RPA vs DPA

Robotic Process Automation
VS
Digital Process Automation

PLEX2E.COM COMMUNITY 2020

RACE TO THE FUTURE

Speakers:

Tim Harris
Marcel Prügel

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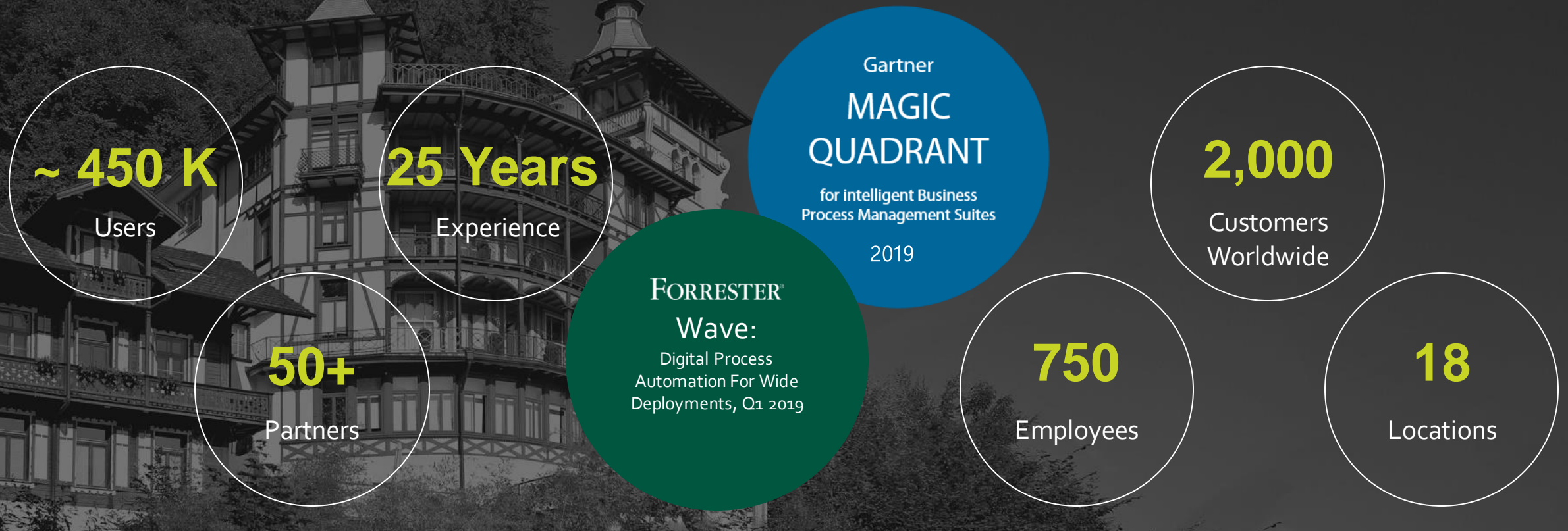
NGS
NewGeneration
Software, Inc.

IBM

October 22, 2020

COMPANY PROFILE

Digital transformation begins at the heart of your company. AXON Ivy's knowledge, technology and resources enable customers to succeed with their digital transformation projects worldwide.

~ 450 K
Users

25 Years
Experience

Gartner
MAGIC QUADRANT
for intelligent Business Process Management Suites
2019

2,000
Customers Worldwide

50+
Partners

FORRESTER
Wave:
Digital Process Automation For Wide Deployments, Q1 2019

750
Employees

18
Locations

AXON iVY
digitalize your business

CREATE CUSTOM APPLICATIONS - QUICK WINS TO MISSION CRITICAL

APPLICATION/UI

BUSINESS PROCESS MODELING/WORKFLOW

INTEGRATION

COMPARISON: RPA AND DPA

DPA:

- Agile implementation, flexible, short time to market, **low-code** development
- The digitization platform enables easier (model-based) **change management**
- The **adaptive case management** approach enables **flexible processing** of tasks to enable faster and more **efficient process progress**
- The human (user) uses the technology to simplify and document **human tasks**
- Ensures process compliance and efficiency

RPA:

- Ideal for **simple** tasks
- A **robot** handles recurring tasks without changing or questioning them
- Good for **standardized** tasks
- Implemented once in the existing infrastructure and **performs the same task over and over again**
- Only executes and does not question

COMPARISON: RPA AND DPA

DPA:

- Real **Application Development**
- Focus: improving human business processes through automation
- **Orchestration of** processes to make complex decisions
- **Desktop, web, mobile** user experiences
- **Low-code** approach: processes can be developed and adapted quickly

RPA:

- "Coat" that is put on existing systems and controls them
- Tactical approach to avoiding errors
- Accelerated processing of **machine tasks**
- Processes and applications remain as they are
- Bots replace simple work steps

COMPARISON: RPA AND DPA

DPA:

- Definition: Process + Data + Form = Application
- 100% model-driven. Fast development and simulation possible
- Can build applications that span multiple people, systems, departments, and companies

RPA:

- Great first step toward automation
- Ideal for tasks that would otherwise be difficult to automate due to lack of interfaces (APIs)
- Saves cost compared with manual processing of tasks
- Can be integrated with DPA

RPA + DPA: THE WHOLE IS GREATER THAN THE SUM OF ITS PARTS

- **Together, RPA and DPA provide true end-to-end automation**
  - RPA handles repetitive machine tasks well, particularly when no APIs are available
  - DPA enables development and management of complex human-centric applications that span departments across the enterprise
- **Integrate and orchestrate**
  - For RPA-centric use cases (invoice processing), RPA applications can orchestrate and call out to DPA for human steps (approval, exception handling)
  - For DPA-centric use cases (mortgage loan origination), DPA applications can orchestrate and call out to RPA for machine task processing

TECHNICAL OVERVIEW AND DEMO

AXON iVY
digitalize your business

AXON.IVY DIGITAL BUSINESS PLATFORM

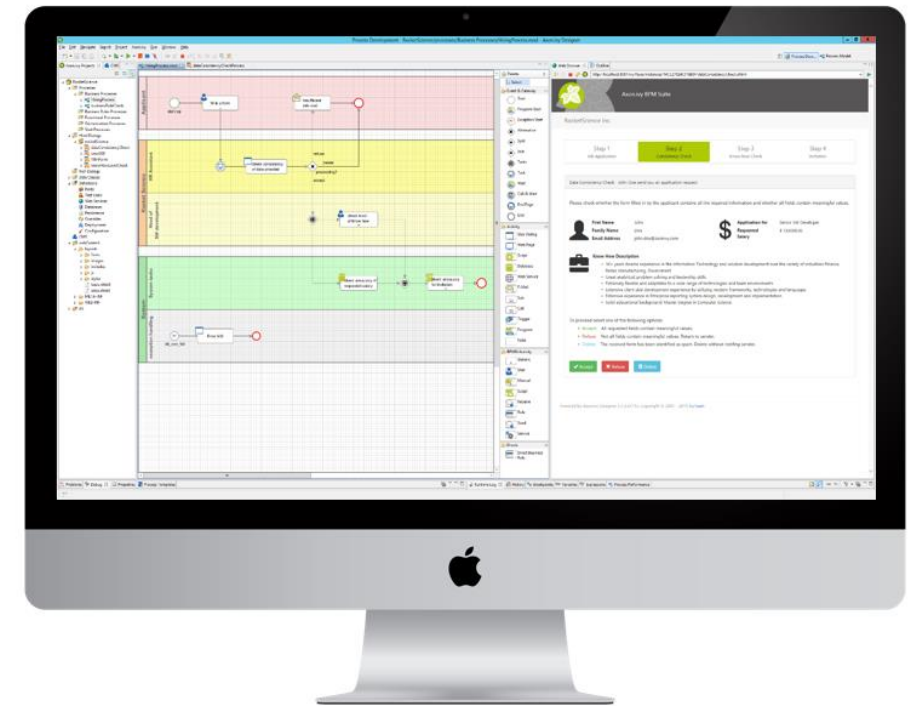## End user: Modern User Interface

Multilingual, tailor-made UI for max. usability

Web, mobile, responsive, offline, state-of-the-art
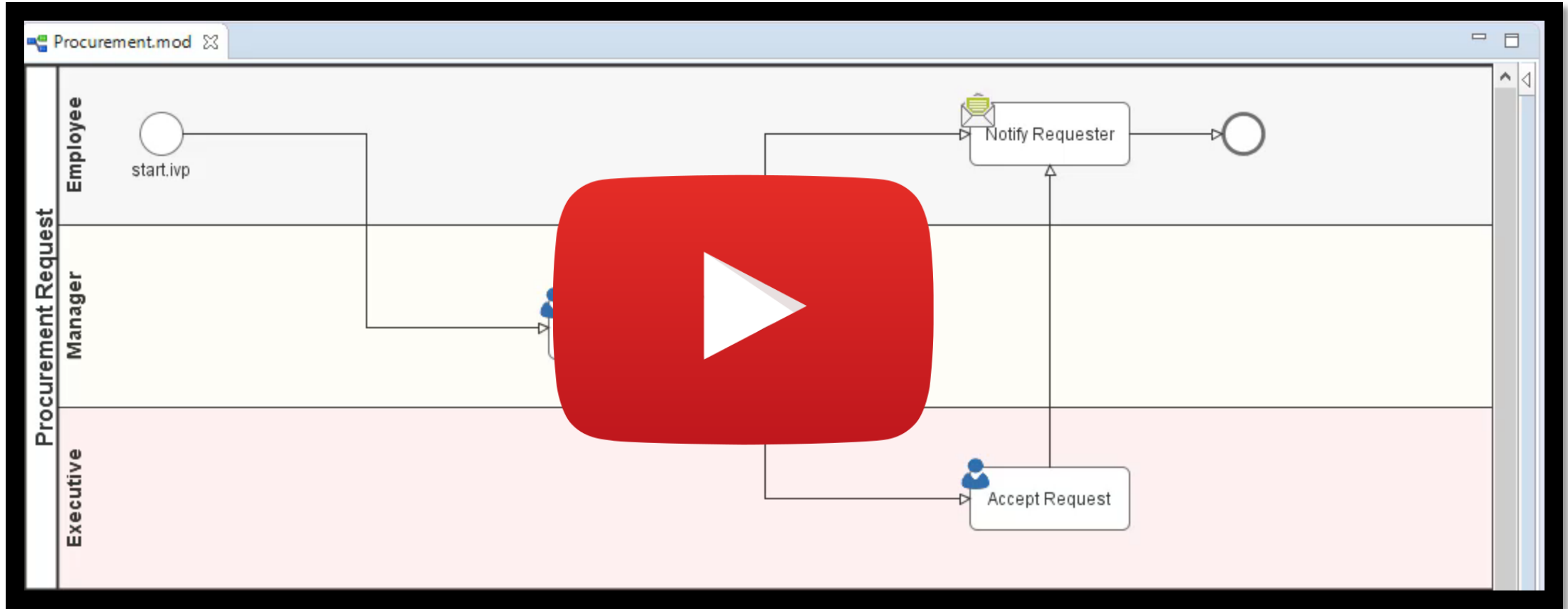
Designer: Processes + Data + Forms = Application

100% Model Driven, Rapid Development
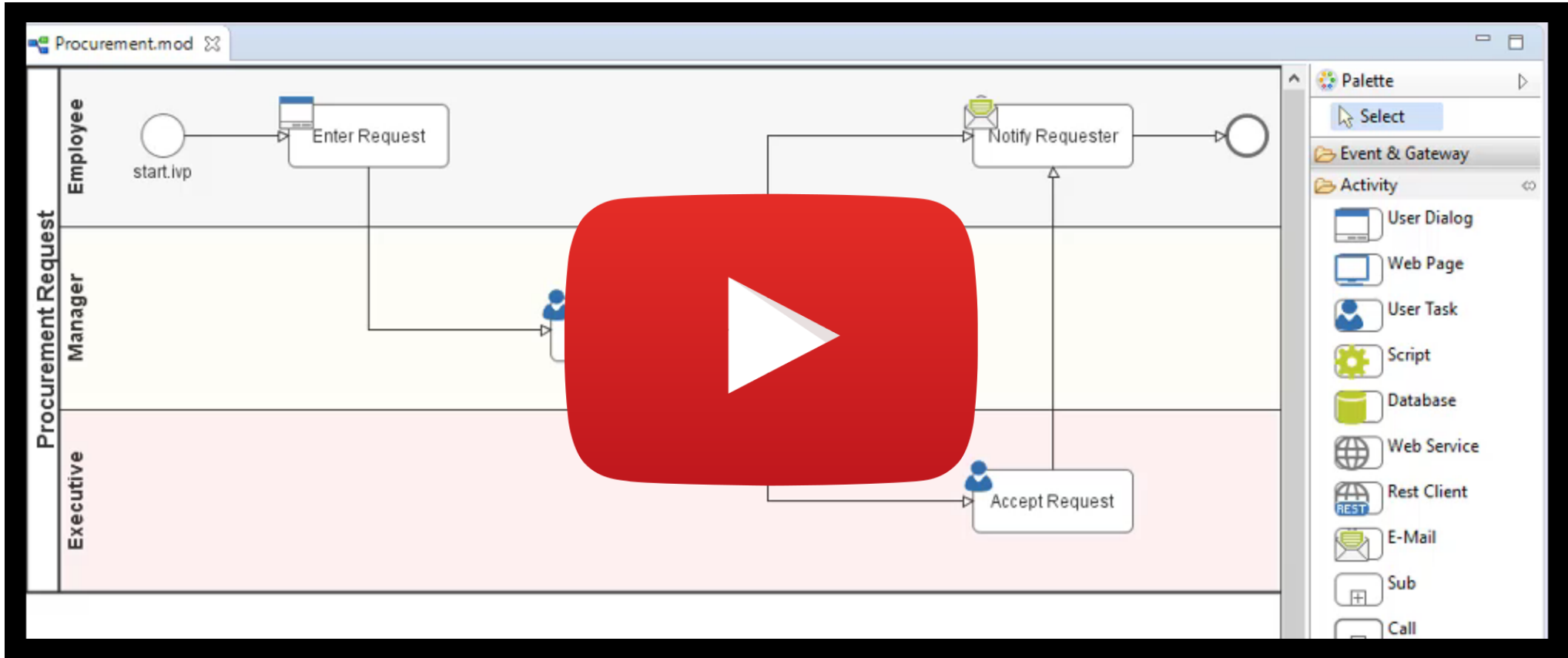
Simulation, Developer Comfort
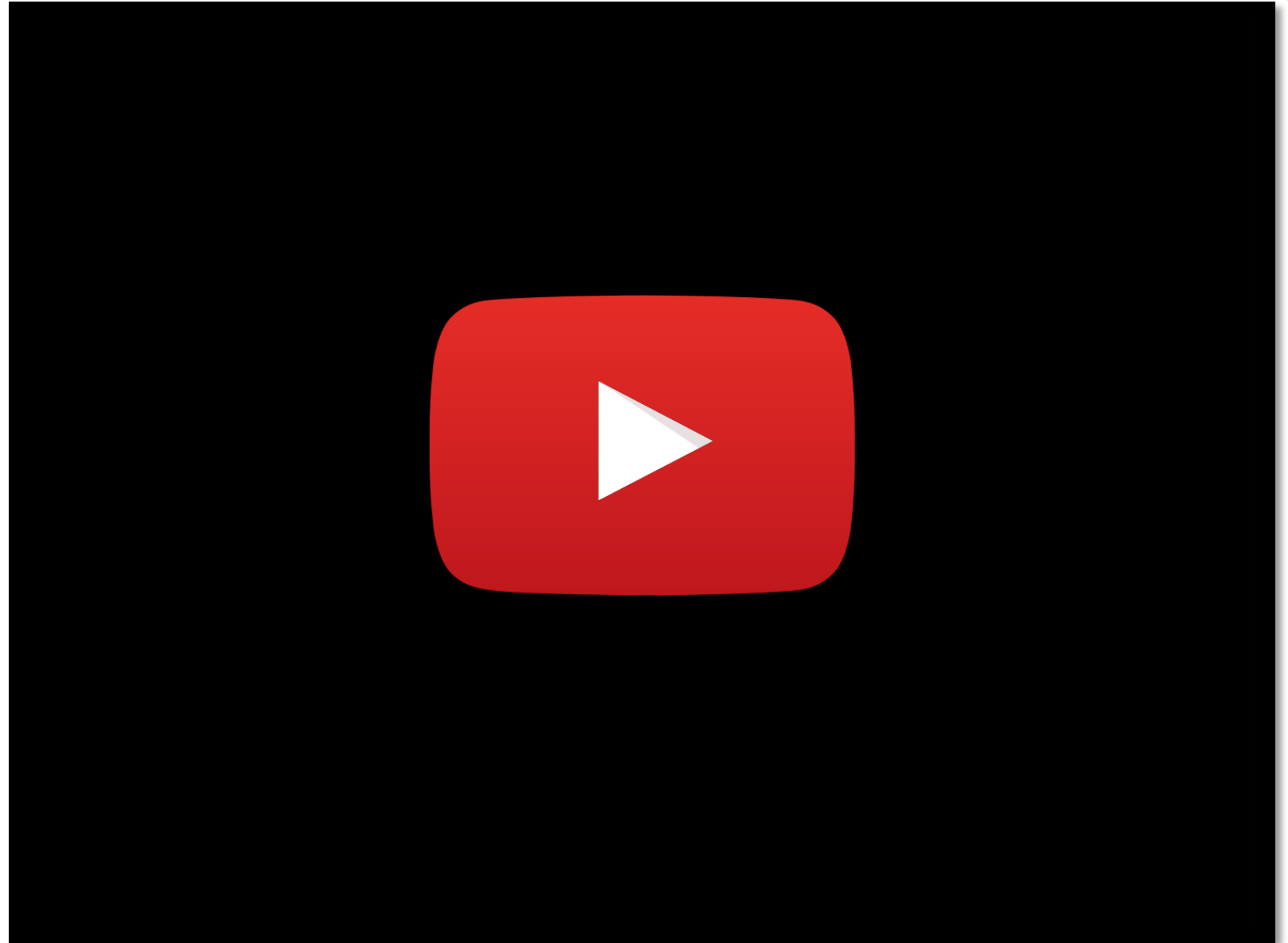
1. PROCESS MODELLING AND EXECUTION – VIDEO (ENGINE)

2. DATA AND USER INTERFACE - VIDEO

3. PORTAL - VIDEO (BUSINESS USER VIEW)

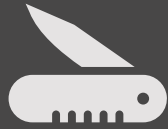# WHY DO COMPANIES CHOOSE THE AXON.IVY DIGITAL BUSINESS PLATFORM?

#1

A Digital Business Platform with "Wow" Factor

Combine the speed and agility of a model-driven low-code development platform with the power to build enterprise-grade applications.

#2

Outstanding Developer Comfort

On top of a state-of-the-art integrated development environment, the Axon.ivy Digital Business Platform comes with awesome development features and outstanding comfort.

#3

Open Architecture

Extremely scalable and future-proof architecture that can easily be extended by open standard technologies.

#4

Seamless Integration

Communicate with existing systems seamlessly and read & write data.

Benefit from an extensive range of out-of-the-box connectors.

#5

Accelerate Time-to-Market

Optimized to implement much faster and to operate and maintain much easier.

Speed up your projects with templates and extensive best practices. Citizen developers can build and run applications without writing a single line of code.
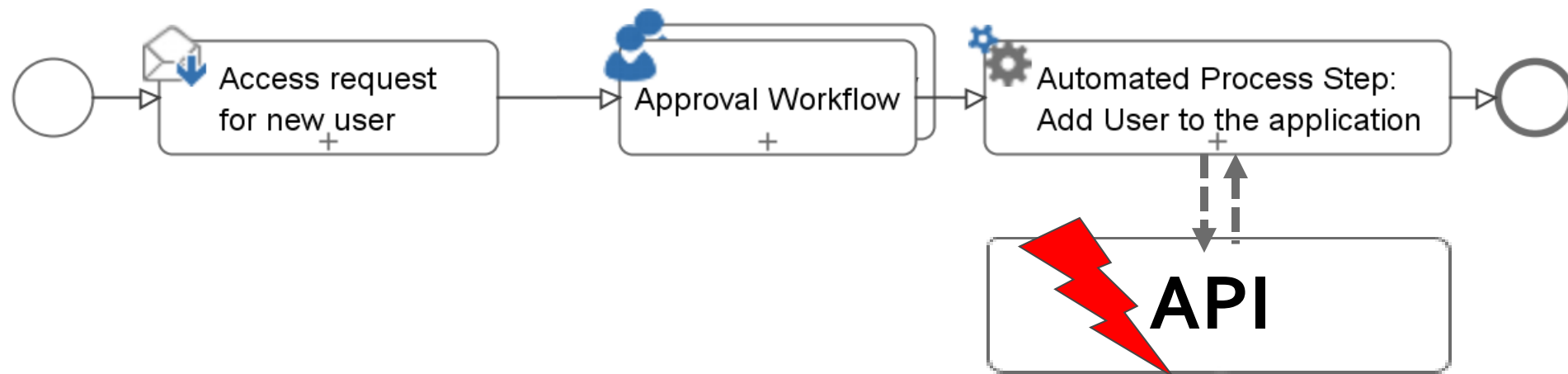
OUR APPROACH

Use-Case: **Approval process for a default application access**

Partially automated process

GOAL: Automated Process to access the 3rd party system, default application e.g. legacy system
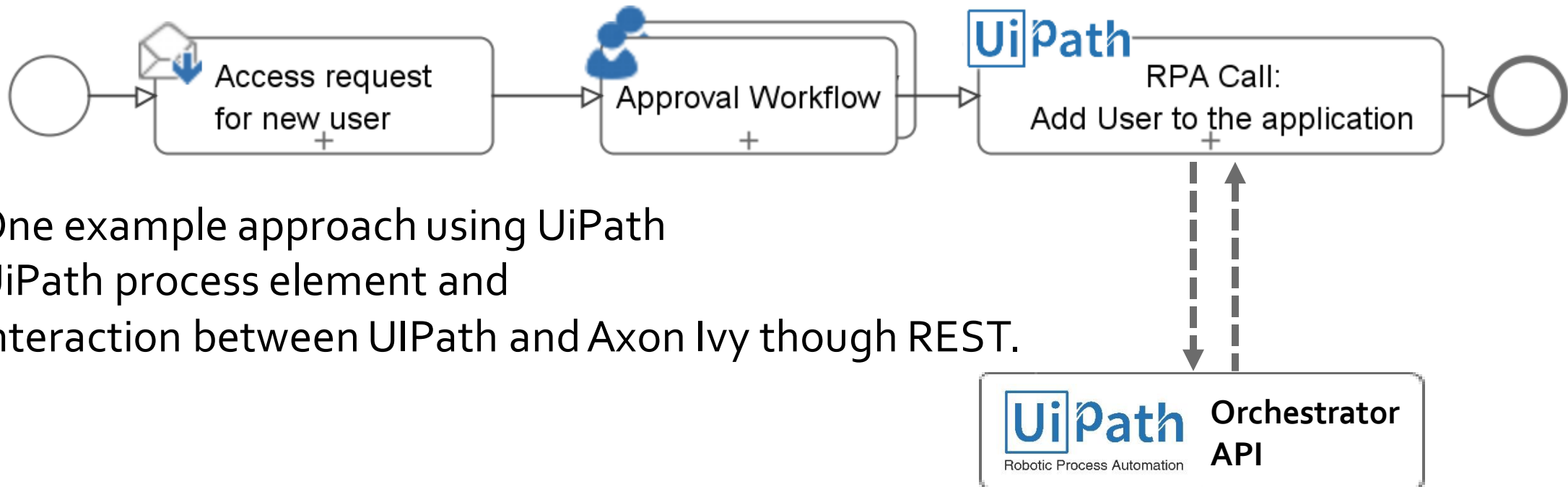
OUR APPROACH

Use-Case: **Approval process for a default application access**

- **RPA covers gaps to achieve full process coverage and digitization**

One example approach using UiPath
UiPath process element and
interaction between UIPath and Axon Ivy though REST.

LIVE DEMO

TOOLING - WHERE THERE IS A WILL, THERE'S AN API

OUR VIEW ON THIS TOPIC

- RPA uses software robots for performing process operations instead of human operations

- Is a **surface level fix**, which doesn't optimize the process but tries to make it faster

  by replacing human manual effort

- Doesn't require invasive integration, changes to underlying systems or extensive employee training (low code)

- RPA benefits include ease of use, ease of operation, and speed of implementation that allows companies

  to complete automation projects in-house, using available resources, faster, and on budget.

- **RPA is a software concept, BPM is a method**

iVY

Thank you for attending!

tim.harris@axonivy.com
marcel.pruegel@axonivy.com