"backend_prefix": "/us"],
"pass_api_key_header": false,
"pass_api_key_query_param": false,
"balance_algorithm": "least_conn",
"managerIds': [
"v6Qqs9XMLESJKKz7L" Drop file to here











Illya: Designing giraffe



Damir: Coding turtle



Laura: Marketing monkey



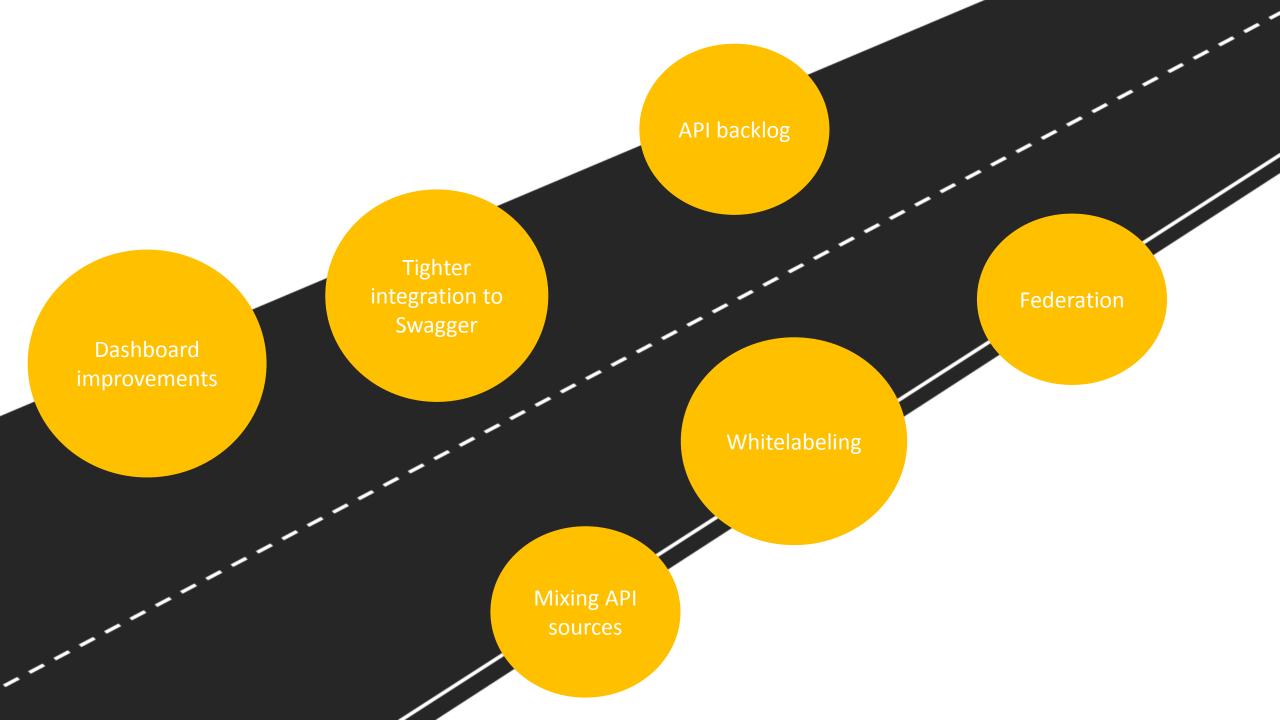
Juuso: DevOps chameleon



Taija: Tiger in charge



Brylie: Lord of open source



OPTIONS

Apinf as free tool

- Full API management tool
- Analytics
- Cloud or self-hosted
- Community supported

Apinf as service

- Hosting
- Initial setup and installation support
- Whitelabeling / re-branding
- Custom development
- Technical support
- Consultation and API training

MORE INFORMATION

```
https://apinf.io/
http://community.apinf.io/
https://www.facebook.com/APInf.io
https://twitter.com/APInf_io
https://github.com/apinf/api-umbrella-dashboard
https://github.com/apinf/docs
```

THANKS! Any questions?

Contact me at taija.bjorklund@apinf.io