INTEGRATION SUMMIT 2017
THE FUTURE OF INTEGRATION
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- Enterprise Architect with long experience managing IT at large corporations
- Developed iBiz Solutions Integration Framework
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Solutions Architect at iBiz Solutions AB
- Deep knowledge of cloud and hybrid integration solutions
- Prolific comfy man
Effektiv masterdata-hantering är A och O i en välplanerad digitaliseringsstrategi – Hur går man tillväga?
In this session we cover

• How to align the API-strategy to existing processes
  • Build from a solid base

• How to map APIs to your systemlandscape
  • Systems / masterdata / domains

• What do I / Should I publish, and how to do it
  • How to ensure that both developers, end-users and machines enjoys your API-environments
What is an API?
What is an API?
What is an API?
What is an API?
Why API?
What we can use as API-base

Organization
Who?

Process
Why?

Information
What?

Stability
Master data map

**External Collaborations**
- Metering data
- Statkraft Web

**Maximo**
- Work order
- Inventory
- Purchase Order
- Agreement
- GL Account
- Service

**SAP**
- Invoice
- Inventory
- Supplier
- Purchase Order
- GL Account
- Service
- Profit Center
- Customer
- Employee

**CRM**
- Prospect
- Lead
- Customer

**HR**
- Employee
- Salary

**Master data**
- Read only data

We are Integration™
Problem space

- Orders
- Invoicing
- Shipping
- Inventory
- Products
- B2b e-commerce

We are Integration™
API Story

Customer

Order API

Shipping API

Invoicing API

Create Order

Get Shipping options

Set Shipping options

Complete Order

Get Invoice
Api Story

CREATE https://integrationsummit2017.azure-api.net/b2b/orders/v1/

```json
{
  "order": {
    "contact": {
      "name": "Sven Svensson",
      "phone": "0701111111",
      "email": "sven.svensson@gmail.com"
    },
    "billingAddress": {
      "street": "gatan 15",
      "postNumber": "11111",
      "city": "Karlstad",
      "country": "SE"
    },
    "shippingAddress": {
      "street": "gatan 15",
      "postNumber": "11111",
      "city": "Karlstad",
      "country": "SE"
    },
    "orderNumber": "200002839"
  },
  "orderLines": [
    {
      "itemNumber": "287781",
      "quantity": "4",
      "unit": "STK"
    },
    {
      "itemNumber": "1111",
      "quantity": "2",
      "unit": "STK"
    }
  ]
}
```

Response status
201 Created

Response content
Location:
https://integrationsummit2017/b2b/orders/123
GET https://integrationsummit2017.azure-api.net/b2b/orders/v1/123

```json
{
  "order": {
    "_links": {
      "self": {
        "href": "/orders/123"
      },
      "invoicing": {"href": "/invoicing/order/123"},
      "shipping": {"href": "/shipping/order/123"}
    },
    "status": "created",
    "contact": {
      "name": "Sven Svensson",
      "phone": "0701111111",
      "email": "sven.svensson@gmail.com"
    },
    "billingAddress": {
      "street": "gatan 15",
      "postNumber": "11111",
      "city": "Karlstad",
      "country": "SE"
    },
    "shippingAddress": {
      "street": "gatan 15",
      "postNumber": "11111",
      "city": "Karlstad",
      "country": "SE"
    },
    "orderNumber": "2000002839"
  },
  "orderLines": [
    {"itemNumber": "087781", "quantity": "4", "unit": "STK"},
    {"itemNumber": "1111", "quantity": "2", "unit": "STK"}
  ]
}```
Your first API, Pick one that matters!

- **Technical Success**
  - **Convincing**
  - **Technical PoC**
  - **Proof of Technology**
  - **It’s a start**
  - **”Who cares?”**

- **Leading Edge**
  - **High Risk**
  - **High Reward**
  - **Proves the vision**
  - **Visionary**

Figure: Gartner AADI 2017
Moving forward...

• Involve master data, information architects and existing assets when you enter the API-world.

• Design you APIs with Solution / Problem space in mind. It will reduce the need for refactoring while your API-landscape grows.

• Use an API-publishing platform, it takes care of most non-functional requirements and the API-publishing process

• Pick an API that matters to your business, and that you know for sure, that you can implement
Questions?