BUILDING SERVICES FOR RUNTIME PLUG-IN MANAGEMENT

An API management case study

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Part 1

THE GOAL
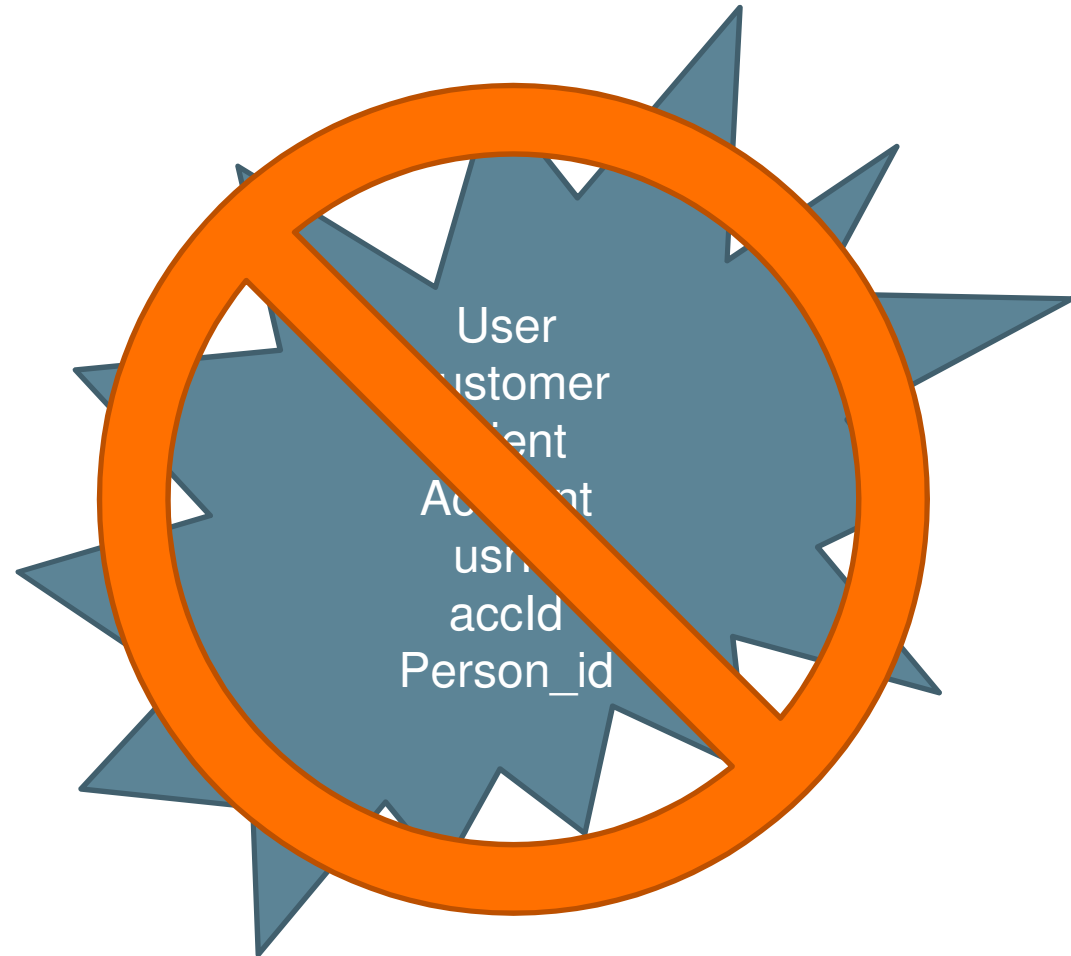
PRODUCT QUALITY

- Consistency
- Security
- Documentation
- High maintainability
- Auditing/Logging

User
customer
client
Account
usr
accId
Person_id

PRODUCT QUALITY

- Consistency

- Security

- Documentation

- High maintainability

- Auditing/Logging

GET https://api.com/user/57/details

„Reinventing the wheel"

Plain old bugs

Forgetting to implement security

PRODUCT QUALITY

- Consistency
- Security
- Documentation
- High maintainability
- Auditing/Logging

Up to date
Accessible
Easy to understand

PRODUCT QUALITY

- Consistency
- Security
- Documentation
- High maintainability
- Auditing/Logging

Easy upgrade
Quick fixes
Flexibility

PRODUCT QUALITY

- Consistency

- Security

- Documentation

- High maintainability

- Auditing / Logging

Easy troubleshooting
Security improvement
Analytics / statistics

FAST DEVELOPMENT

- Lower time to market (TTM)

- More time for development of other projects
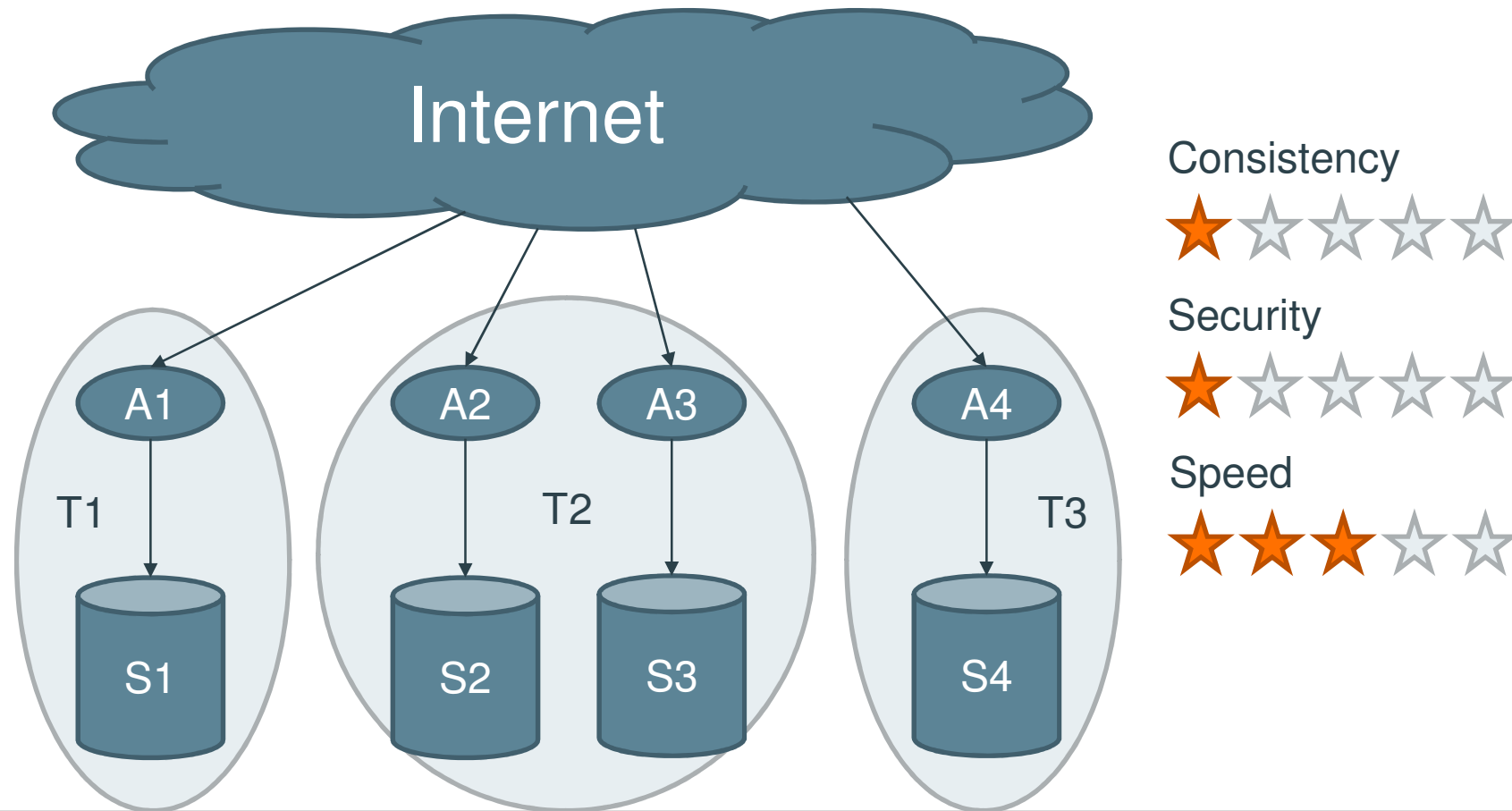
- Lower investmnet

- Faster bugfix response

Part 2

THE PATH

ATTEMPT #1 – INDEPENDENT API DEV.

- Each team develops it's own API

Consistency

Security

Speed

ATTEMPT #2 – UNIVERSAL API

- Single team develops one big universal API for all backends