API Management

A new Model for Delivering Applications in a Multi-Device World

Dr. Reto Kohlas, Principal Consultant

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driven by technology

Digital Business (App economy)

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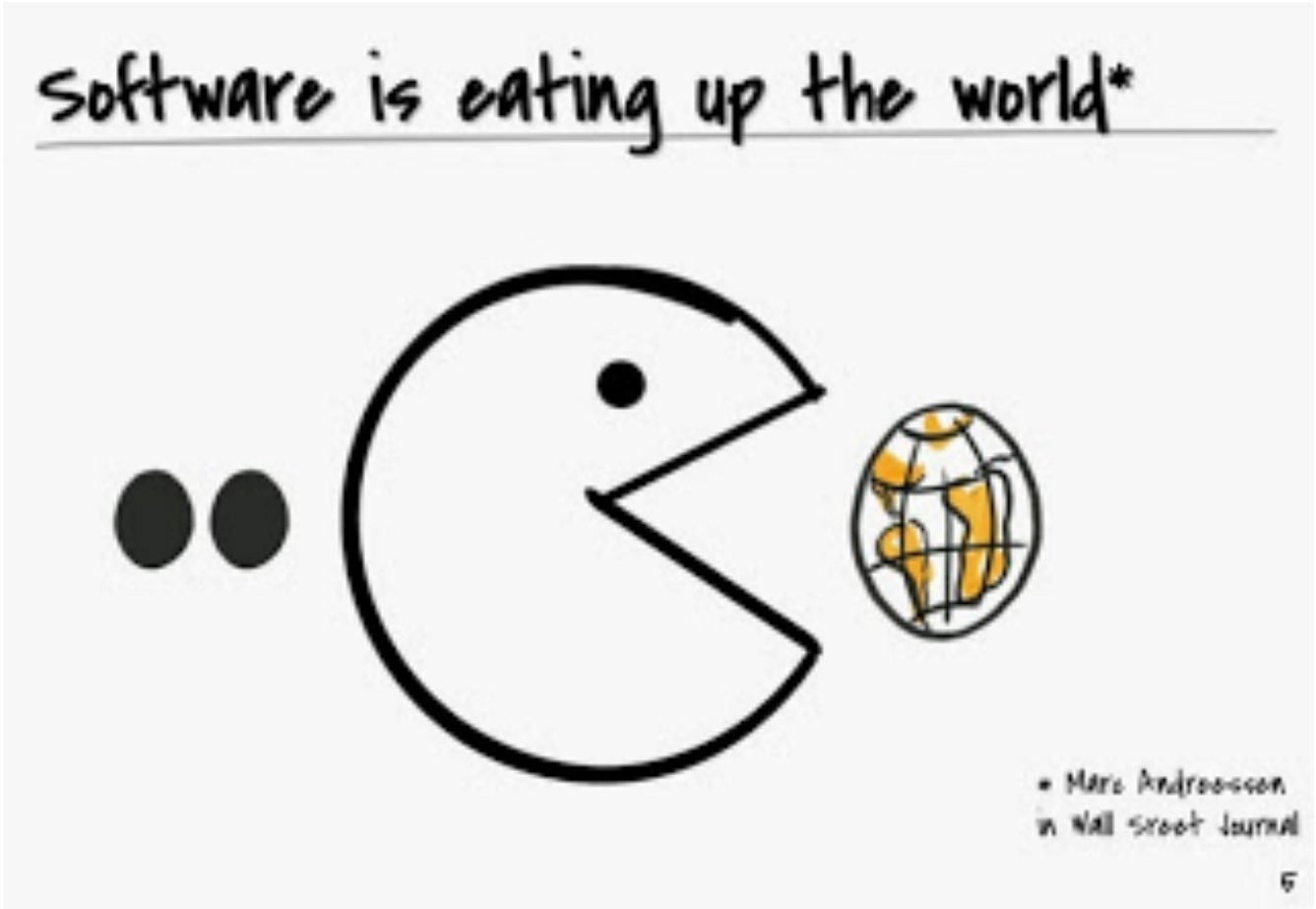
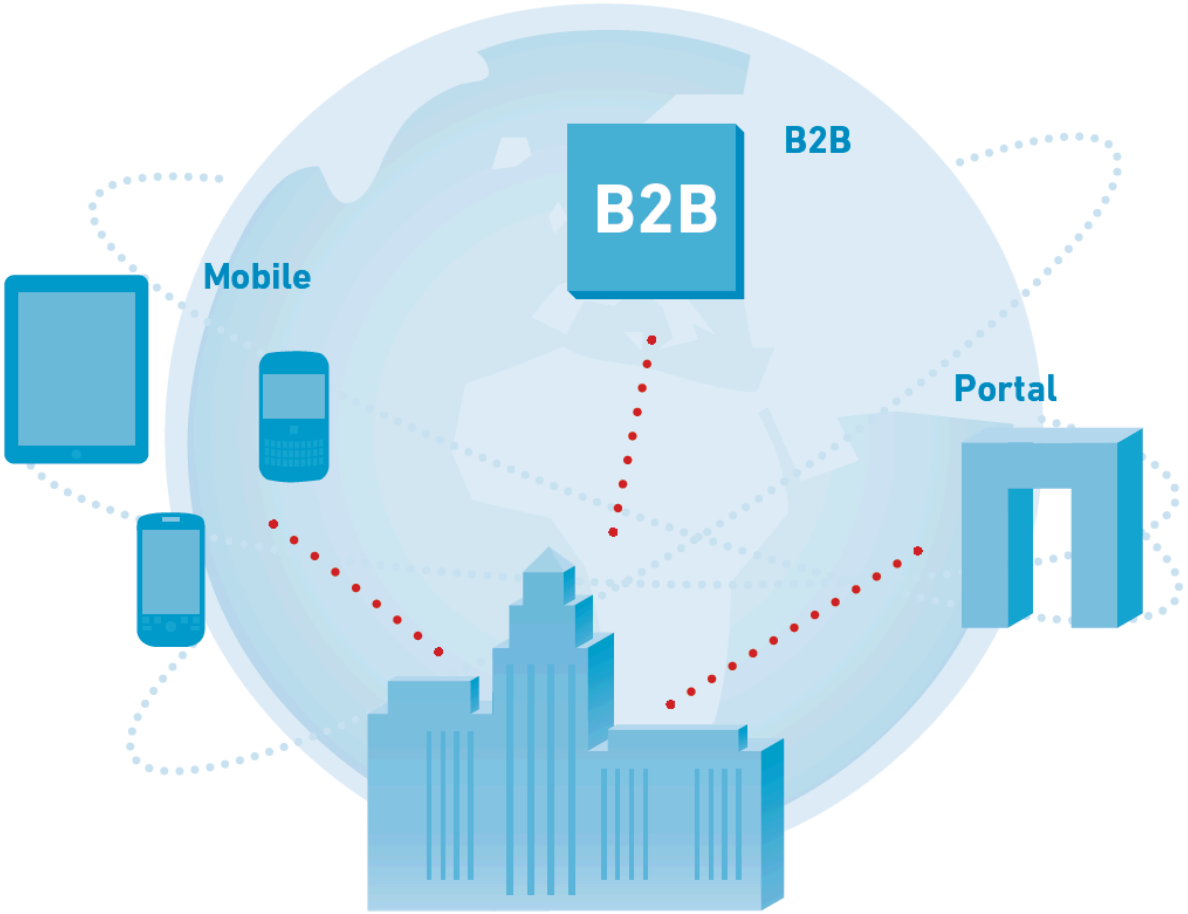


http://www.22michaels.com/2014/04/software-is-eating-world.html

A Multi-Channel World

(be where your customers are)



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Customer Experience & Innovation
The developers are the new kings!

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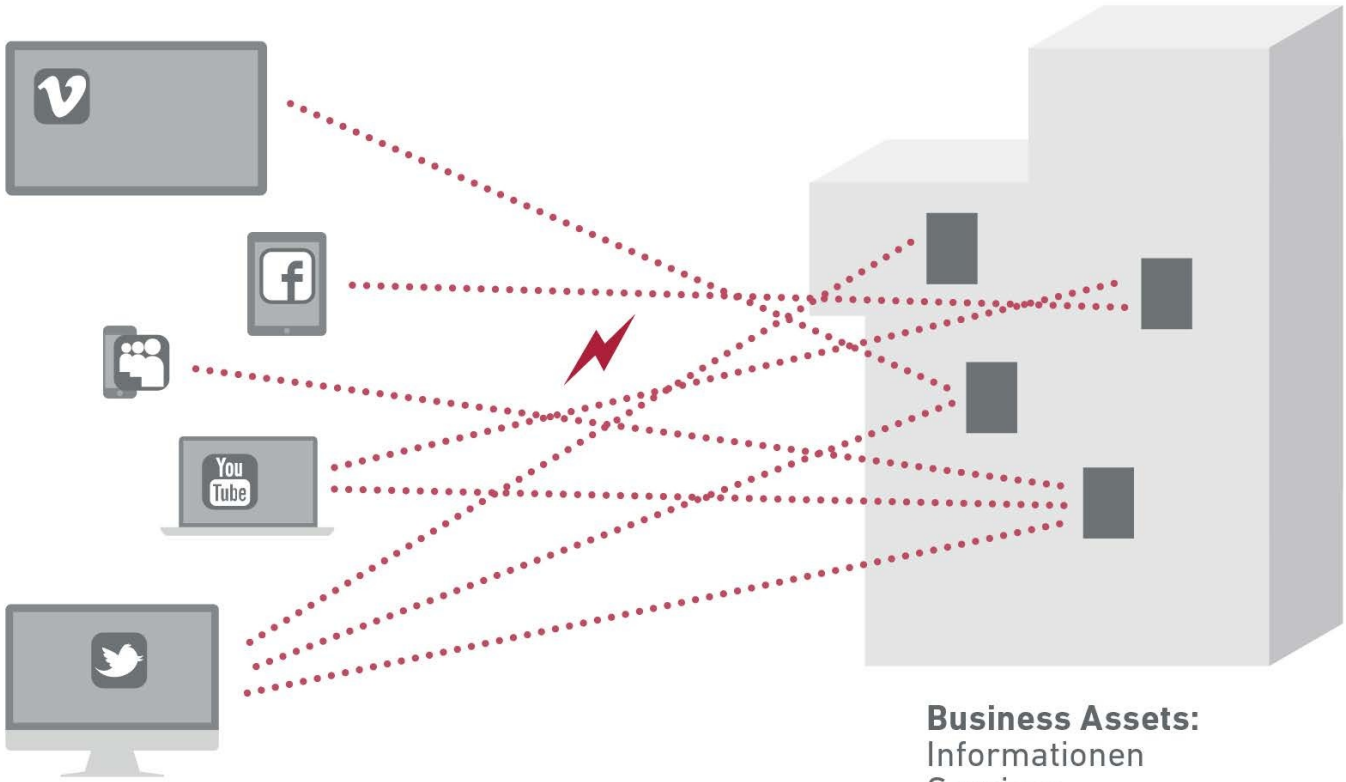
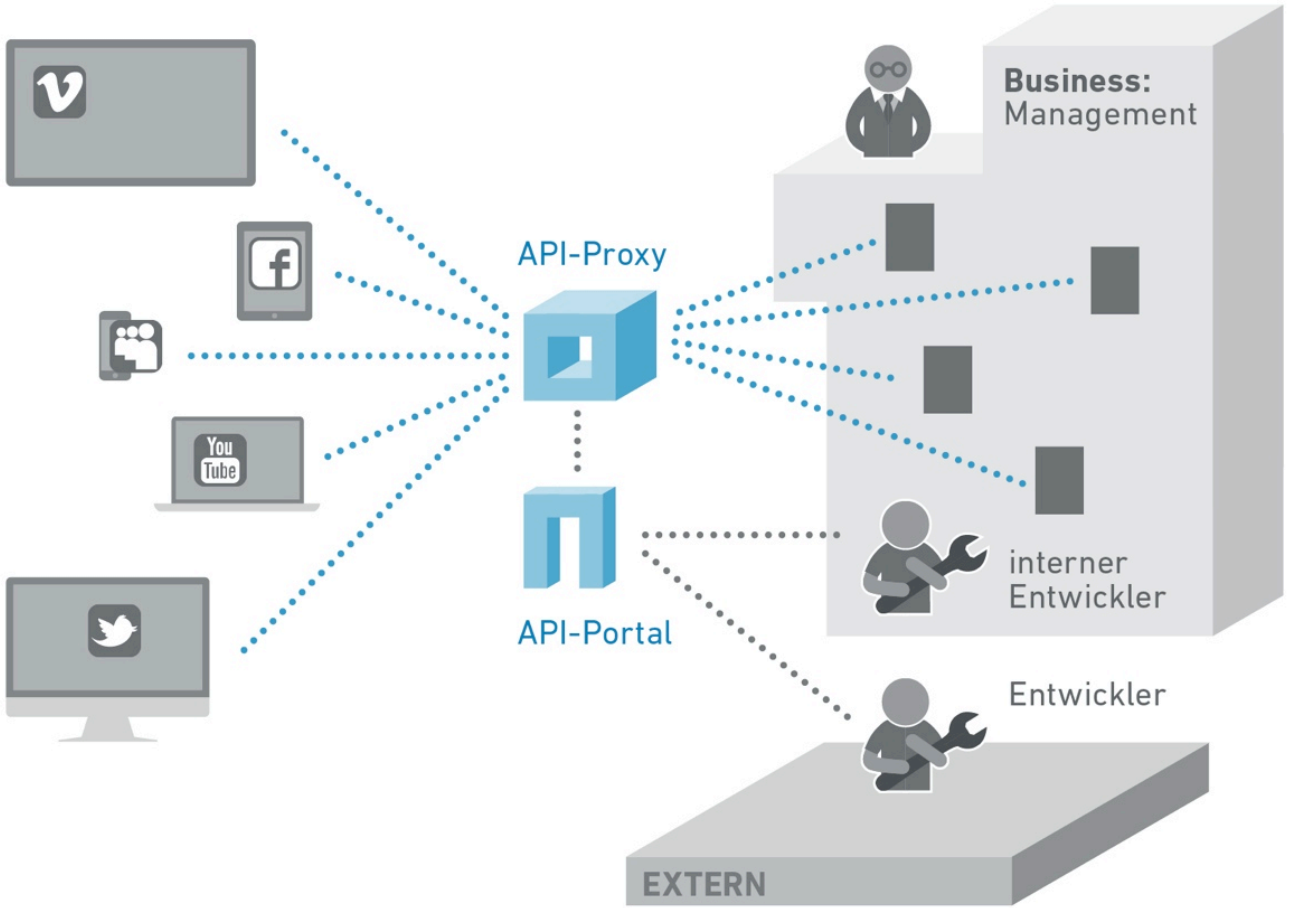
Security and Governance



API value chain

API Management Architecture



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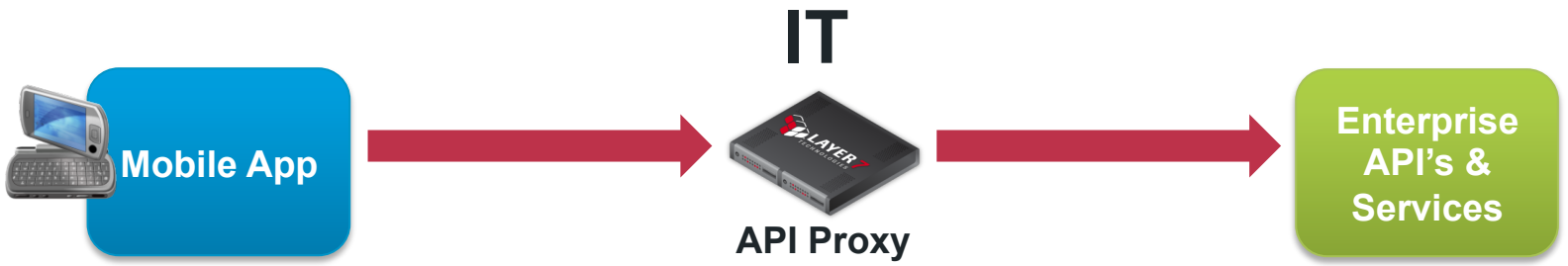
API-Proxy: Integration



Security	• Threat Protection API Backend • Authentication & Authorization
Integration	• Protocol Mediation
Enforcement	• Quotas, API Plans

API Portal: API Management

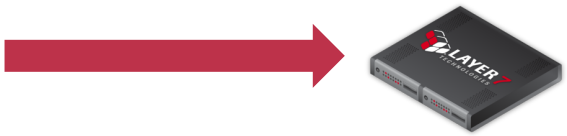
Developer

- Developer On-boarding
- Developer Support: Sandbox, Docu, Forum
- Analytics

API Owner

- API Governance
- Analytics

Developer



API Portal

Business

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openbankproject.com

Bank as a platform.

Transparency as an asset.

The Open Bank Project is an open source API and App store for banks that empowers financial institutions to securely and rapidly enhance their digital offerings using an ecosystem of 3rd party applications and services.

email@example.com Keep me informed

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Telecommunication: Fighting OTT

SOA reloaded?

	SOA	API Management
Scope	Enterprise integration	Mobile, Social, Cloud
Developers	Mostly internal	Internal and external
Governance	Registry and Repository	API Portal
Interface description	WSDL, WS-Policy	WADL (Swagger, RAML...)
Data representation	SOAP (XML)	JSON, XML
Security	WS-Security	OAuth

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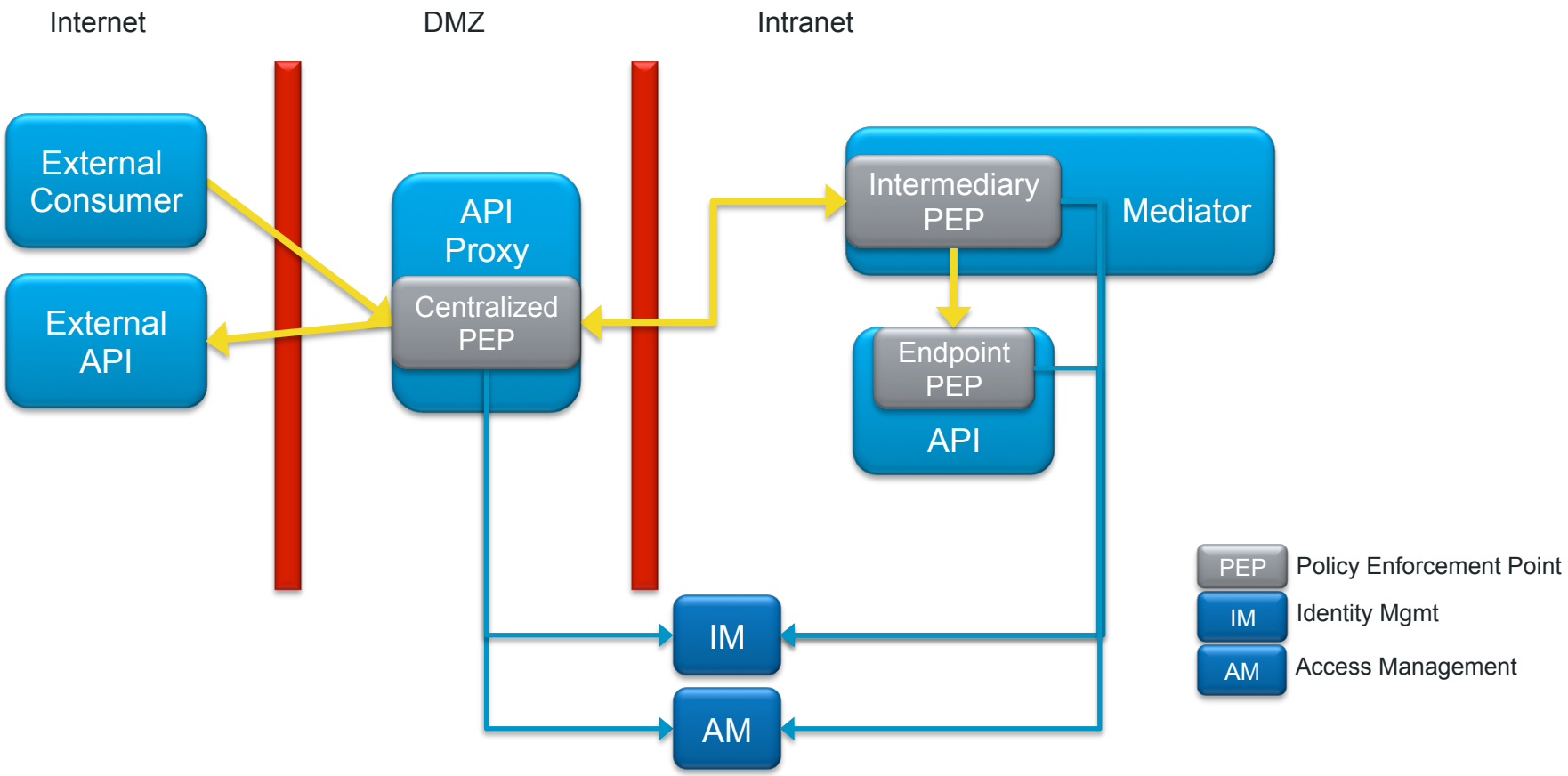
Reference Architecture



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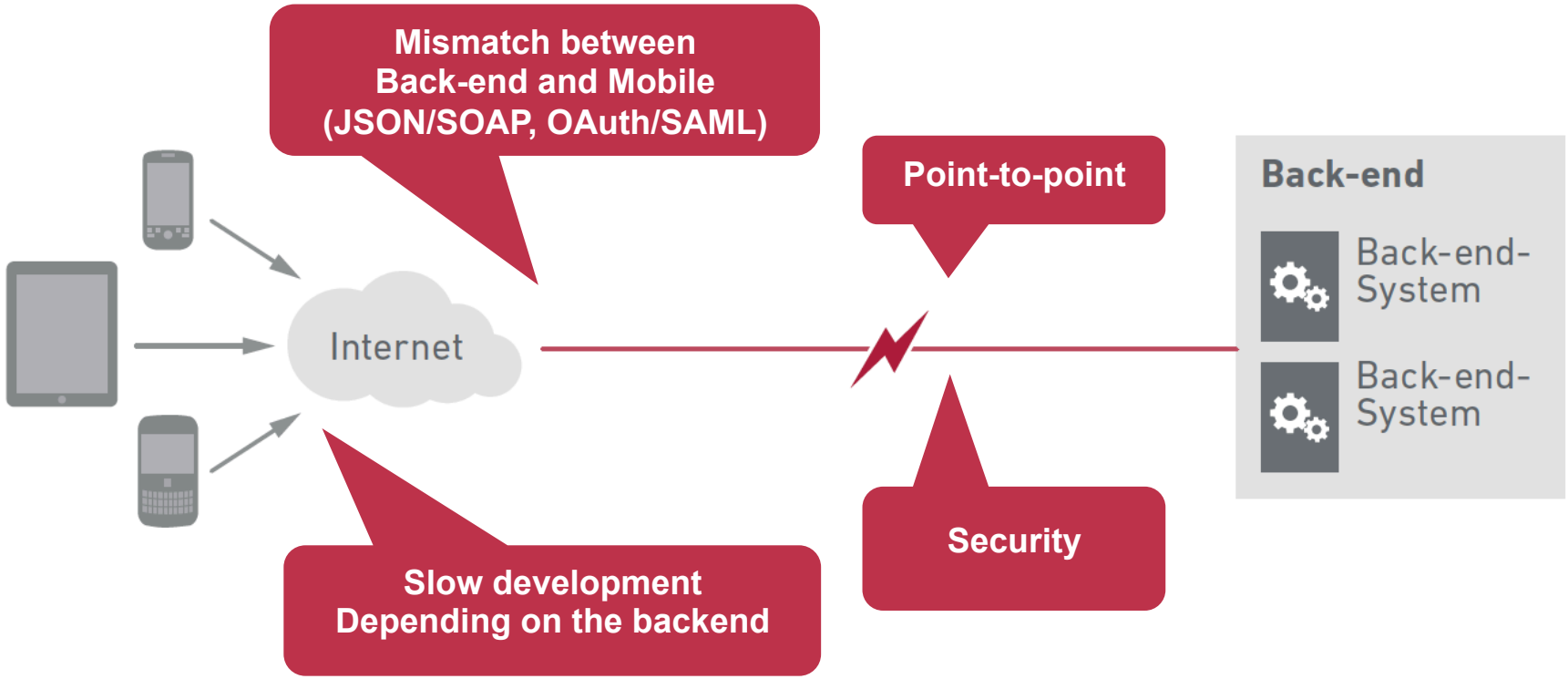
Example Mobile Integration



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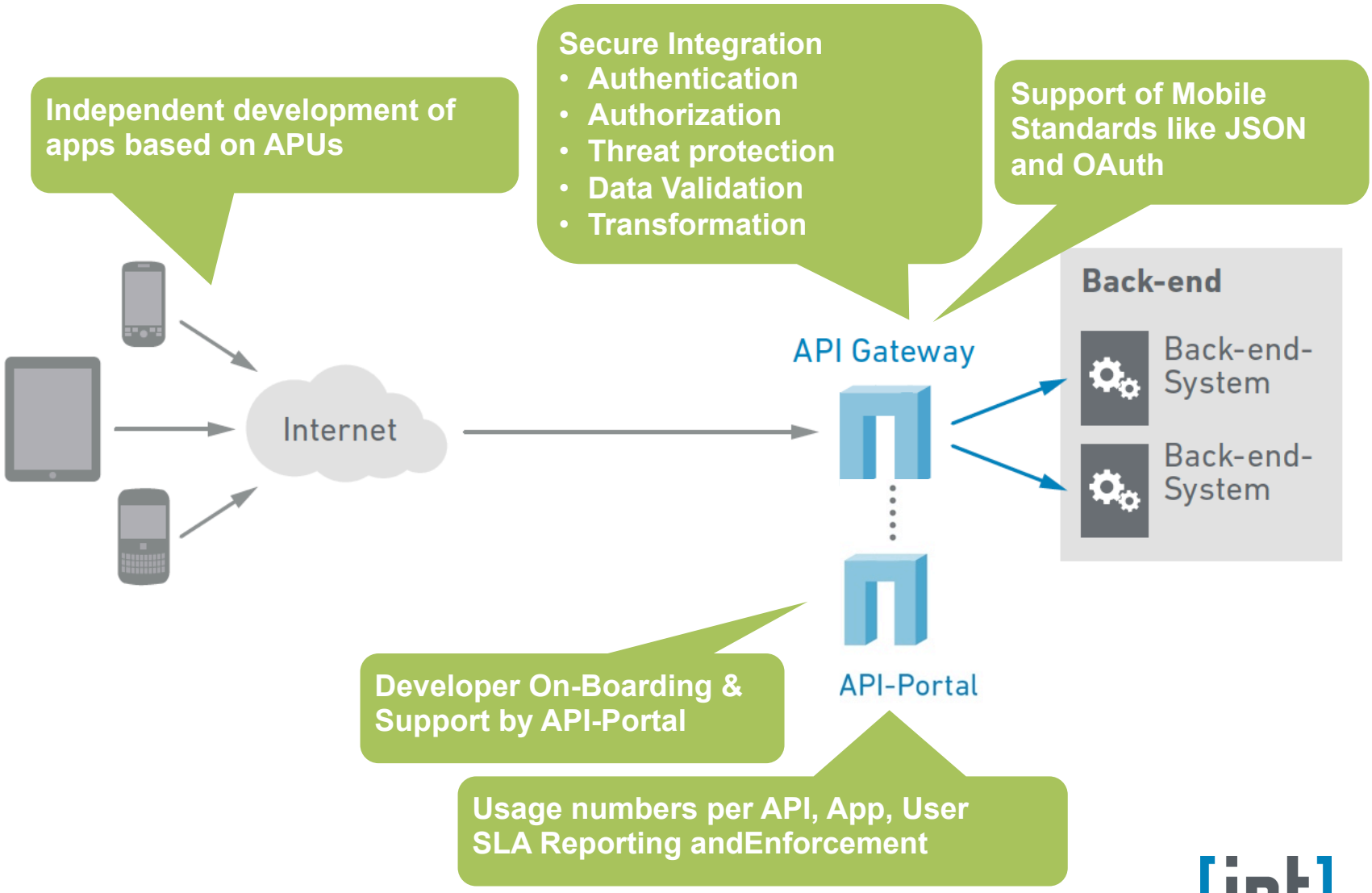
Example Mobile Integration



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Running an API Program

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Not having an API today is like not having a Website in the 90s