



MünchenerHyp

Tradition meets the Digital Economy

A Camunda success story

Alexander Sopicki, Software Developer (MHB)

Stephan Pelikan, Camunda Consultant (WDW)

22.09.2021

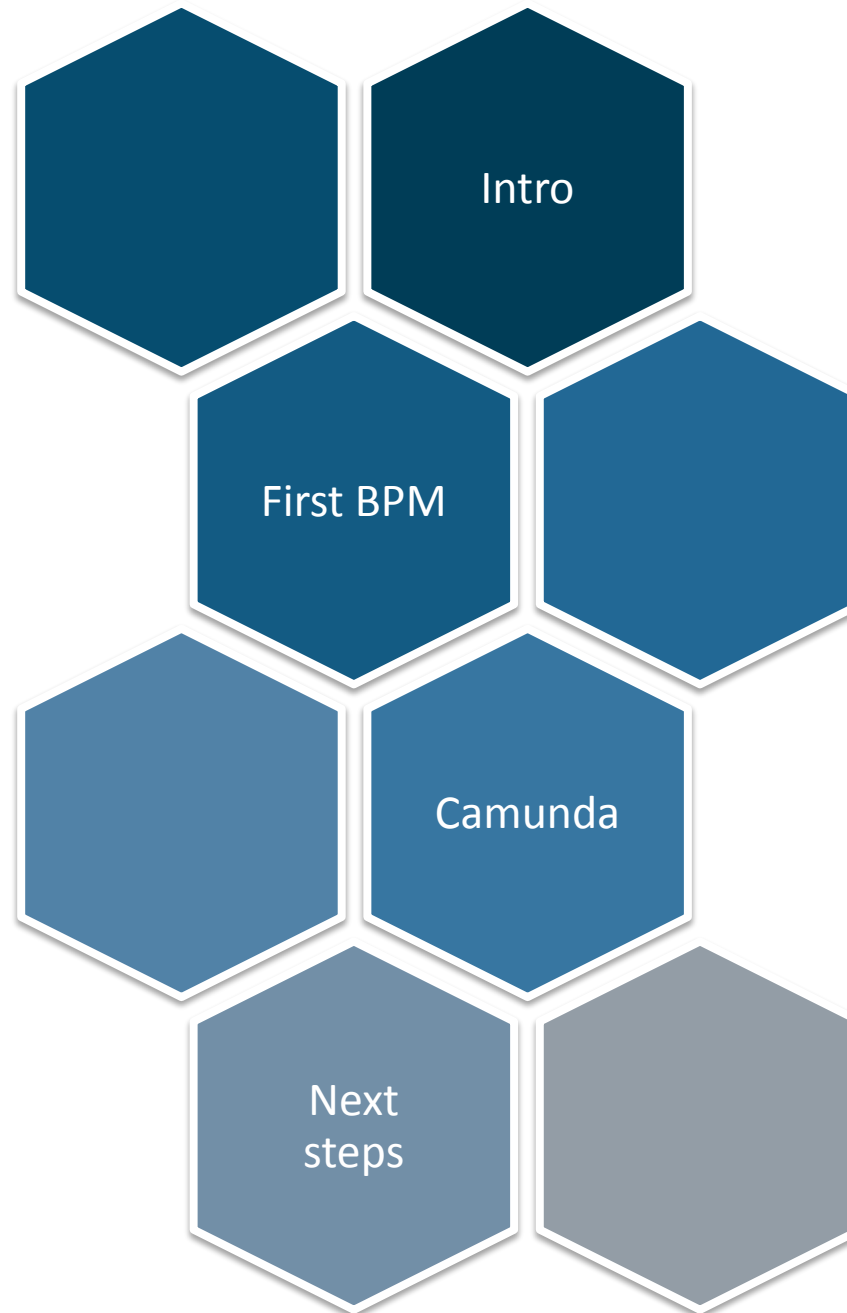


Alexander Sopicki

- Age: 41
- Software Developer
- Development, Operations, Architecture
- Java, Rust, Javascript, Python
- Working for MHB since 2019

Stephan Pelikan







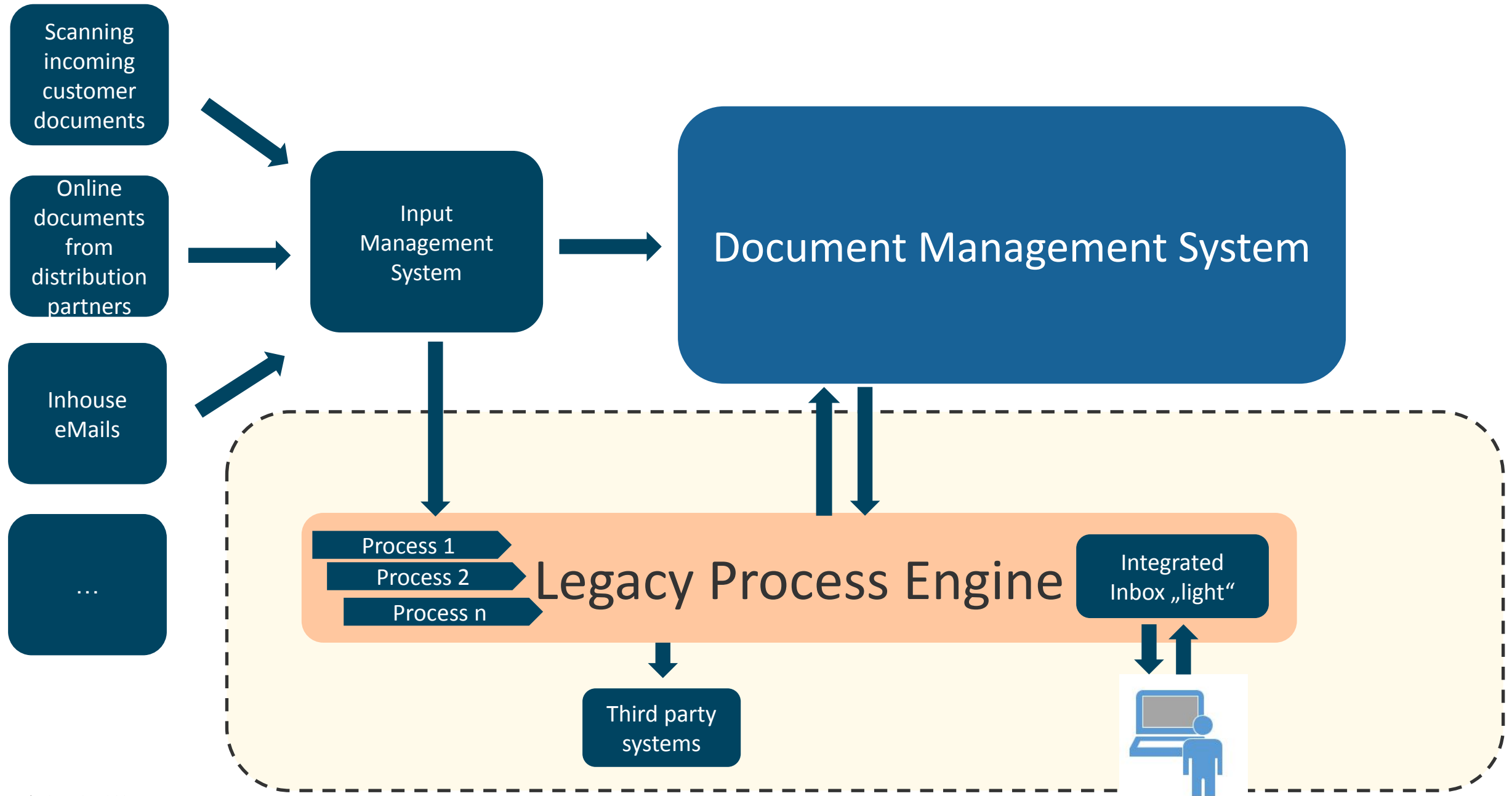
Münchener Hypothekenbank (MHB)

- **Münchener Hypothekenbank eG is the partner for the German cooperative banks (Volksbanken and Raiffeisenbanken) for all aspects of residential and commercial property financing.**
- **The Bank was founded as a cooperative bank in 1896 with the support of the Bavarian government.**
- **Over the years the Bank has evolved from its original agrarian orientation to become a modern mortgage bank that is active in both national and international markets.**
- **Furthermore, MünchenerHyp has retained its legal status as a registered cooperative since it was founded and is one of the few remaining independent mortgage banks in Germany today.**
- **Total of 600+ employees**

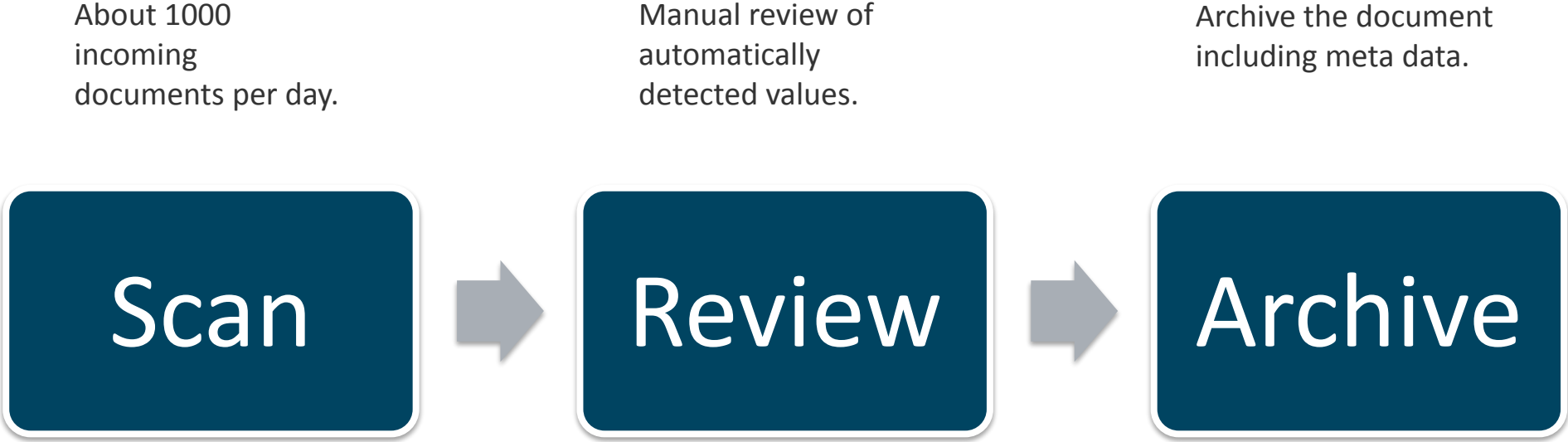
Starting position



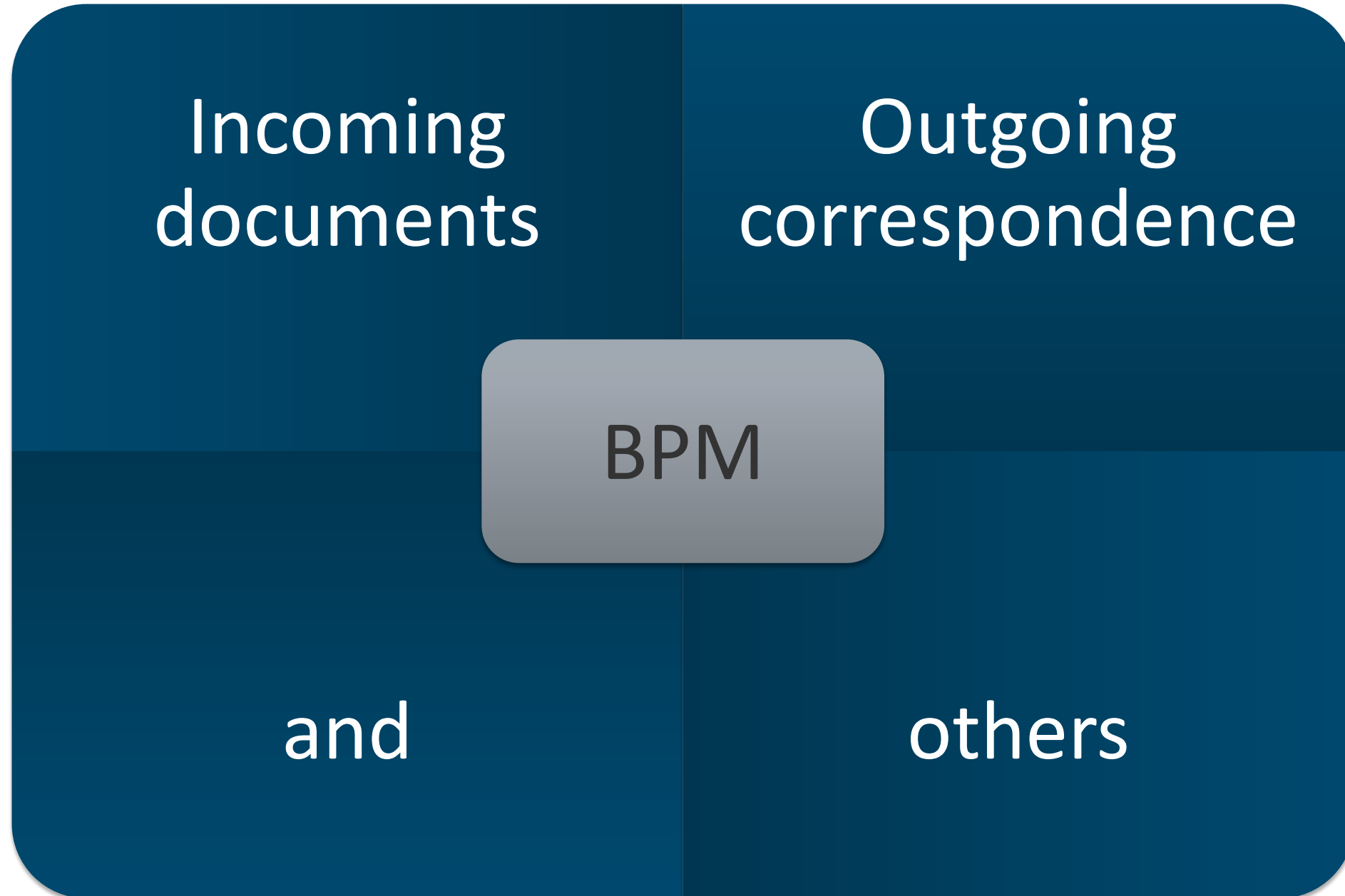
The status before Camunda (2018)

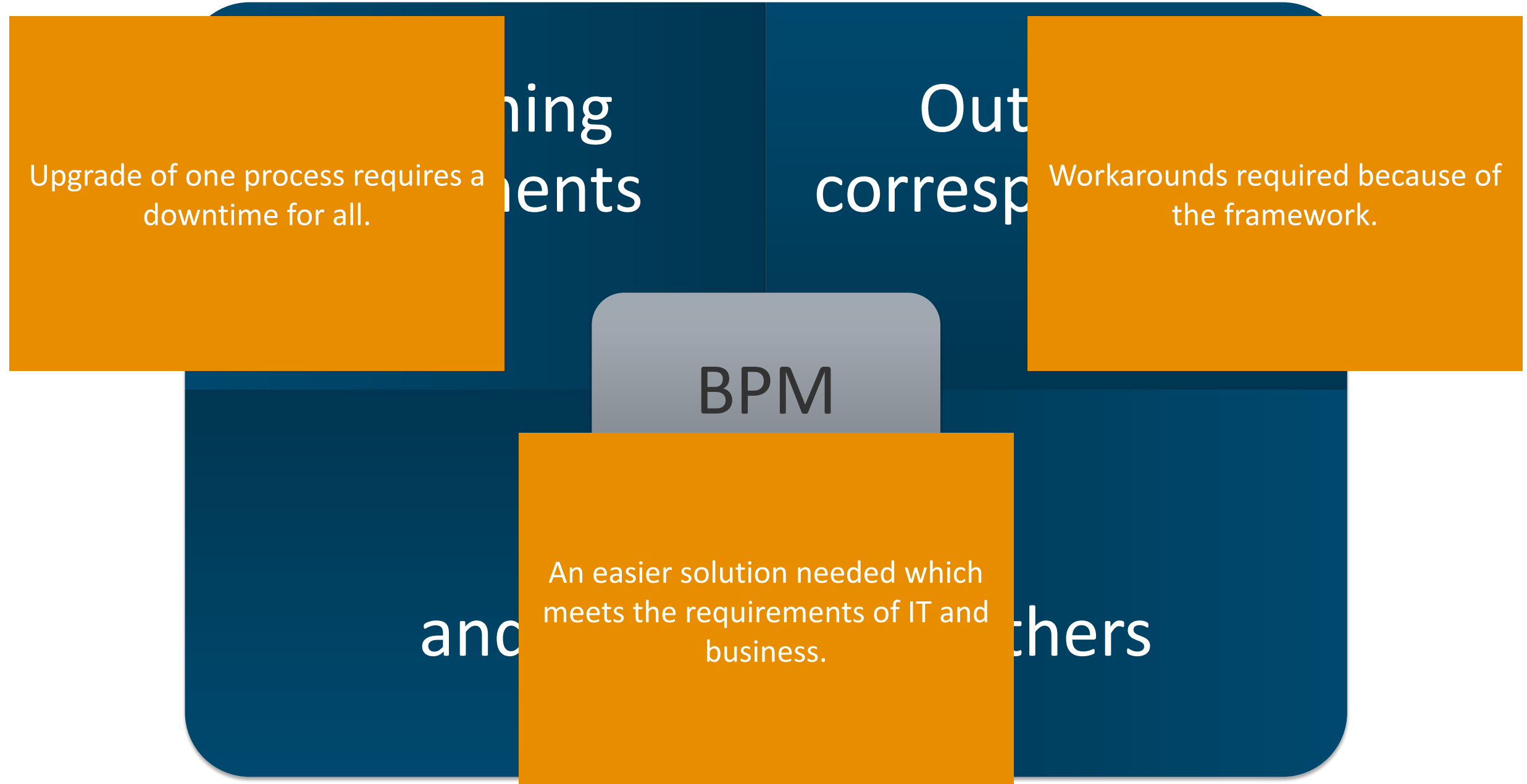


First digital process for incoming letters

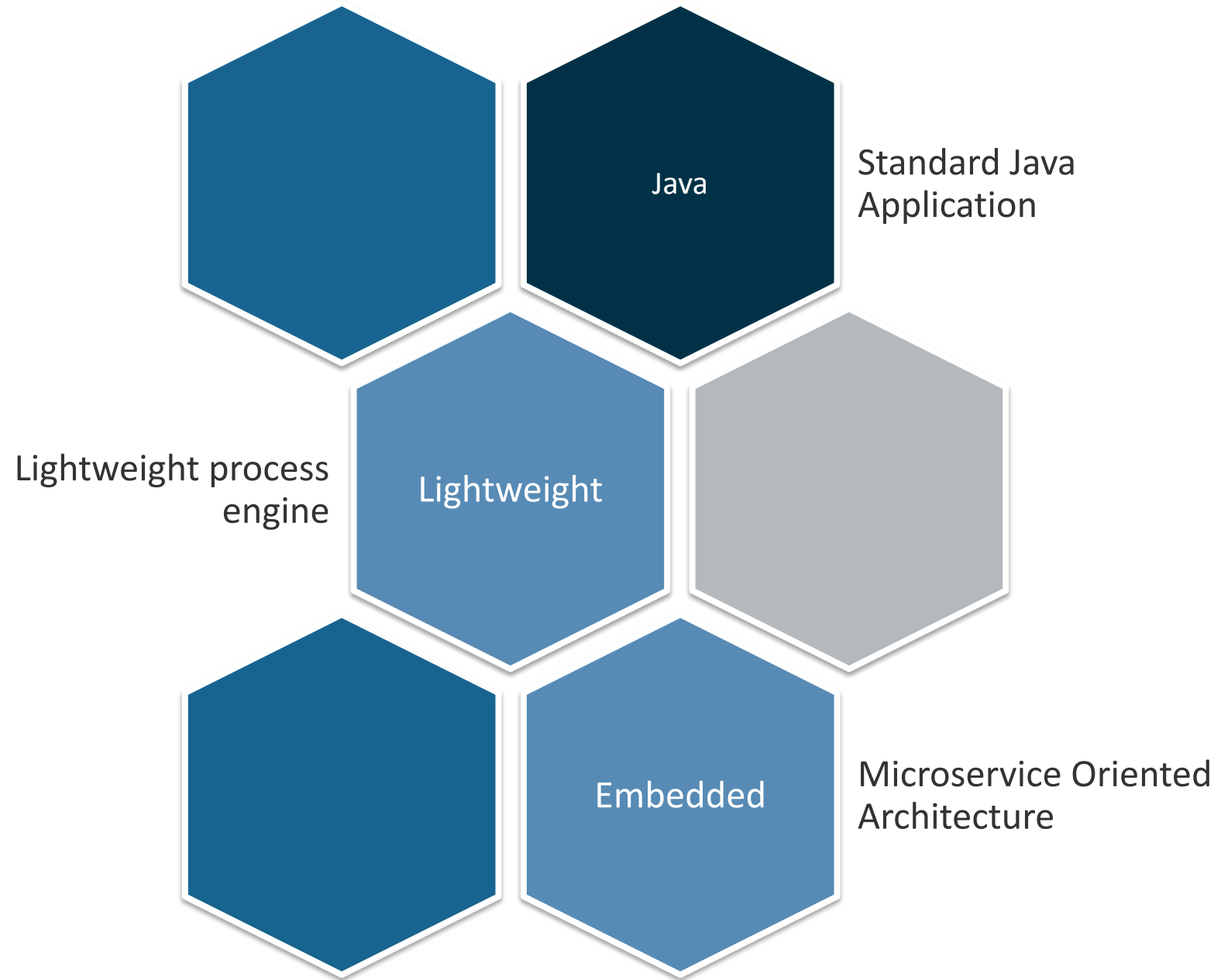


The number of processes grows....





Why Camunda?





Tasklist – One to rule them all...



All tasks for a user in one place

- Camunda user tasks
- Legacy tasks supported
- Third party tasks

A plenty of features for working on tasks

Erstellt	Wiedervorl.	1.Empf.	Akquisitionsstelle	Verwendungszweck	Fälligkeit	Vermittler	Weitergeleitet von	Aufgabedetails	Status
01.09.2021 14:59	k.A.	Alexander Sopicki	Münchner Hyp eG Re...	Kauf	k.A.		Alexander Sopicki		
01.09.2021 11:27	k.A.	Alexander Sopicki	Münchner Hyp eG Re...	Kauf	k.A.				
26.08.2021 08:43	k.A.	Alexander Sopicki			k.A.				
05.08.2021 12:26	k.A.	Alexander Sopicki	Name12493 Name11...	Kauf	k.A.				
03.08.2021 16:25	k.A.	Alexander Sopicki	Name12493 Name11...	Kauf	k.A.				
26.07.2021 08:27	k.A.	Alexander Sopicki	Name12493 Name11...	Kauf	k.A.				
21.06.2021 13:09	k.A.	Alexander Sopicki	Name12493 Name11...	Kauf	k.A.				
21.06.2021 13:08	k.A.			Verkauf	k.A.		Alexander Sopicki		

Collaboration with colleagues

Easy access to task details & inplace editing

Bemerkung: Bemerkungen hier eintragen

Notiz: Notiz hier eintragen

Historie:

Wiedervorlage: k.A.

Auftrag erstellen:

7865421

Grundbuchanfrage

Grundbuchanfrage

Darlehensnummer: 7865421
Darlehensnehmer:
Ersteller: Alexander Sopicki (aso, Interne MA)
Datum / Uhrzeit: 16.09.2021 13:51
Letzter Bearbeiter: Alexander Sopicki (aso, Interne MA)
Beleihungsobjekt: 12068 München, Musterweg 71

Micro Frontend Pattern

Anforderungsart

unbeglaubigte Grundbuchblattabschrift
 Aktualitätsnachweis*: k.A. (Datum letzte Änderung)

***sofern Datum aktuell abweicht, bitte Grundbuchblattabschrift einholen**

Eigentümer: Eigentümer
Bundesland: bitte wählen
Amtsgericht(-sbezirk): Name
Grundbuchamt: Name
Grundbuch von: Ort
Grundbuchblatt/Nummer: Nummer

Berechtigtes Interesse für die Anfrage besteht wegen*

Dingliche Berechtigung (= Grundpfandrecht z.G. MHB bereits im Grundbuch eingetragen)
 Dingliche Berechtigung (= privatschriftliche Abtretung + Grundschuldbrief im Original liegt vor)

Prozess-Version: 1.1.2-SNAPSHOT

Aufgabe: Grundbuchanfrage
Darlehensnummer: 7865421
Darlehensnehmer:
Ersteller: Alexander Sopicki
Bearbeitungsstand: Erstellt

Finanzprojekte öffnen
 Darlehen in SAP öffnen

GV-Art: GV-Art auswählen

bitte benachrichtigen
 Auftrag abschließen

Nächsten Bearbeiter auswählen

Verwerfen

Zuweisen

Aufgabe: Auftrag

Erstellt: 16.09.2021 13:51

Status: Aktiv

Fälligkeit: k.A.

Aufgaben-ID: 6604d584-16e4-11ec

Prozess ID: 6600b6cd-16e4-11ec

Bearbeiter: Alexander Sopicki

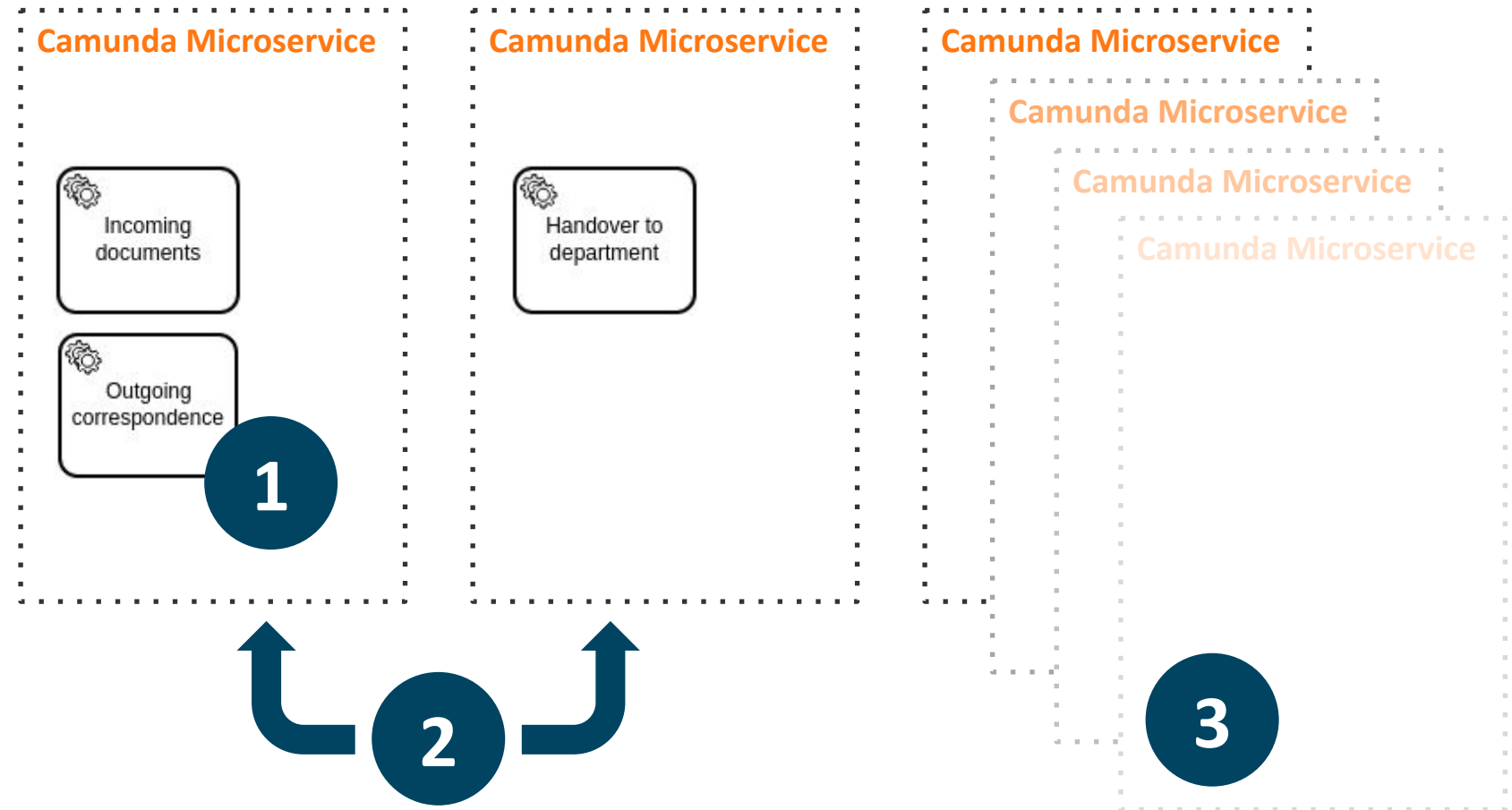
Tasklist-Version: 1.4.0-SNAPSHOT

Weiterleiten

Abbrechen

Taskform micro frontend owned by Camunda microservice
Seamless integration into tasklist UI

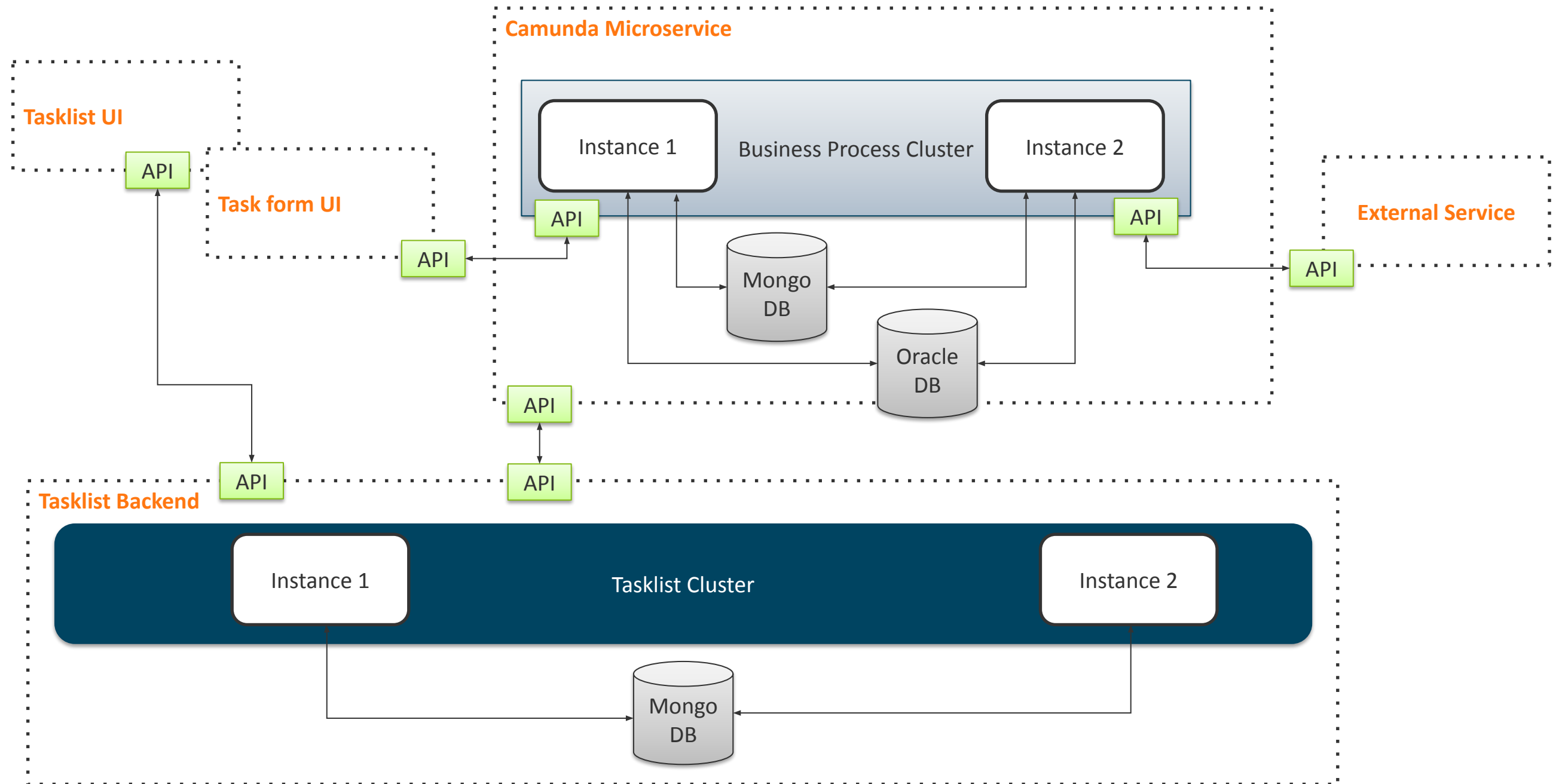
According to Camunda's recommendations...



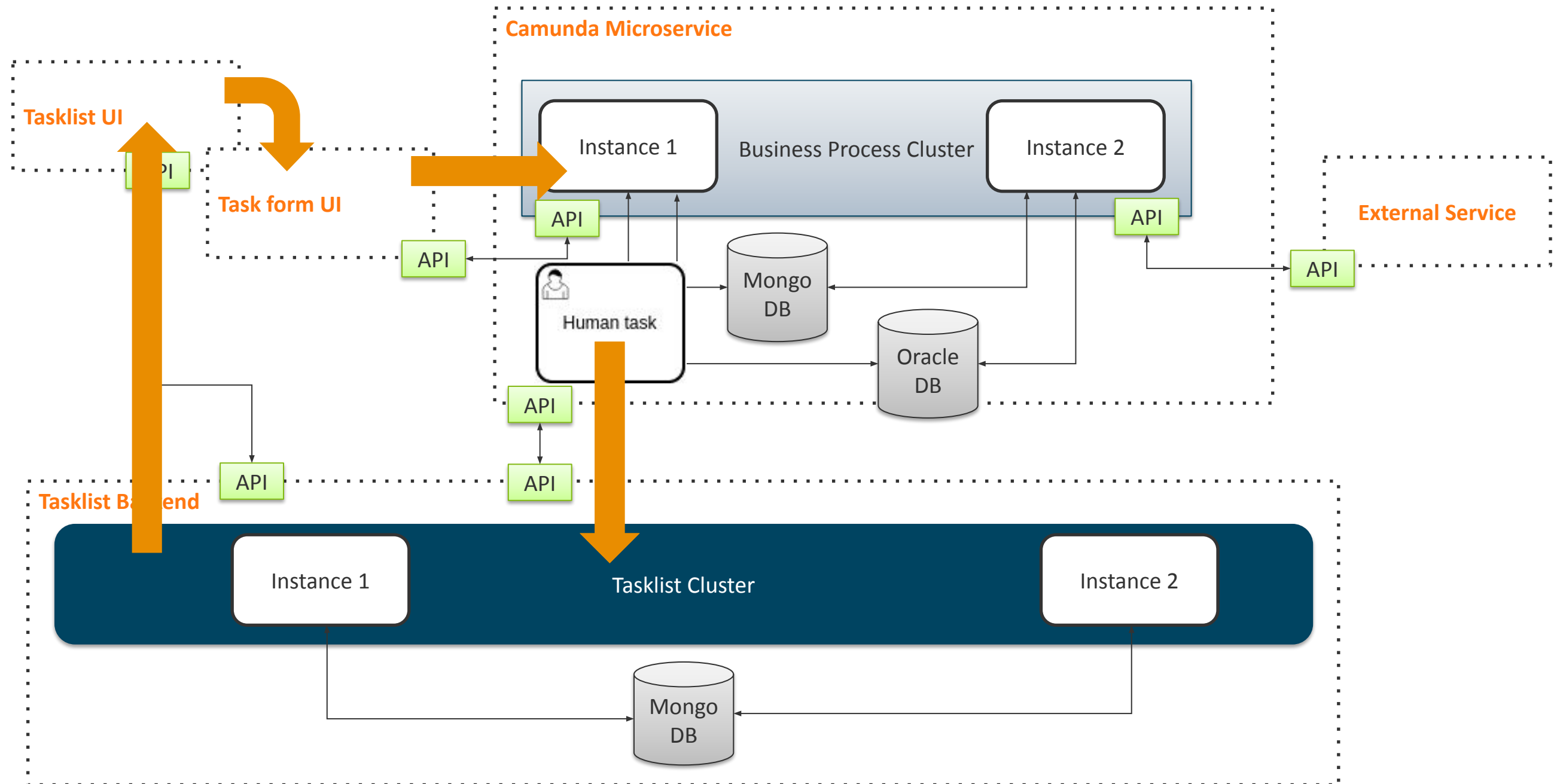
<https://martinfowler.com/articles/microservices.html>:

1. Small services, built around business capabilities
2. Independently deployable
3. Autonomy of teams

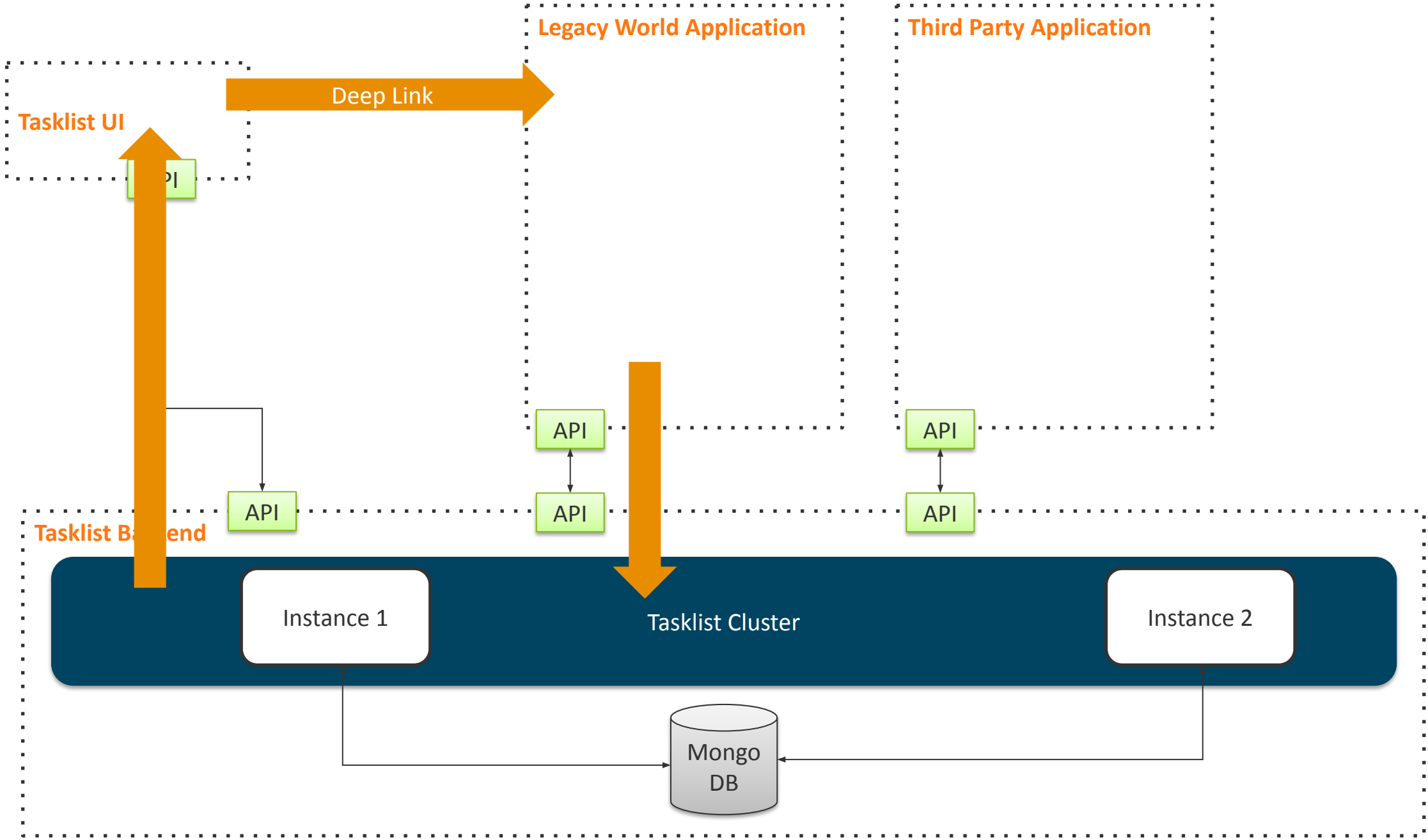
Microservice Oriented Architecture with Camunda



Microservice Oriented Architecture with Camunda



Legacy World Transition





- Business process status
- Incident management
- Batch operations

- Set policies for cleanup
- Integrate with your business application

Ea

- Integrate latest version
- Run database migration
- Migrate previous process version (optional)

- Process reports
- Detailed reports via Optimize
- Heatmaps

tion



B

- Easy modelling of the business process
- Automate as much as possible
- Easy to integrate
- Focus on business requirements

e



More
processes

Integration

API-Gate
way

Docker

Cloud



2019

- 1 internal developer
- 1 business analyst
- 3 external developers

Today

- 5 internal developers
- 1 business analyst
- 1 external developer (for special tasks)



Question and Answers