



# EA CONNECT DAYS 2019

Europe's Leading Enterprise Architecture Conference



# Live Coding Session – Integration API

Niklas Henrich, Director Engineering

Werner Krahe, Director Product Management

November 26th 2019

## Lean data integration

Introduction to the Integration API

Live coding session: How to load data into LeanIX

# Introduction to the Integration API

- ✓ Easy to use REST API
- ✓ Processing rules configured once and behind the API
- ✓ Generic JSON abstracts from LeanIX data model
- ✓ Build and maintain lean connectors for external data



**Available in all  
Editions**



**No extra charge**



**Available now**

# Introduction to the Integration API

## Easy access to API

- No configuration needed, just send the raw data
- **One “start” call process all incoming or outgoing information**

## Reliable, repeatable, auditable

- Processing is always executed as configured behind the API
- **No further tracking of potential changes of external API calls required**

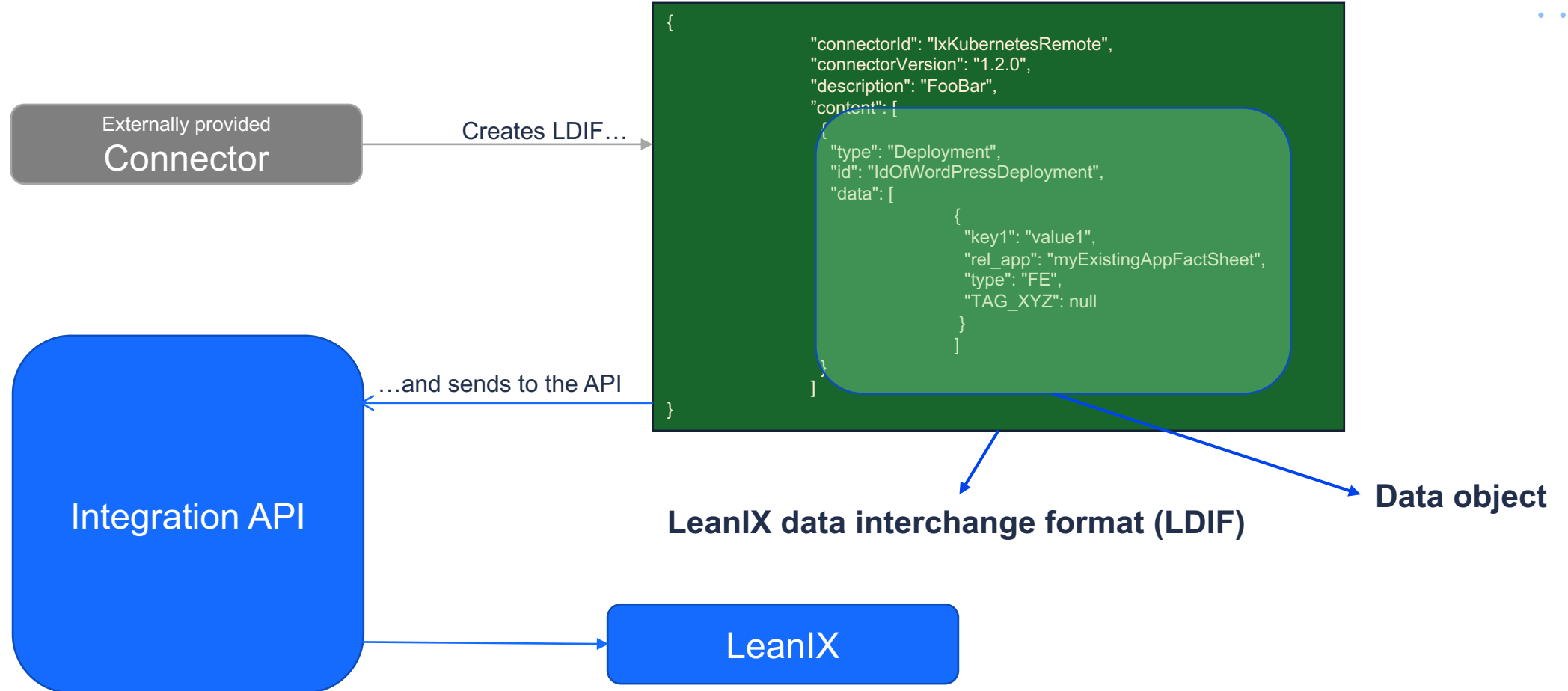
## Powerful mapping and aggregation features

- Keep it simple for simple use cases
- Handle complex manipulations of incoming or outgoing data
- **Powerful expression-based processing**

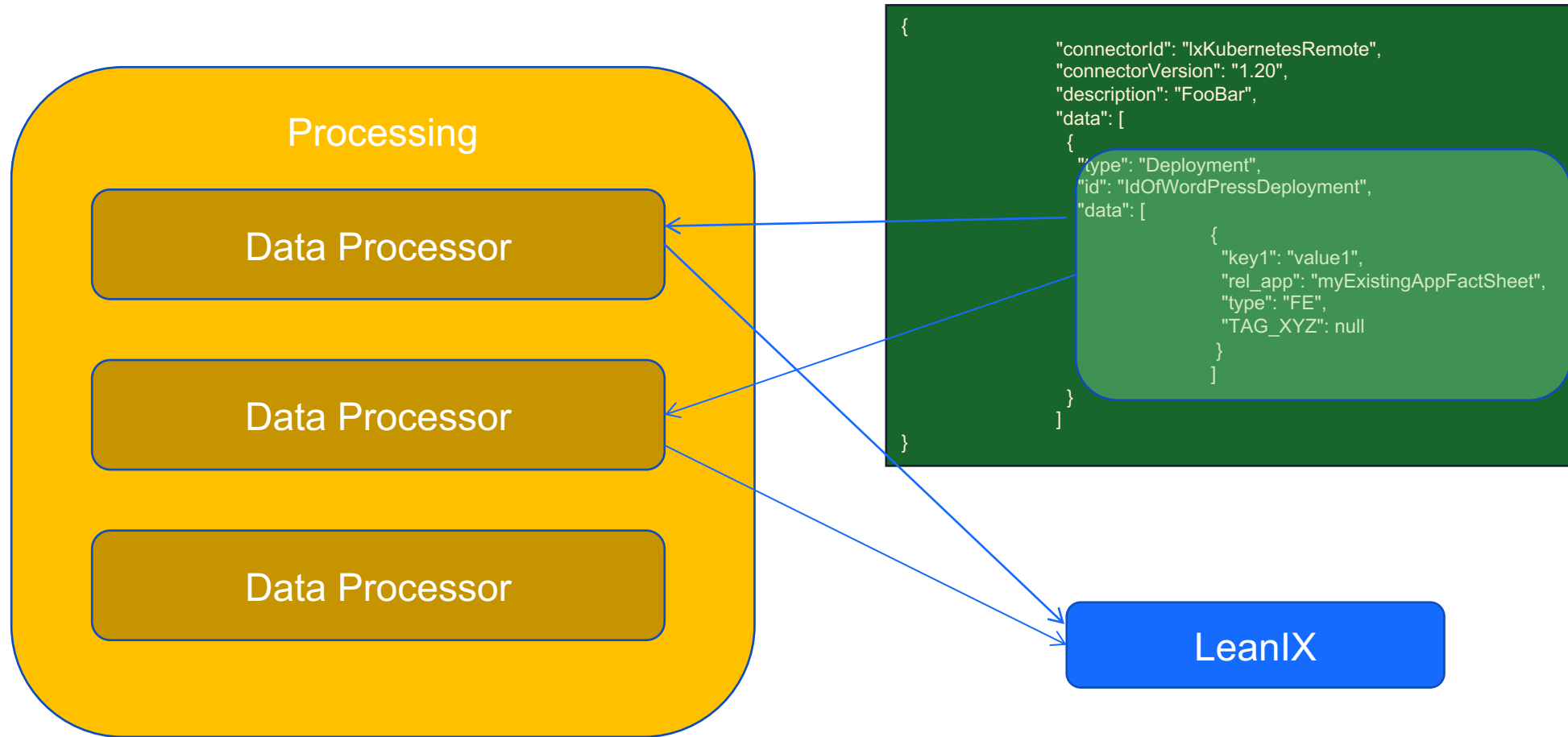
## Fully decoupled connector development

- Build small and easy to maintain connectors
- Connectors are exactly tailored to the needs
- **Focus development on the foreign system only**

# Introduction to the Integration API

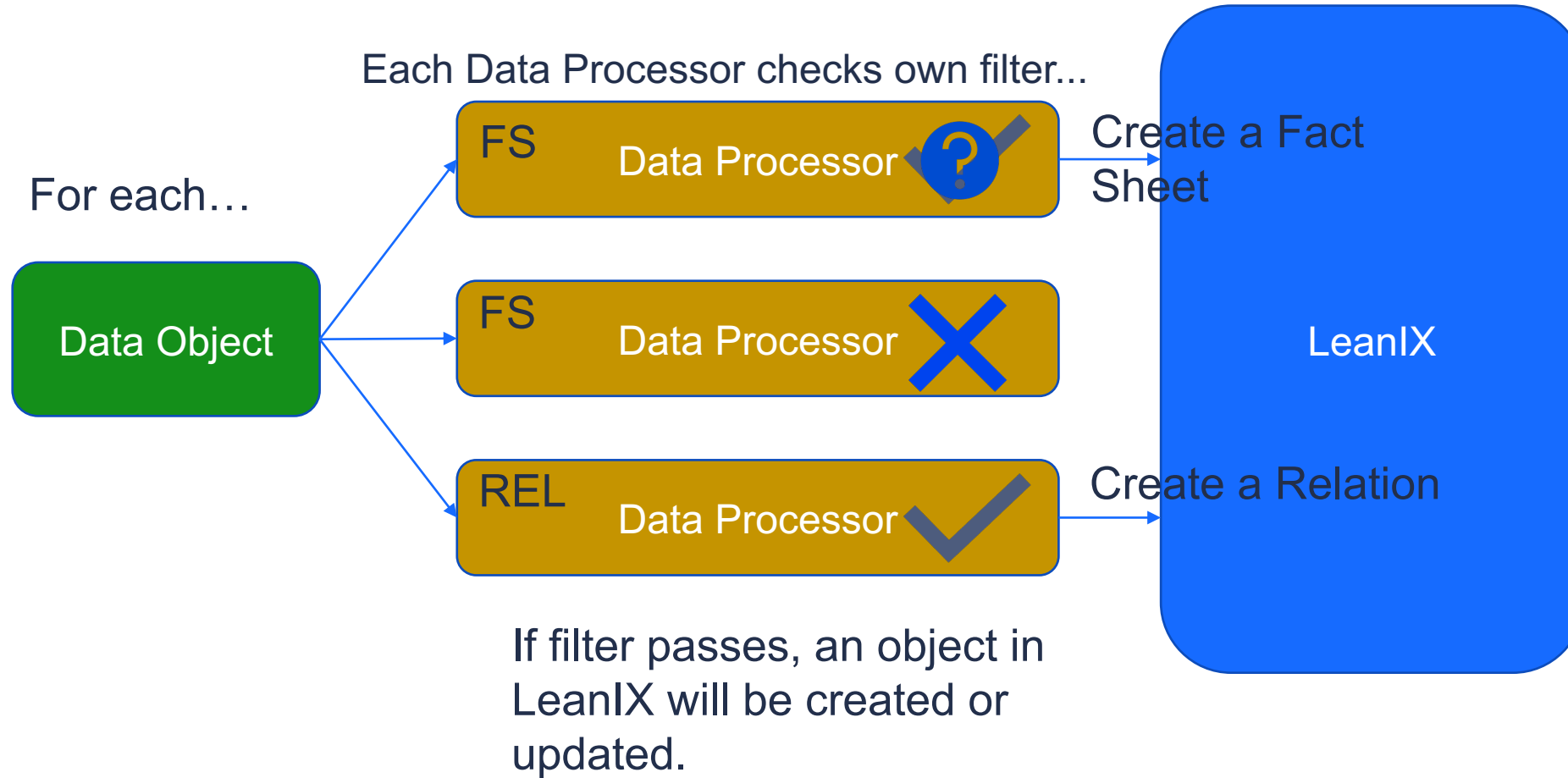


# Introduction to the Integration API



Each processor creates or updates one entity in LeanIX (if the filter matches)

# Introduction to the Integration API





## The task:

- Load some process data from an external system
- The data has already been converted to LDIF

## How we will solve:

- Write some configuration behind the Integration API
- Write some JAVA code to call our API

```
{
  "connectorType": "loadProcess",
  "connectorId": "powerSession",
  "connectorVersion": "1.0.0",
  "lxVersion": "1.0.0",
  "processingDirection": "inbound",
  "description": "Imports Projects from default project connector",
  "content": [
    {
      "type": "prc",
      "id": "123-456",
      "data": {
        "displayName": "HR_Hiring",
        "owner": "0007",
        "processDescription": "My full description of the hiring process.",
        "internalDescription": "There is some additional information we want to document here.",
        "startActive": "09.08.2019",
        "flags": [
          "anyFlag",
          "User_US-West",
          "User_US-East"
        ]
      }
    },
    {
      "type": "prc",
      "id": "100-100"
```

## Requirements

- Load the processes as “Process Fact Sheet”
  - Name will be the "displayName" of the process plus the "id" in brackets
- Map “processDescription” to Description field
- Append the "internalDescription" to the Description field
- Lifecycle “Active From” needs to be set based on input field “startActive”
- Each process starting with name "HR\_" needs to be a child of a process "Main HR Process"
- All Processes with a flag "User\_XXX" will need a "uses" relation to the corresponding user group "XXX"
- Replace the owner (referenced by id) with the real name and write to alias field using this mapping: 0007=James@leanix.net", 4711=Paul@leanix.net, 0815=Mary@leanix.net

**Thank you!**  
Any questions?

# EA CONNECT DAYS 2019

26.11.2019

Bonn

Use last slide if want to promote next webinar/conference you will take part