Kako ponujati storitve javne uprave z uporabo tehnologije API

Sašo Popović
What is a Business API?

- A Business API is a **public persona** for an enterprise; exposing defined assets, data or services for public consumption
- A Business API is **simple** for app developers to use, access and understand
- A Business API can be easily invoked

What Value Does a Business API Provide?

- Extends the enterprise and **opens new markets** by allowing external app developers to easily leverage, publicize and/or aggregate a company’s assets for broad-based consumption.

What “assets, data or services” are exposed via a Business API?:

- Product catalogs
- Store listings
- Order status
- Inventory
- Social interaction
Veriga API ekonomije

Existing Enterprise IT Investments

Exposed as APIs

Self Service Consumed by Developers

To Develop Innovative Apps


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Primer mobilne aplikacije

IBM APIs
- Watson
- Cloud provisioning
- Xtify

Insurance APIs
- Life
- Home
- Auto
- Claims

Bank APIs
- Mortgage
- Online payment
- Loans
- Account Query
- Calculators

Auto Dealer APIs
- Price
- Availability
- Location
- Configuration

Map Provider APIs
- Address
- Locator
- Weather
- Traffic

Mobile App Assemblers
Developers & Partners

New Customers

PROVIDERS

CONSUMERS
**Klasifikacija API-jev**

<table>
<thead>
<tr>
<th>Public, Open-To-All APIs</th>
<th>Protected, Open-To-Partner APIs</th>
<th>Private, Internal APIs</th>
</tr>
</thead>
<tbody>
<tr>
<td>• APIs are open to any developer who wants to sign up</td>
<td>• APIs are open to select business partners</td>
<td>• APIs are exposed only to existing developers within the enterprise</td>
</tr>
<tr>
<td>• Apps are more targeted towards end consumers</td>
<td>• Apps could be targeted at end consumers or business users</td>
<td>• Apps are usually targeted at employees of the enterprise</td>
</tr>
<tr>
<td>• The business driver is to engage customers through external developers</td>
<td>• The business driver is usually different, based on the data and type of business of the enterprise</td>
<td>• The business driver is more around productivity of employees</td>
</tr>
</tbody>
</table>
Strategija in izzivi

1. Speed application development
   Via self service library of reusable APIs

2. Securely expose systems of record
   Apps and data to Mobile, IoT, & hybrid cloud apps

3. Publish APIs to expand reach
   Tap into developer & partner ecosystems

4. Enable new business
   Monetize existing and new data & algorithms
Referenčni model

**Capabilities for API Consumers**
- Composition
- Industry Accelerators
- Mobile Accelerators

**Marketplaces**
- Social Feedback and Communities
- Business Support Systems

**Self-Service Portal**: Registration • Documentation • Sandbox

**Capabilities for API Providers**
- Security and Platform Man.
- Analytics and Metering
- API & Service Design & Integration
- API & Service DevOps

**Services**: Data • Processes • Applications • Cloud & 3rd party integration

**Channels**: Smartphones • Tablets • Desktops • Cars • TVs • Others

**Produce**
- Internal Developers
- Partner Developers
- External Developers

**Consume**
- Produce
- Promote
- Consume
IBM API Connect

- Rapid model-driven API creation
- Datasource to API mapping automation
- Standards-based visual API spec creation in Swagger 2.0
- Local API creation and testing
- On-cloud & on-premises staging of APIs, Plans & Products

- Policy enforcement
- Enterprise security
- Quota management & rate limiting
- Content-based routing
- Response caching, load-balancing and offload processing
- Message format & transport protocol mediation

- Node.js & Java Microservice runtime
- Node.js & Java integrated runtime management
- Enterprise HA & scaling
- On-cloud & on-premises staging of Microservice applications

- API discovery
- API, Plan & Product policy creation
- API, Plan & Product lifecycle mgmt.
- Self-service, customizable, developer portal
- Advanced Analytics
- Subscription & community mgmt.
Hvala za vašo pozornost!

Vprašanja?

Pripombe?

Predlogi?