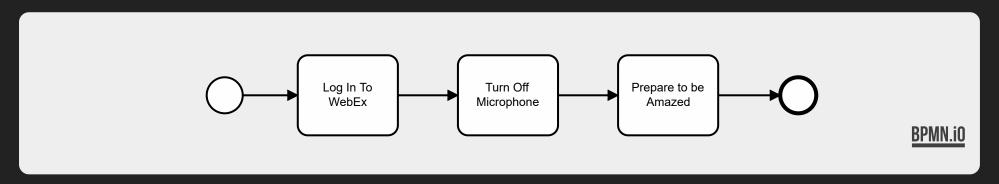
#### CAMUNDA AND VU!



#### A PRESENTATION IN 2 PARTS

- 1. BPMN and Business Process Modeling
- 2. The Camunda Engine

## PART 1 BPMN

BPMN Stands for "Business Process Model and Notation"

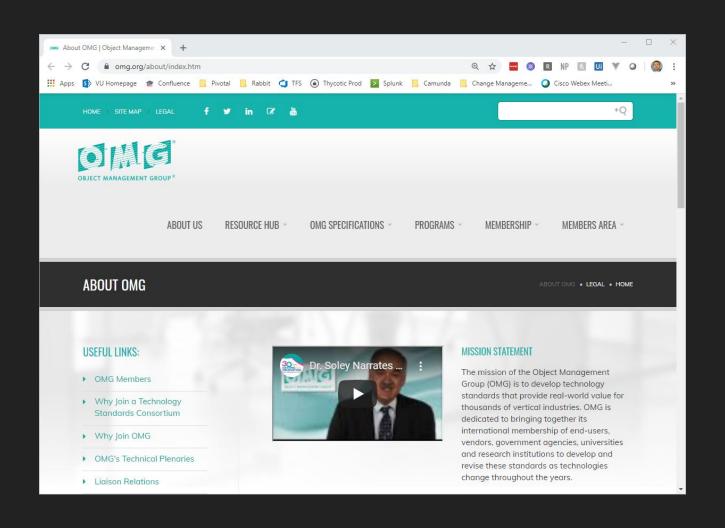
Considered "one of the one of the most important components of successful Business-IT Alignment"

- Camunda

Why use BPMN?

- Standard
- Simplicity
- Power of Expression
- Implementation in IT

#### Not Owned by Camunda, but by OMG



Not Owned by Camunda, but by OMG No vendor lock-in!

#### WHAT DOES BPMN LOOK LIKE?

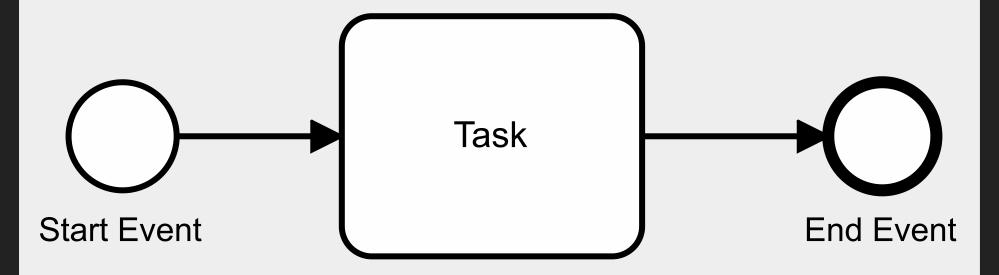
Let's take a quick look at what BPMN diagrams look like



All workflows shown in this presentation are extremely over-simplified!

If you happen to work in a system that is shown, please know that I know that the actual process is much more complicated than shown!

#### **OUR FIRST WORKFLOW**



#### **TASK TYPES**



**User Task** 



Service Task



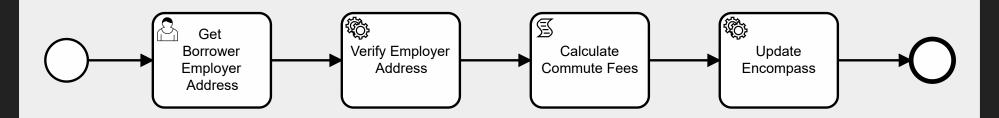
Receive Task



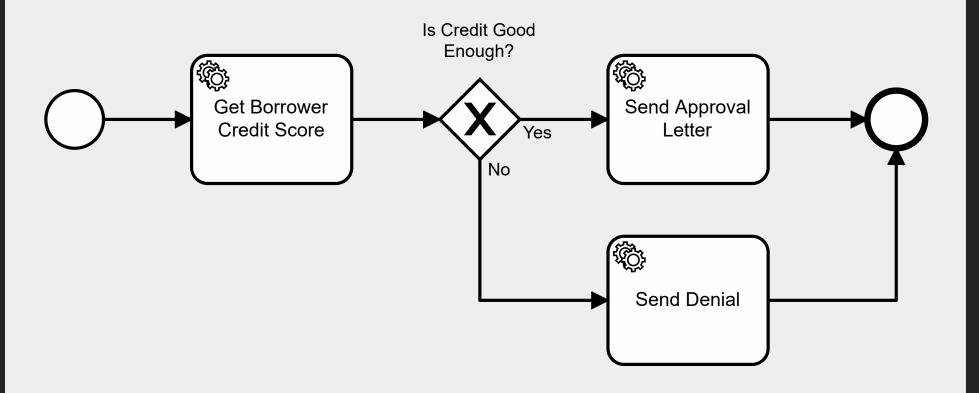
Script Task



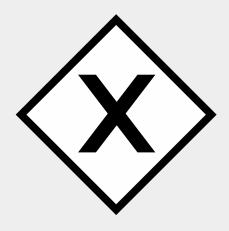
### STRING TASKS TOGETHER TO FORM A WORKFLOW



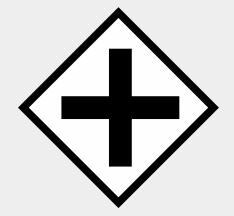
#### GATEWAYS



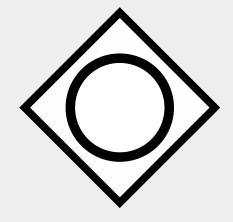
#### **GATEWAY TYPES**



Exclusive Gateway

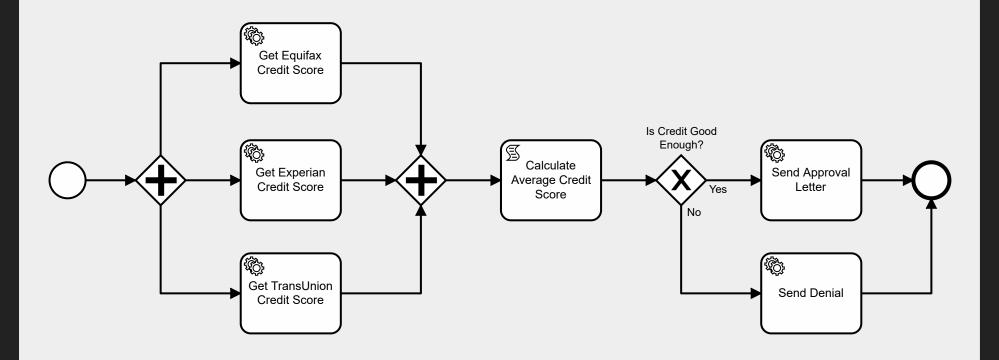


Parallel Gateway



Inclusive Gateway

#### PARALLEL IN ACTION



#### **EVENTS**

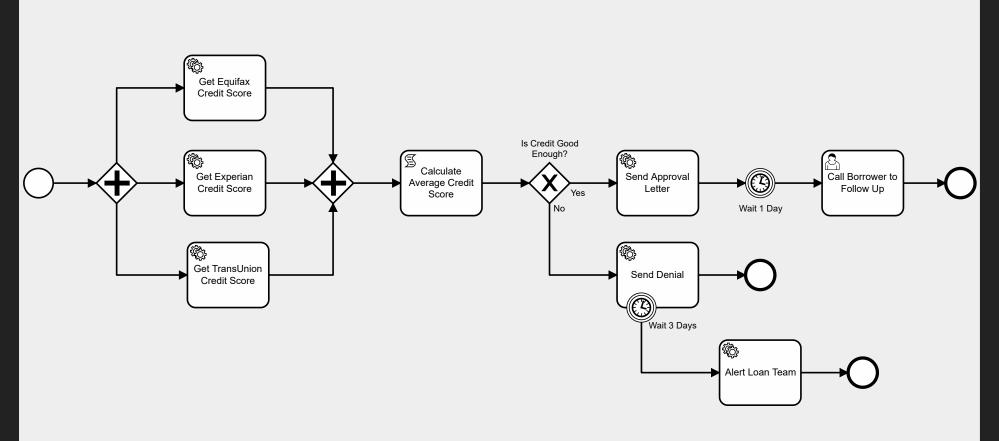


**Timer Event** 

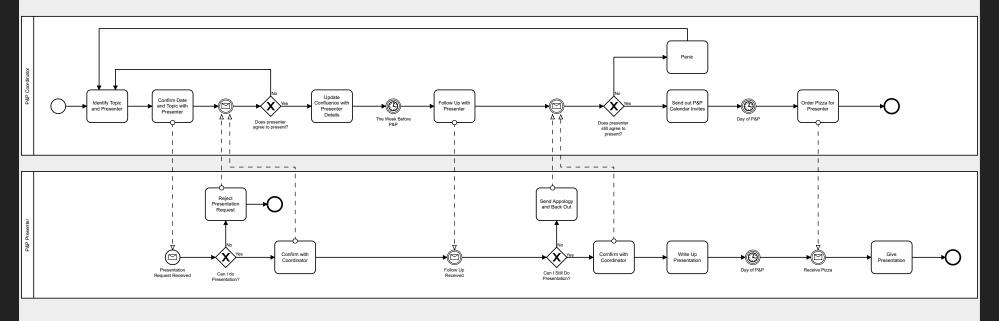


Signal Catch Event

#### **EVENTS IN ACTION**



#### LET'S LOOK AT A BIGGER EXAMPLE





#### IT'S ALL XML TO ME

```
<bpmn:definitions xmlns:bpmn="http://www.omg.org/spec/BPMN/20100524/MODEL" xmlns:blende="http://www.omg.org/spec/BPMN/20100524/MODEL" xmlns:blende="http:
<bpmn:process id="Process 0634gnj" isExecutable="true">
<bpmn:startEvent id="StartEvent 1">
             <bpmn:outgoing>Flow 0y3szz2
<bpmn:sequenceFlow id="Flow 0y3szz2" sourceRef="StartEvent 1" targetRef="Gateway 0eppg4y" />
<bpmn:sequenceFlow id="Flow 0f1801u" sourceRef="Gateway 0eppg4y" targetRef="Activity 1jr4pk0" />
<bpmn:parallelGateway id="Gateway Oeppg4y">
             <bpmn:incoming>Flow 0y3szz2
             <bpmn:outgoing>Flow Of1801u/bpmn:outgoing>
             <bpmn:outgoing>Flow 0g0fqyu</bpmn:outgoing>
             <bpmn:outgoing>Flow Owtg7rz
<bpmn:sequenceFlow id="Flow 0q0fqyu" sourceRef="Gateway 0eppq4y" targetRef="Activity 0u3a9p8" />
```

# PART 2 CAMUNDA

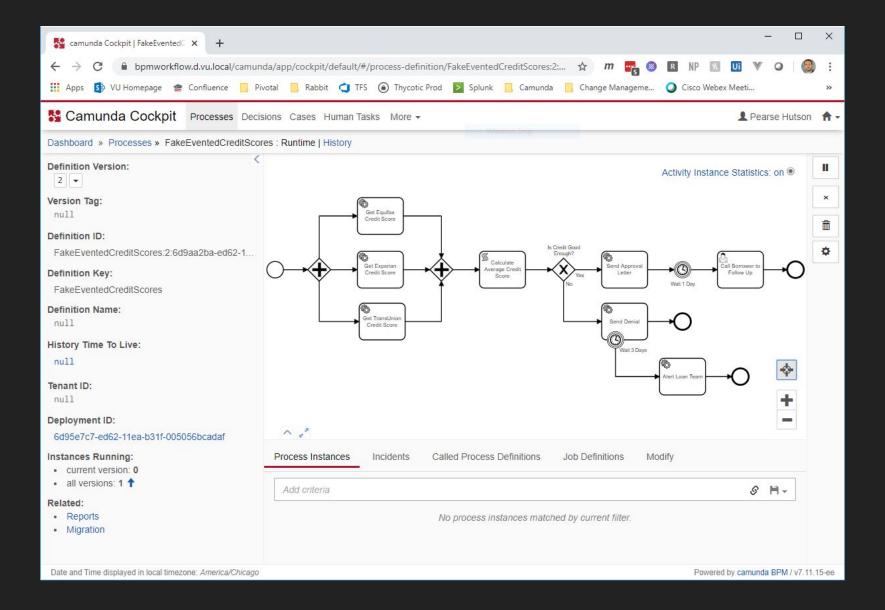
#### WHAT IS CAMUNDA

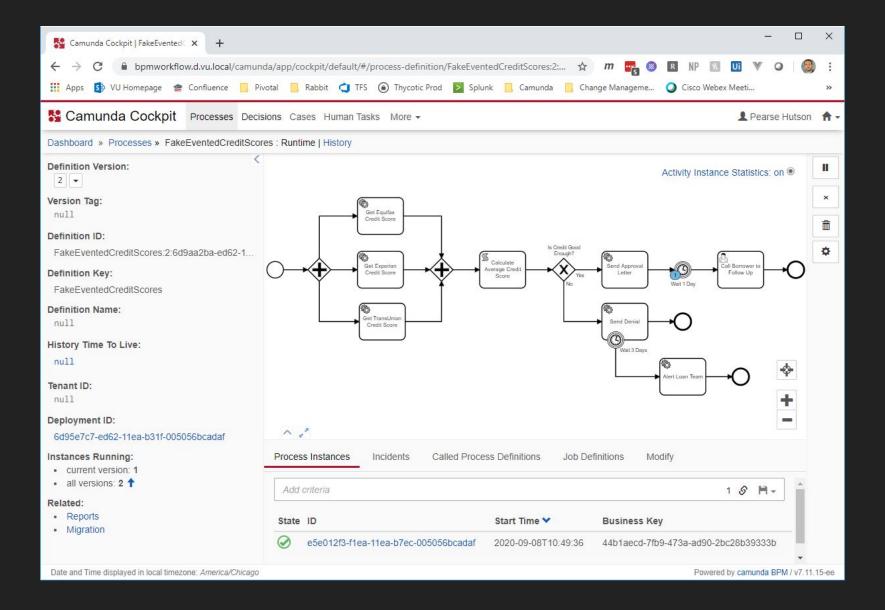
- Open-Source Workflow Automation Platform
- BPMN Standard Compliant Workflow Engine

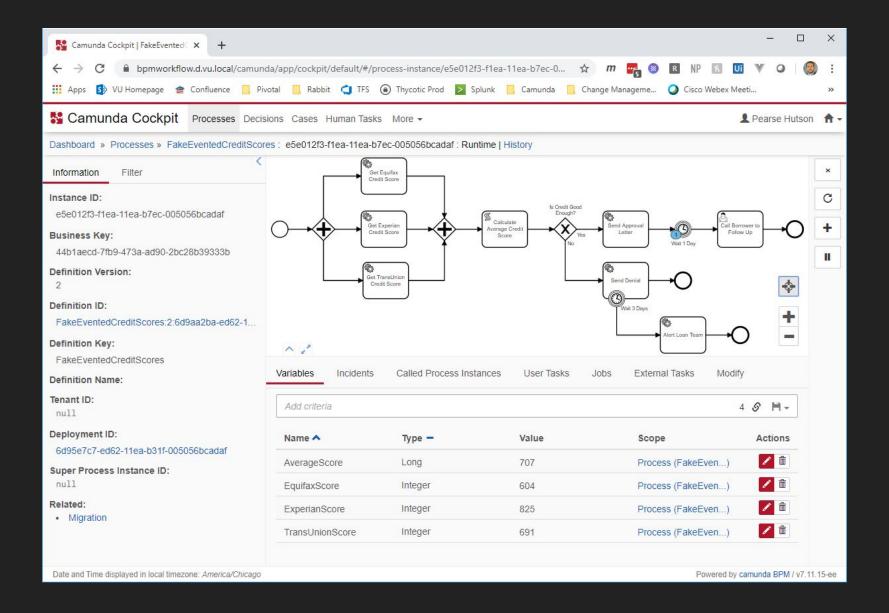
#### **WORKFLOW AUTOMATION**

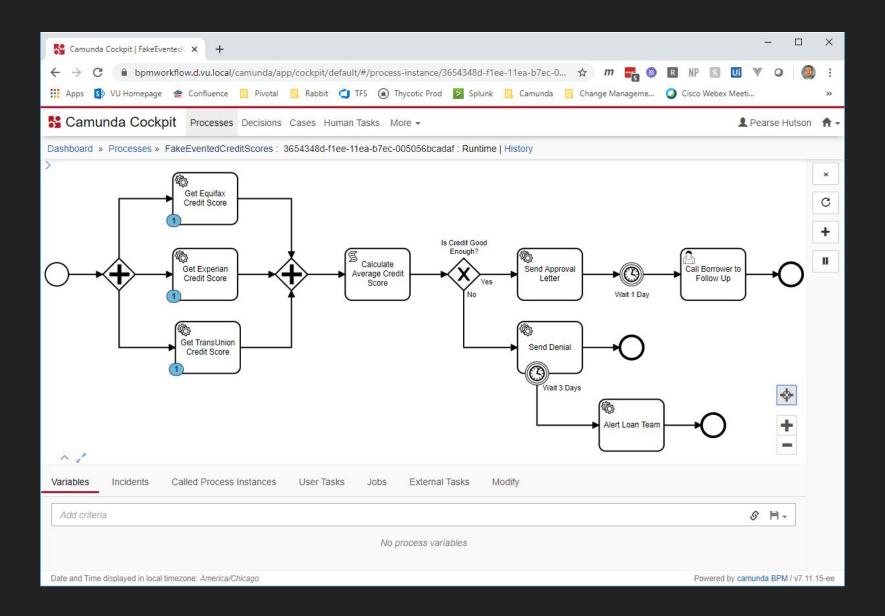
Camunda allows us to execute our workflows

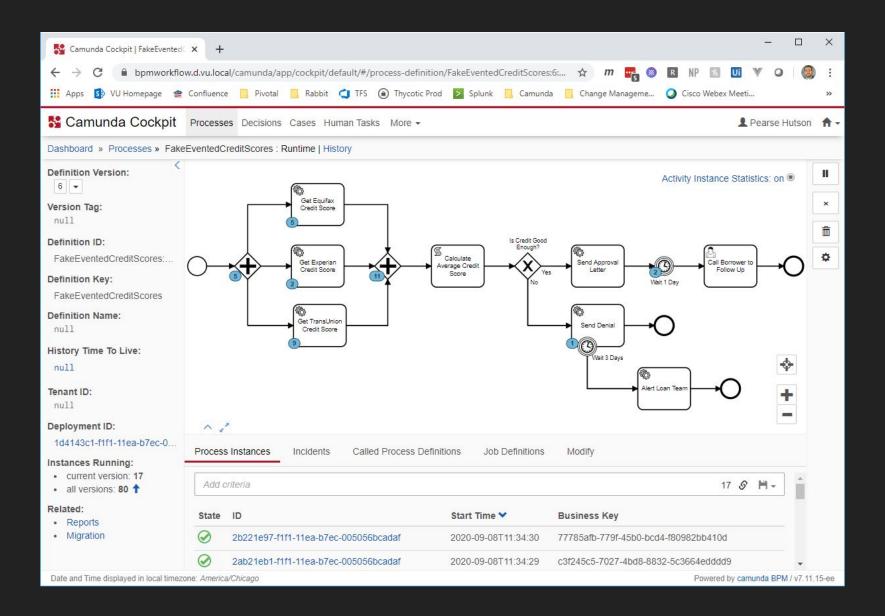
Let's see what this looks like in the Camunda Cockpit

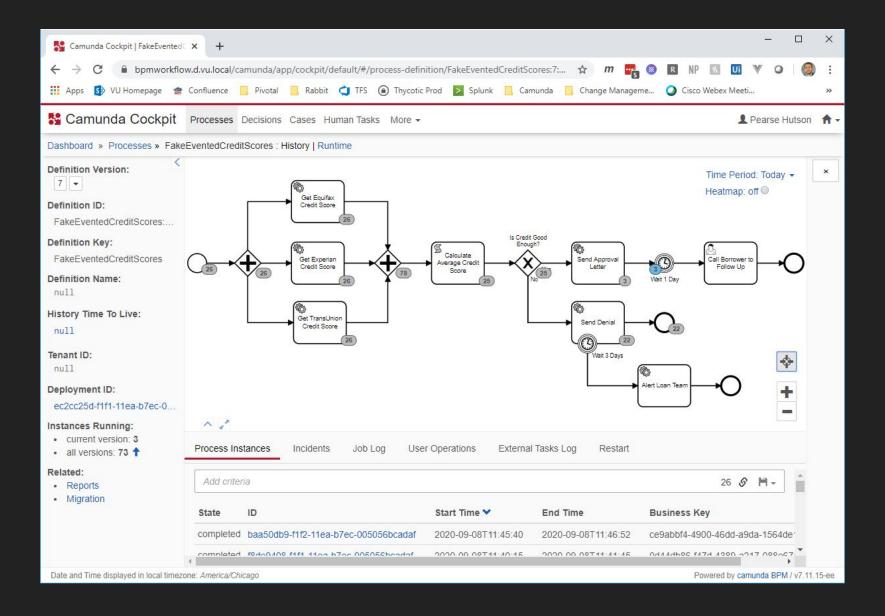


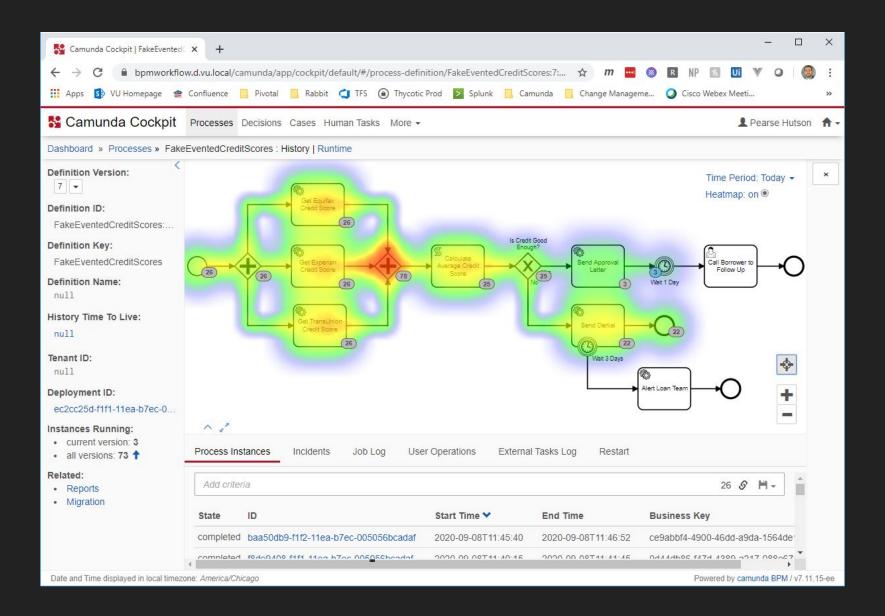


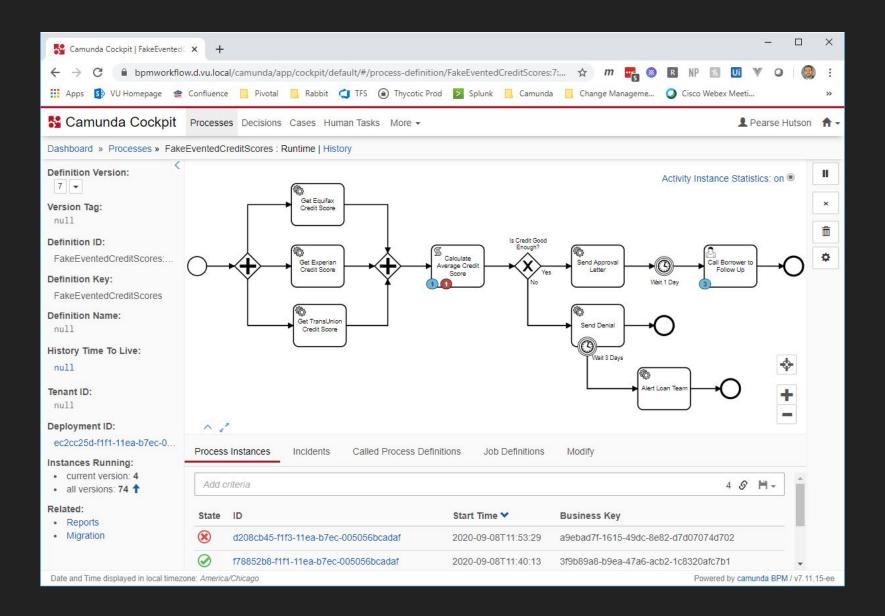


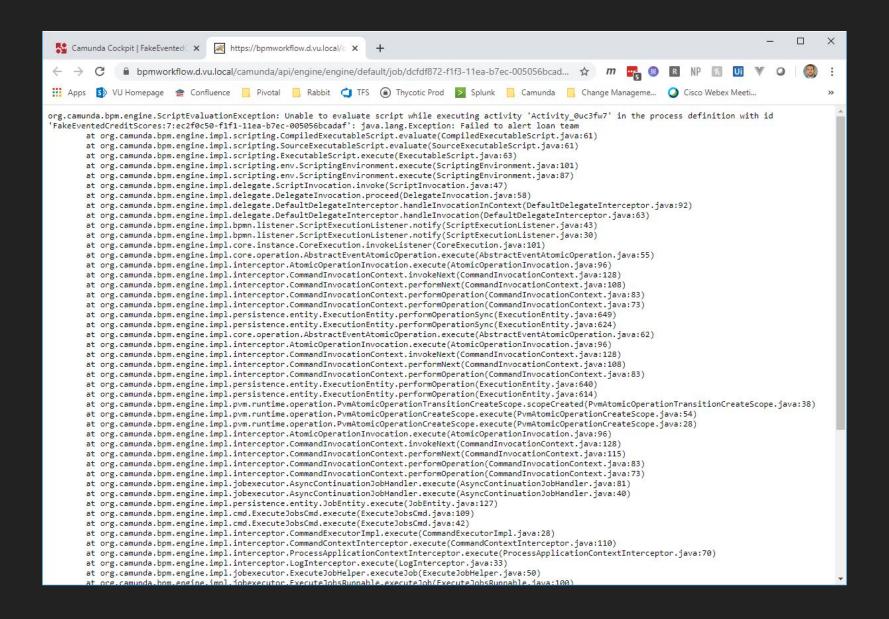












## PART 3 WHY WE LIKE CAMUNDA

#### **DEVELOPER INSIGHT**

- Visual Workflow
- Amazing REST Interface
- Built-in Versioning
- Handles State-Machine Logic
- Application Visibility

#### PRODUCT STRATEGY INSIGHT

- Visual Workflow
- Increased Productivity
- Logging/Debugability for Free
- Built-in Metrics
- Changes to a Workflow are Usually Faster

"A fair amount of long term product vision requires workflows built on top of workflows using workflows, all drenched in business logic.



- Matt U.

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Unlike the past 6 years, we can't feasibly keep big chunks of the burden off SS's plate by having PS bury large swaths of it in Encompass.



- Matt U.

"A fair amount of long term product vision requires workflows built on top of workflows using workflows, all drenched in business logic.

Unlike the past 6 years, we can't feasibly keep big chunks of the burden off SS's plate by having PS bury large swaths of it in Encompass.

Yeah, SS <u>CAN</u> code it all in Javascript and/or C#, but if a tool like this makes workflows easier for developers to maintain and scale business logic heavy workflows, then we should make an effort to get familiar with it and use it."



#### **TRADE-OFFS**

- Have to build tools around Camunda
- Yet Another Tool to Maintain (YATM)
- Unfamiliarity with BPMN/Camunda

#### REAL USE CASES

- RPA Workflow Automation
- Asynchronous Processing (Part One | Part Two )
- Long-running Synchronous Processes

#### **GETTING STARTED**

- Talk with your Friendly Neighborhood Architect
- Join the #product-camunda Slack channel
- Reach out to a team that has Camunda experience
  - Team Bard Ops
  - Velocity Raptors Sales

#### QUESTIONS

