

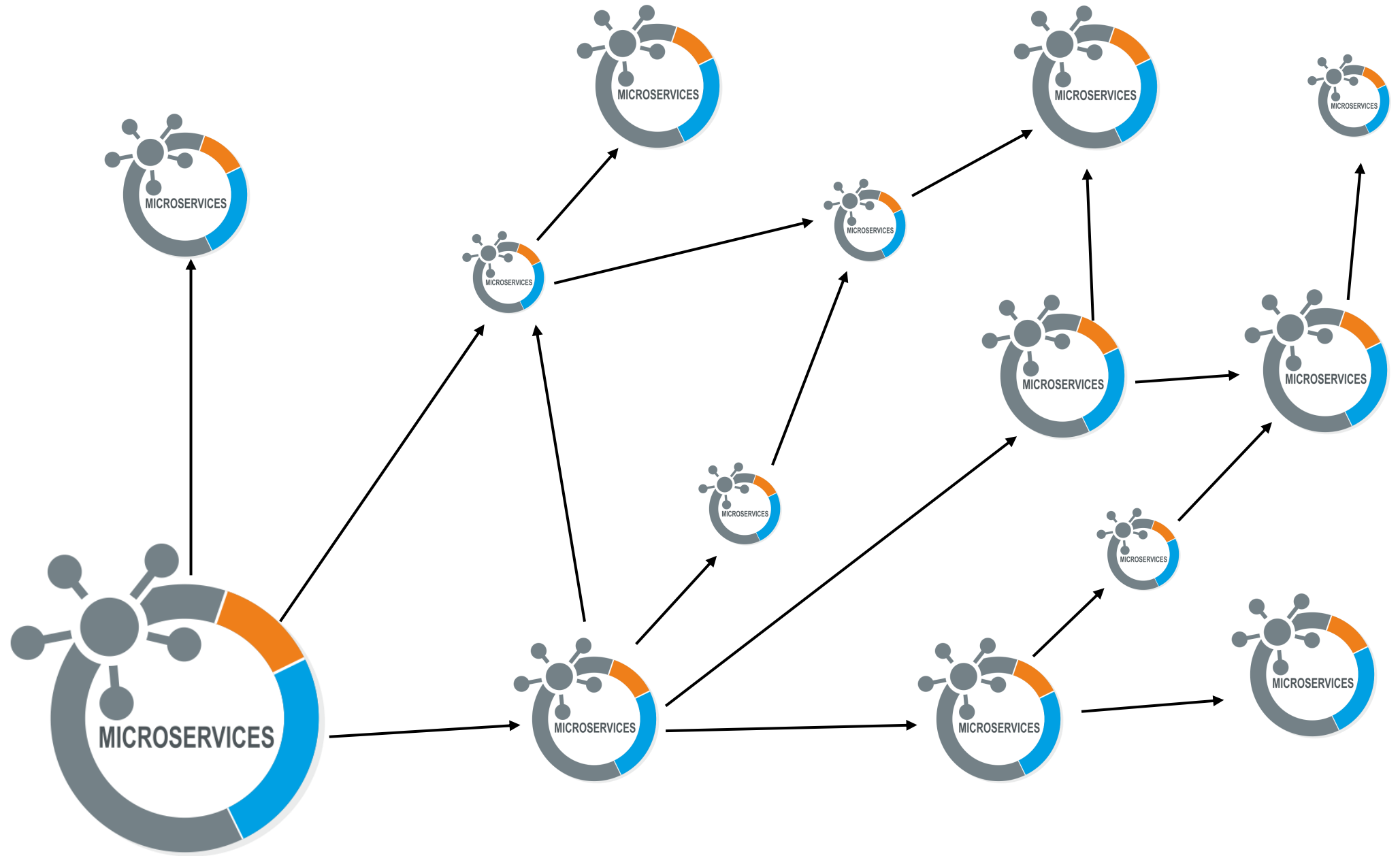
**CAMUNDA**  
**CON**  
2020.2

# Orchestrating Microservices from Modeling to Production

Wiliam Buzatto







# What we are going to see together

- Switch from an environment where already have MS;
  - How to adopt Camunda with little effort.
- Build a BPM from Modeler to Production;
  - Model, Infra, Pipeline, Cloud (DevOps).
- Use Camunda anywhere.
  - Technology independente.



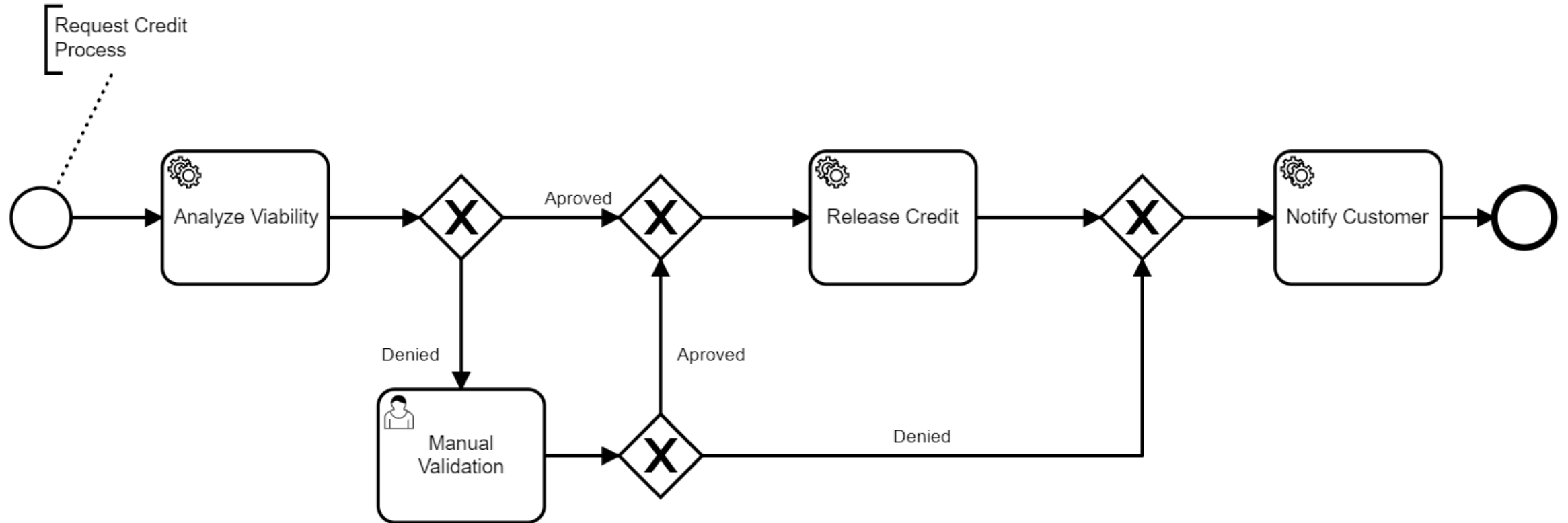
**CAMUNDA**

**Process Automation  
reinvented for the  
Digital Enterprise**



**Let's Code something!**

# Credit analyzer





**Let's Deploy it!**

Where?

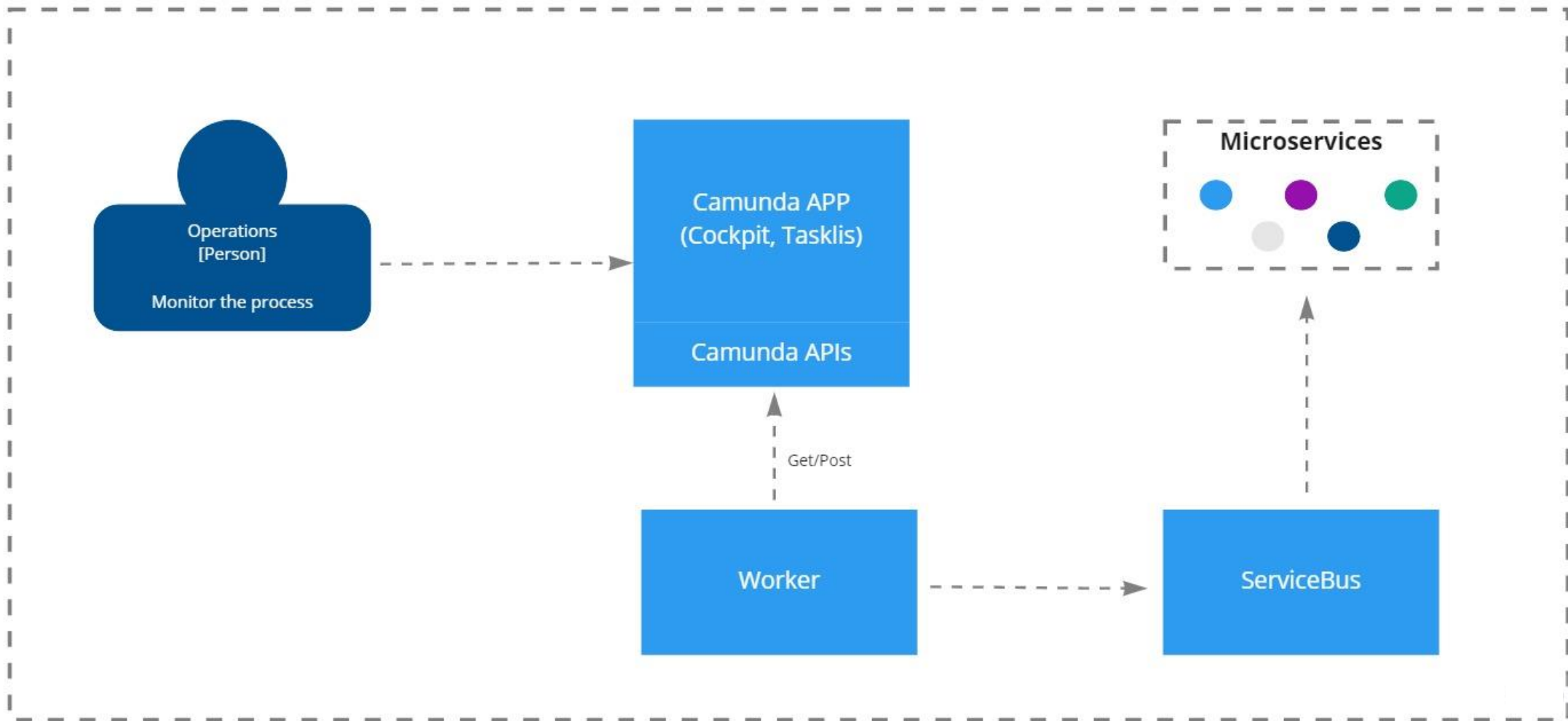
How?



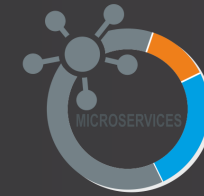
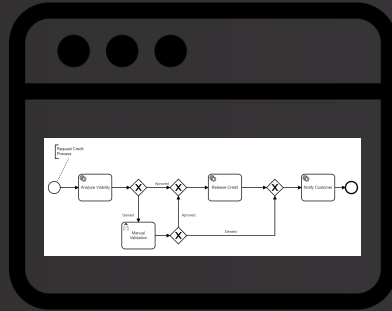


# C4 Model - Architecture

C4 - Container diagram



# How are we going to build this



Microservices



# Camunda on Azure

- Service Plan
- App Service
- Database
- Container registry

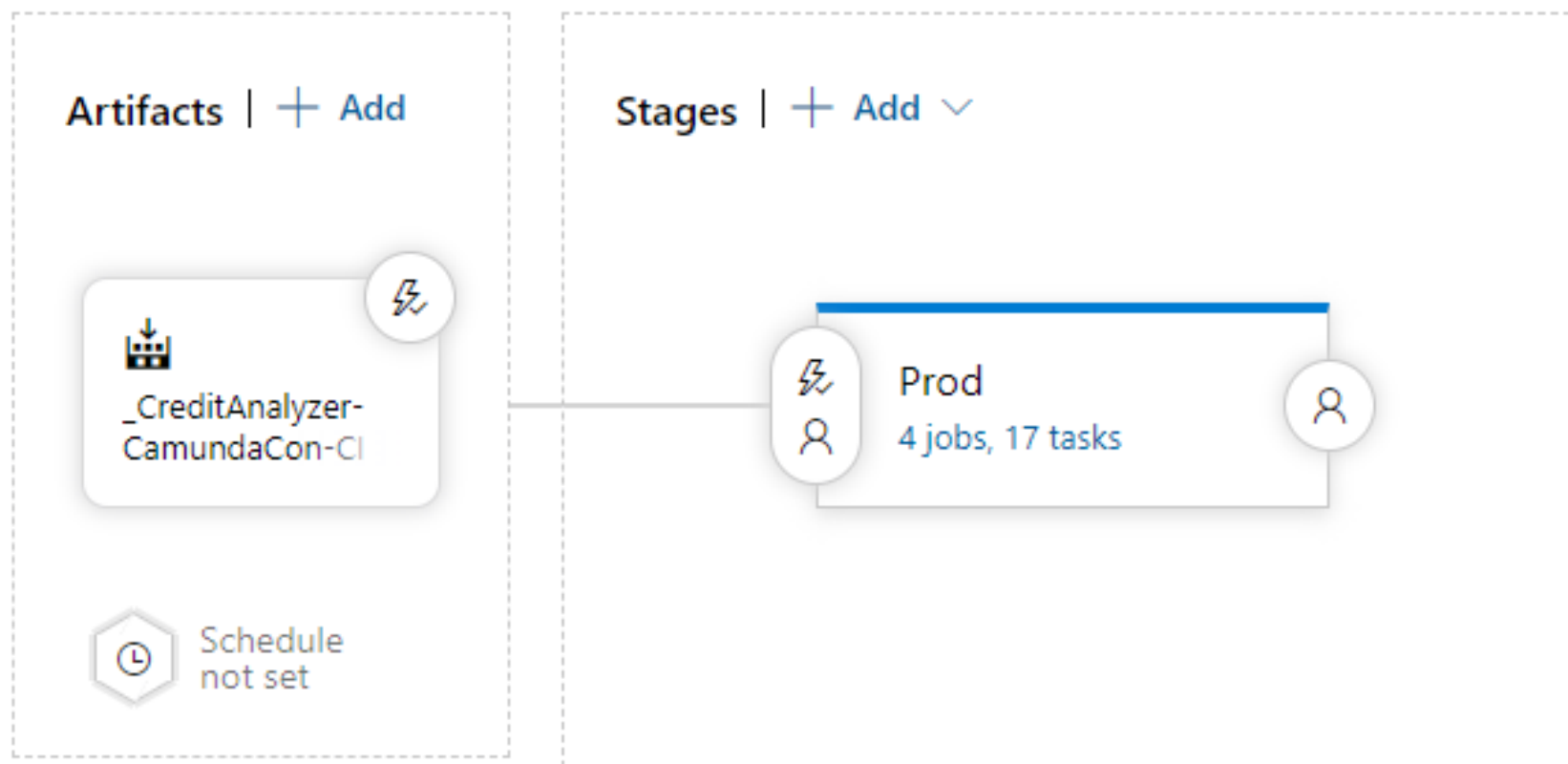




**OK! Now, let's Deploy it!**

## All pipelines > Credit.Analyzer.Pipeline

Pipeline Tasks Variables Retention Options History



Credit.Analyzer.Pipeline > Release-26 > Prod ✓ Succeeded

← Pipeline Tasks Variables **Logs** Tests | [Deploy](#) [Cancel](#) [Refresh](#) [Download all logs](#) [Edit](#) ...

### Deployment process

Succeeded

- ✓ Deploy Infra  
Succeeded · 2 warnings
- ✓ **Camunda Docker**  
Succeeded
- ✓ Create Camunda User  
Succeeded
- ✓ Deploy BPM Model  
Succeeded

### Camunda Docker

Pool: [Azure Pipelines](#) · Agent: Hosted Agent

- ✓ Initialize job · succeeded
- ✓ Download artifact - \_CreditAnalyzer-CamundaCon-CI - drop · succeeded
- ✓ Replace tokens in server.xml · succeeded
- ✓ Install Docker 17.09.0-ce · succeeded
- ✓ Docker login · succeeded
- ✓ Docker Build · succeeded
- ✓ Push · succeeded
- ✓ Azure Web App on Container Deploy: camundaconappdemobuzatto · succeeded
- ✓ Finalize Job · succeeded

# Version 1

Camunda Cockpit Processes Decisions Cases Human Tasks More

Dashboard » Processes » CreditAnalyzer : Runtime | History

Definition Version: 1  
Version Tag: null  
Definition ID: CreditAnalyzer:1:b6fd6b65-084c-11...  
Definition Key: CreditAnalyzer  
Definition Name: null  
History Time To Live: null  
Tenant ID: null  
Deployment ID: b63e6123-084c-11eb-9274-0242ac...  
Instances Running: 3  
Related: Reports, Migration

Activity Instance Statistics: on

```
graph LR; Start((Request for Credit)) --> Analyze[Analyze Viability]; Analyze --> D1{X}; D1 -- Aproved --> D2{X}; D1 -- Denied --> Manual[Manual Validation]; Manual -- Aproved --> D3{X}; Manual -- Denied --> D4{X}; D2 --> Release[Release Credit]; D3 --> Release; D4 --> D5{X}; D5 --> Notify[Notify Customer]; Notify --> End((( ))
```

Process Instances Incidents Called Process Definitions Job Definitions Modify Documentation

Add criteria 3

State	ID	Start Time	Business Key
✓	04740b6d-084d-11eb-9274-0242ac101803	2020-10-06T23:27:24	27514c59-1730-458a-b558-4939ad324946
✓	03abb257-084d-11eb-9274-0242ac101803	2020-10-06T23:27:23	78e4e1dd-9ada-4968-b235-4086301992a3
✓	f72536c4-084c-11eb-9274-0242ac101803	2020-10-06T23:27:02	7a5f10ca-7524-467f-a9b9-75ea236126a2

# Version 2

Camunda Cockpit Processes Decisions Cases Human Tasks More

camundacon camundacon

Dashboard » Processes » CreditAnalyzer : Runtime | History

Definition Version: 2

Version Tag: null

Definition ID: CreditAnalyzer:2:06a83452-084e-11...

Definition Key: CreditAnalyzer

Definition Name: null

History Time To Live: null

Tenant ID: null

Deployment ID: 062c2680-084e-11eb-9274-0242ac...

Instances Running:

- current version: 0
- all versions: 0

Related:

- Reports
- Migration

Activity Instance Statistics: on

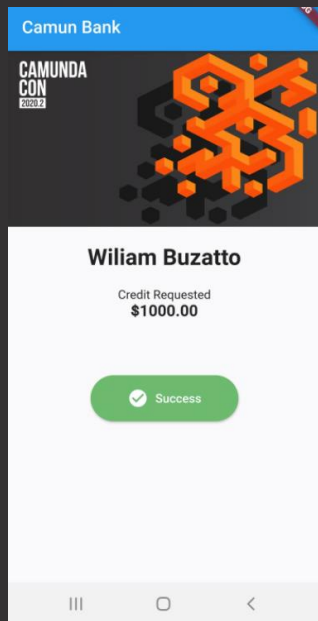
```
graph LR; Start((Request for Credit)) --> Analyze[Analyze Viability]; Analyze --> D1{X}; D1 -- Denied --> Manual[Manual Validation]; Manual -- Approved --> D2{X}; D1 -- Approved --> D2; D2 -- Denied --> D3{X}; D2 -- Approved --> Release[Release Credit]; Release --> D4{X}; D4 -- Denied --> D3; D4 -- Approved --> Notify[Notify Customer]; D3 --> End(( ));
```

Process Instances Incidents Called Process Definitions Job Definitions Modify Documentation

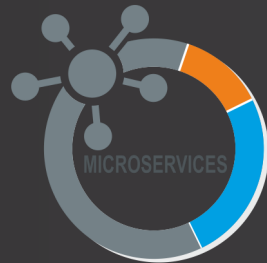
Add criteria

No process instances matched by current filter.





Worker



# Remember

- Little effort to adopt Camunda from MS environment;
  - Big benefits.
- Technology independent;
- Huge gain for business.

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2020.2

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