Flows for APEX 23.1

Open source BPMN 2.0 based process engine

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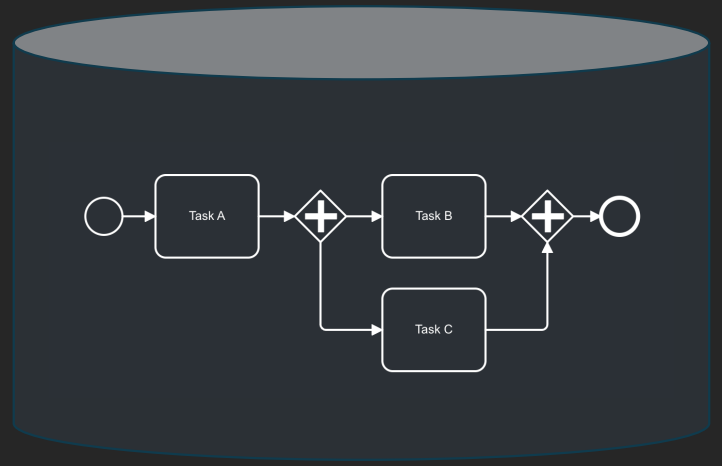
What is Flows for APEX?

Flows for APEX is an enterprise process engine that

- runs completely in Oracle 19+ with APEX 20.2+
- supports the BPMN 2.0 industry standard
- provides APEX plug-ins for a seamless integration with your APEX apps
- ships with an APEX app to manage process diagrams and monitor instances
- comes with a sample APEX app "Expense Claims"
- was build by the community for the community
- comes with a PL/SQL and REST API
- is open source (commercial support available)
- can be installed in your APEX workspace within minutes
- stores all process/business data in your workspace schema
- integrates with APEX Workflow in APEX 23.2+

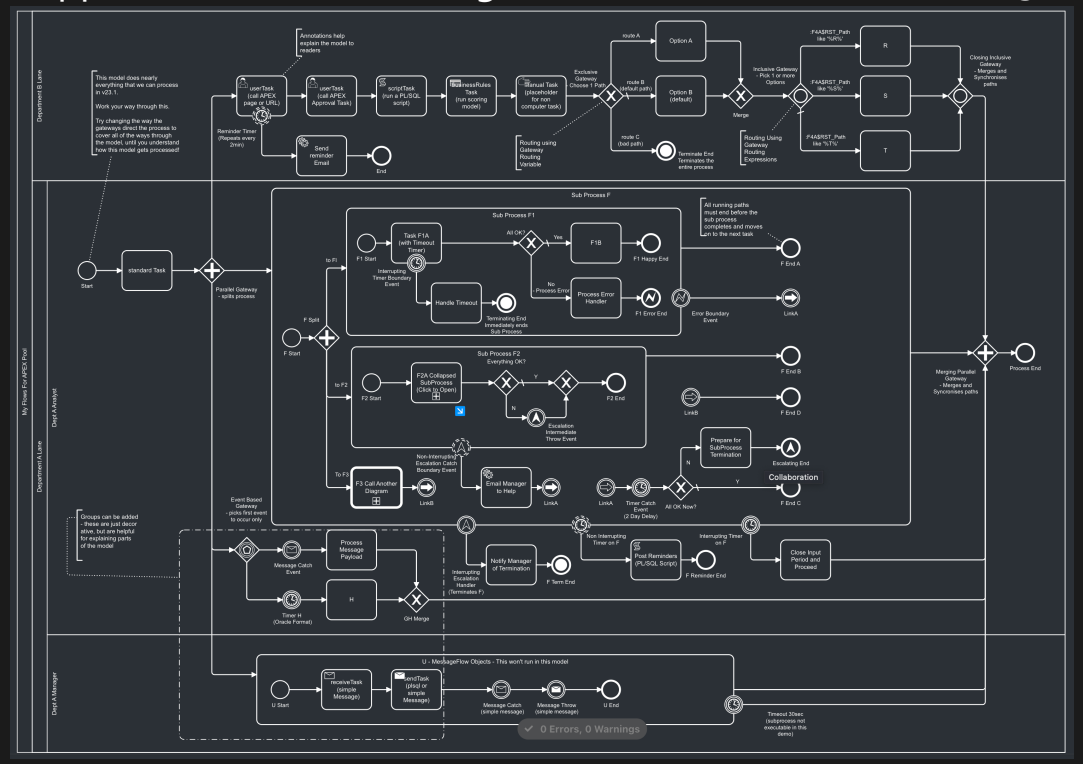


Who is working with Flows for APEX?

A Business Analyst

- may model complex diagrams without APEX knowledge
- can export/import existing BPMN 2.0 models
- can version diagrams
- can break up diagrams in smaller ones that call each other and are reusable (aka. "Call Activity")

Supported BPMN modeling elements in Flows for APEX 23.1



Who is working with Flows for APEX?

An APEX Developer

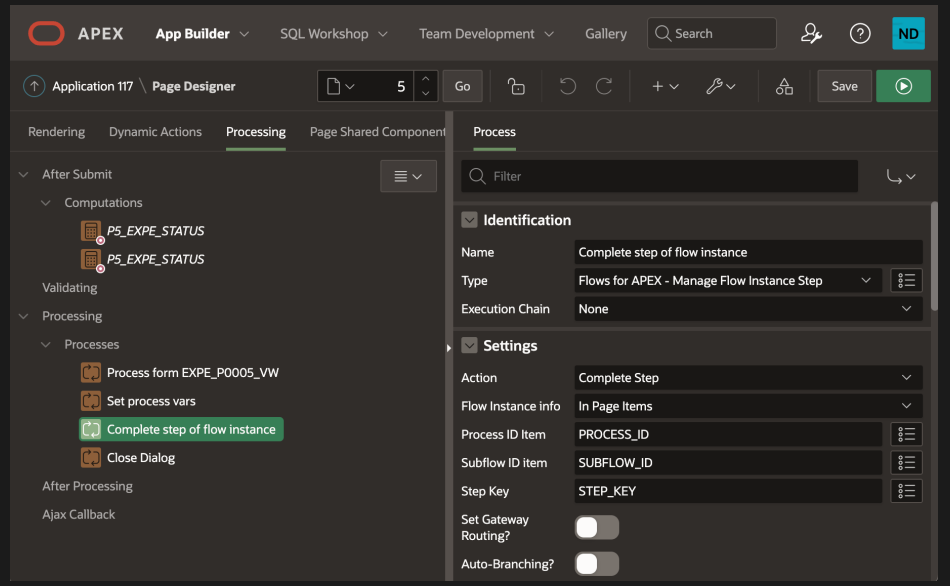
- utilizes plug-ins to integrate Flows for APEX in their own app
- implements a task in the process by leveraging APEX or PL/SQL
  - use an APEX page or APEX approval for a user task
  - use APEX mail template for a service task
  - use APEX automation to kick-off a process
  - use PL/SQL for more complex logic
- interacts with 3th party systems through REST
- clean separation between process and app logic
  - process variables lets you store information on process instance level
- commit with the business transaction
- Flows for APEX app supports 10 languages

PL/SQL API

```
declare
   l_prcs_id flow_processes.prcs_id%type;
begin
   l_prcs_id := flow_api_pkg.flow_create(
        pi_dgrm_name    => 'My Model'
      , pi_dgrm_version => '0'
      , pi_prcs_name    => 'My Instance Name'
   );

   flow_api_pkg.flow_start(
     p_process_id => l_prcs_id
   );
end;
```

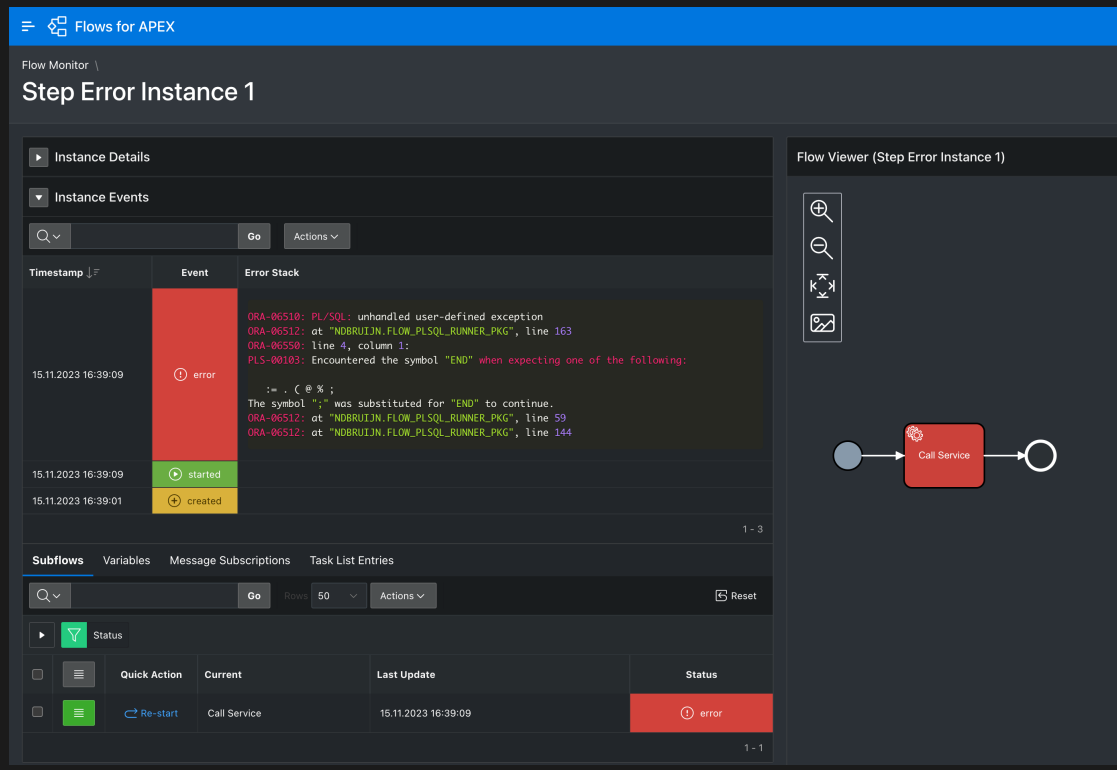
Process Plug-In "Manage Flow Instance Step"



Who is working with Flows for APEX?

A Process Administrator

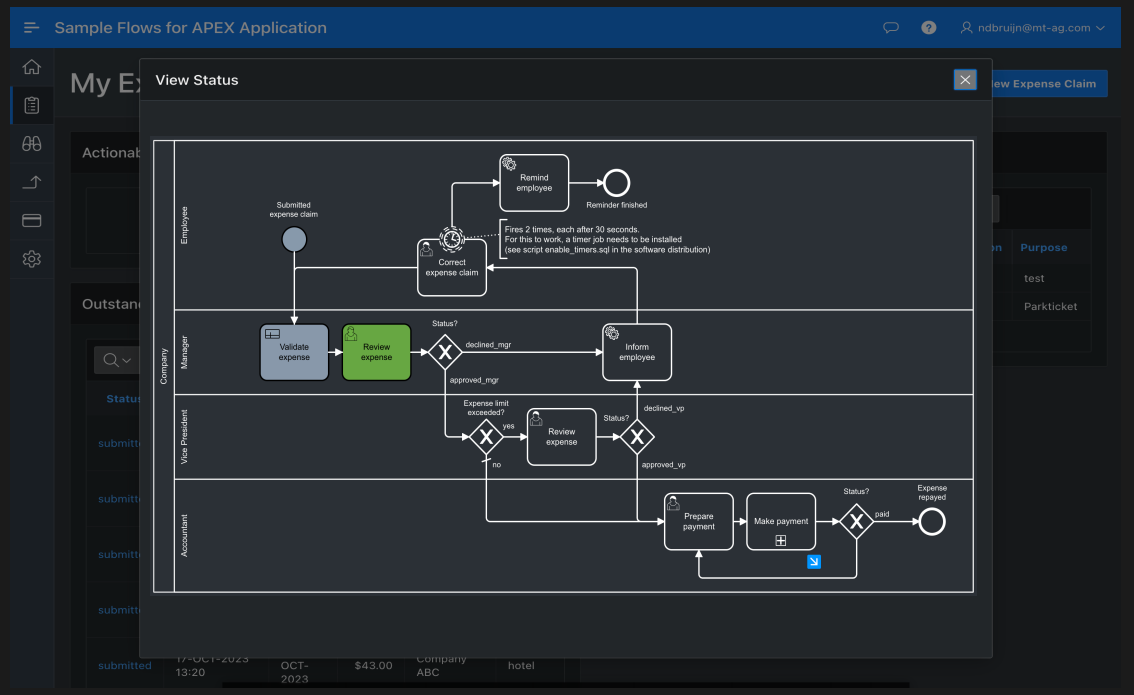
- can operate on all running instances
- gets extensive auditing information on instance and step level
- is provided with performance statistics (may leverage these for custom reporting)
- is able to rerun a step if required
- can stage a diagram
- can optionally archive logs to OCI



Who is working with Flows for APEX?

An End User

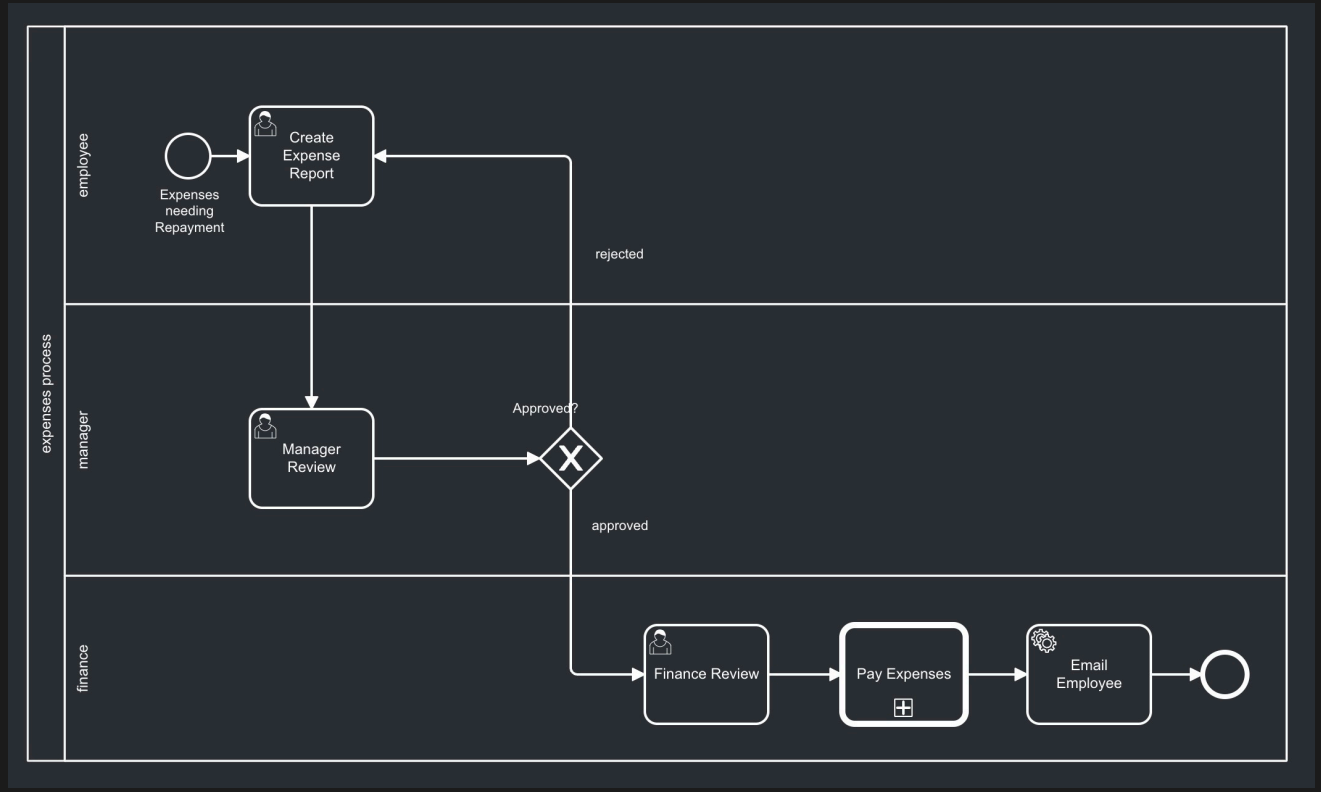
- can be provided a single inbox containing all his tasks
- can see where the process resides, and which steps are outstanding



See it in action

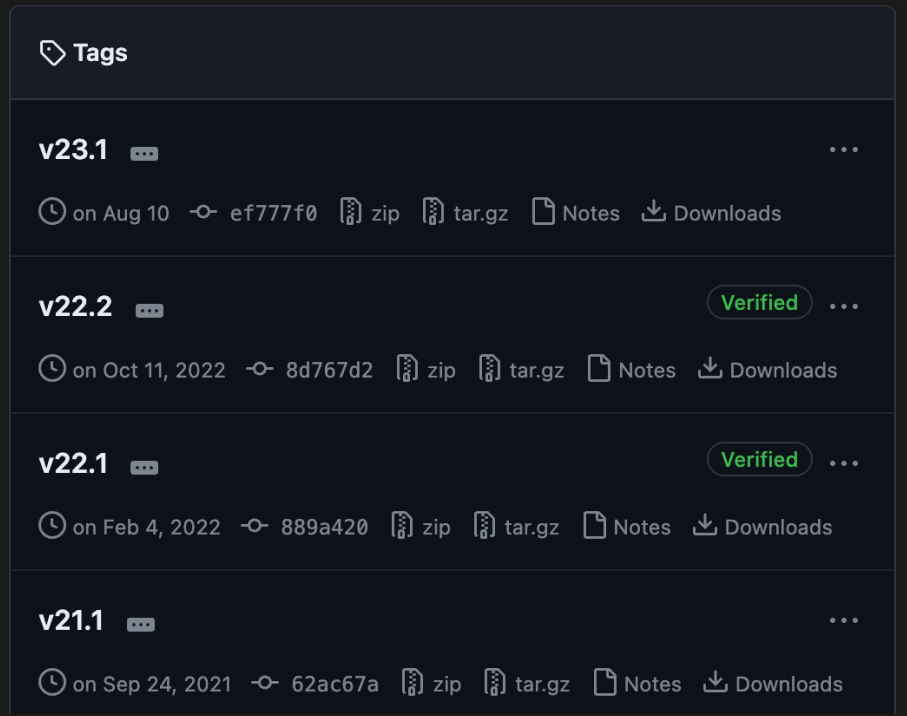
Let's start by

- building a simple process diagram
- creating a basic APEX app for the user tasks
- setup communication back and forth
- run the process and monitor the instance

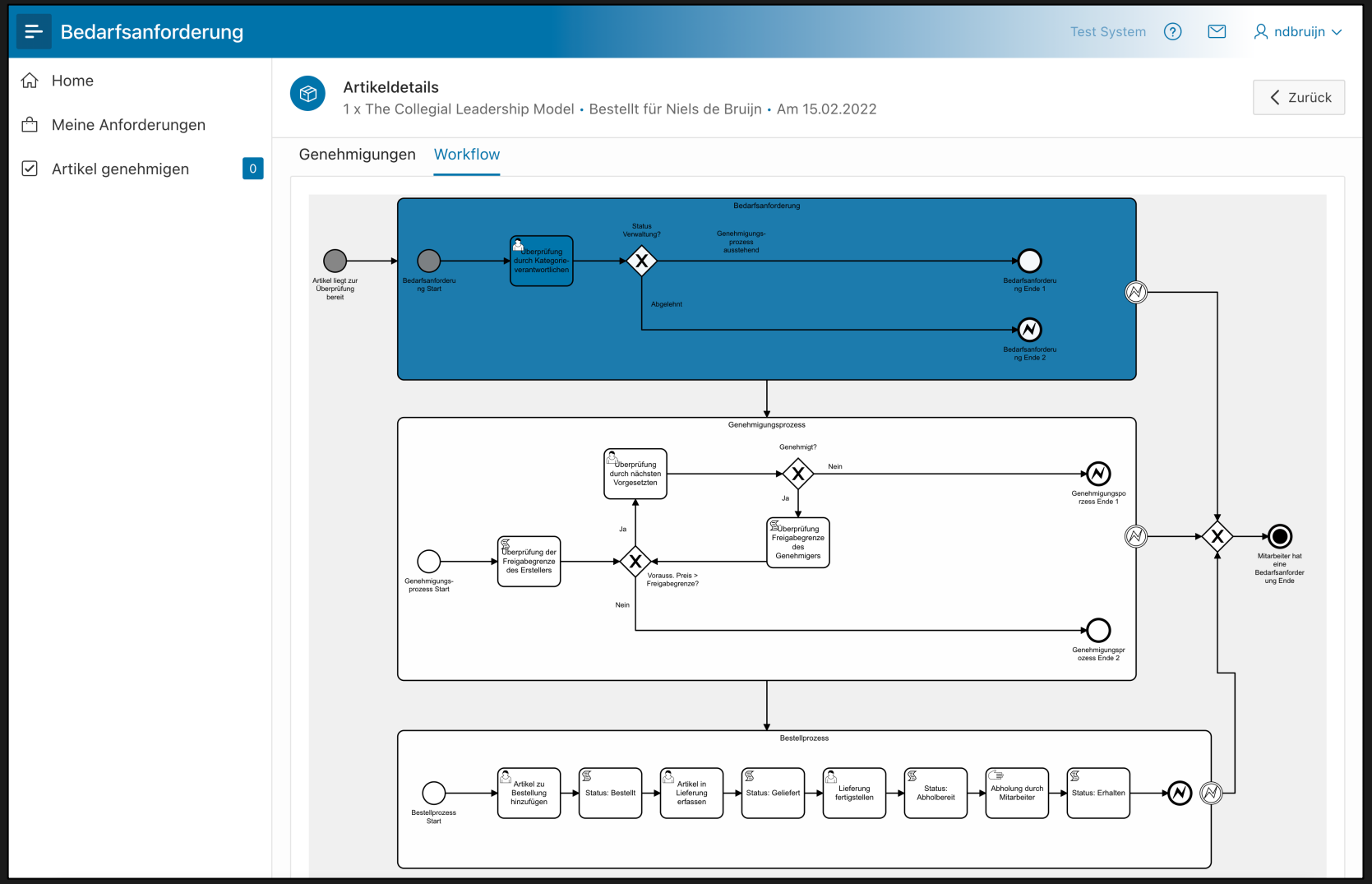


Some stats

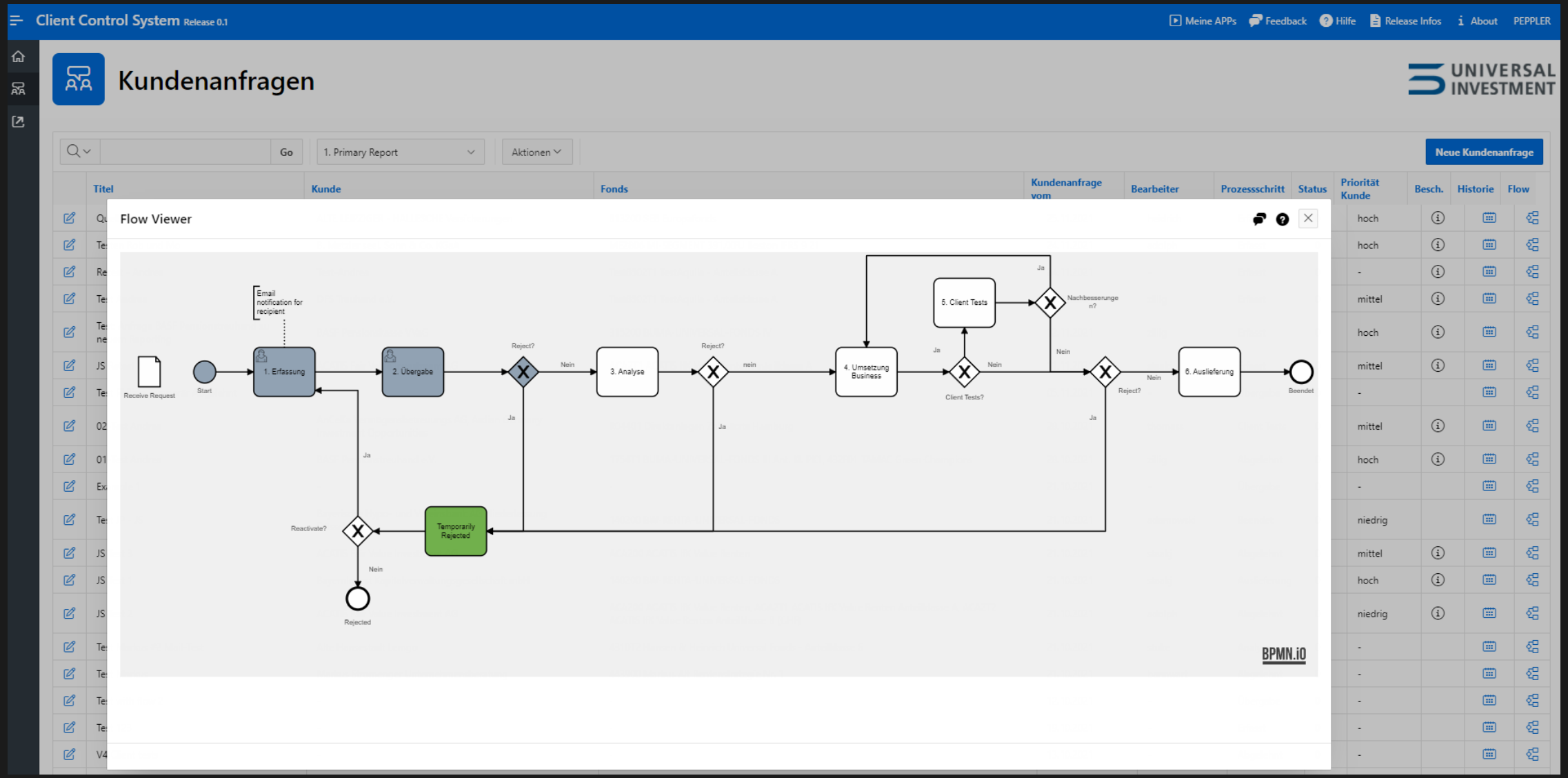
- First release in 2020
- Starting with 2023, one major release planned each year
  - Bug fixes until release only for customers with a support contract
- 350+ automated test cases based on utPLSQL implemented (75% code coverage)
- 8,000+ downloads across all releases
- 560+ subscribers for the newsletter
- 50+ implementation projects (we are aware of)
  - some of them having 200,000+ instances



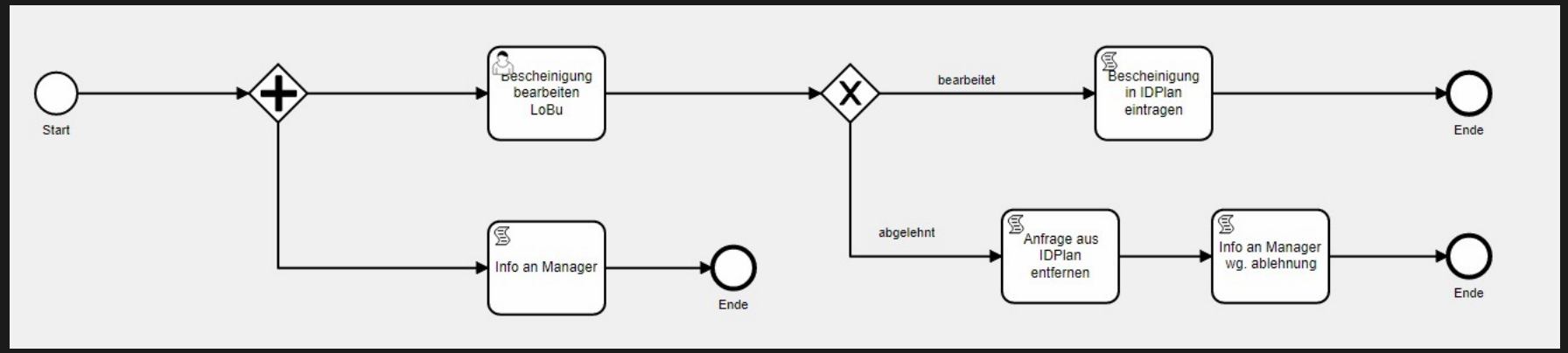
MT - IT Solutions

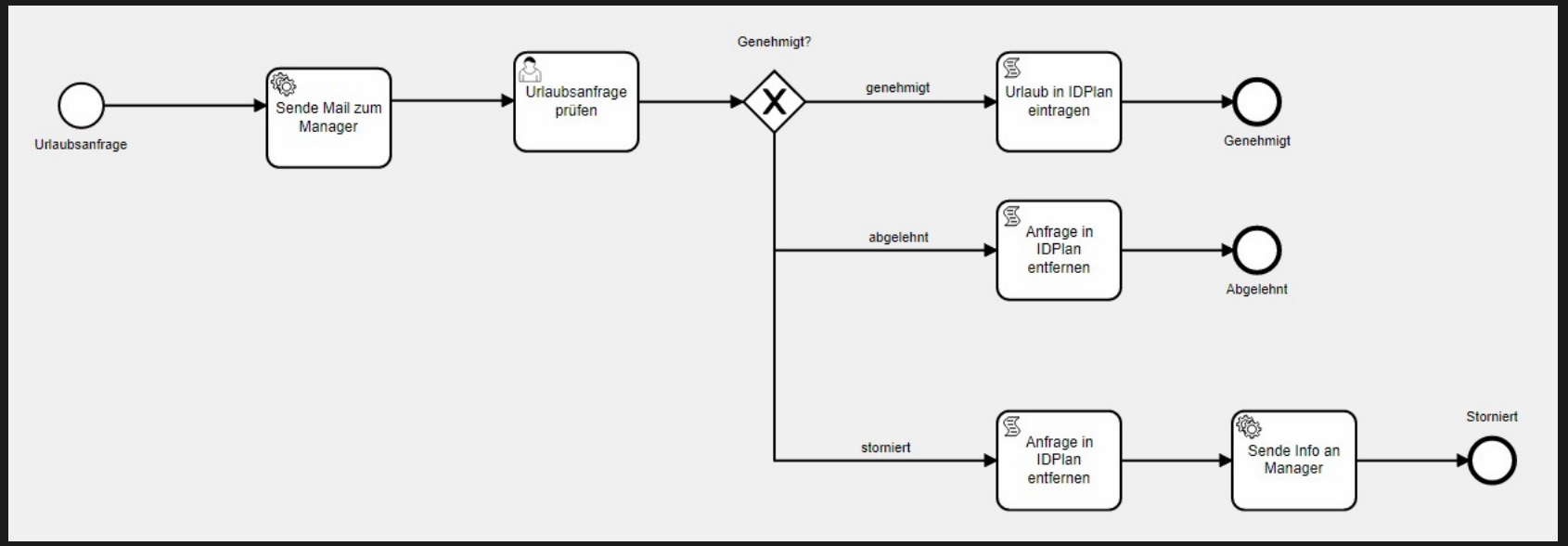


Universal Investment

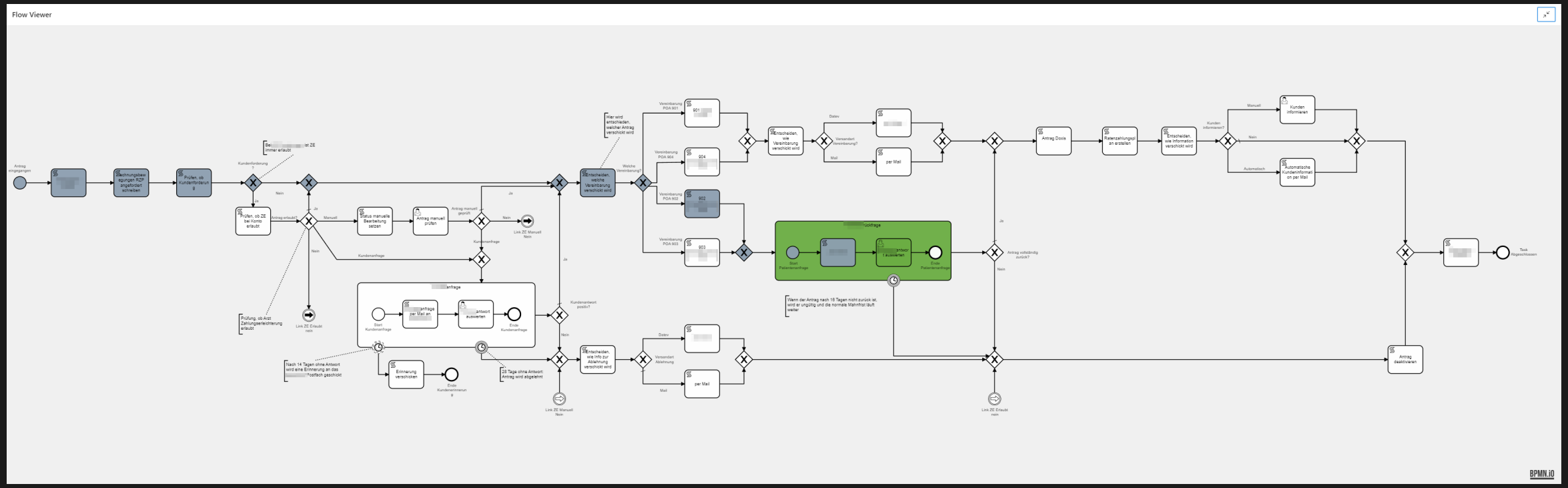


Siebenwurst

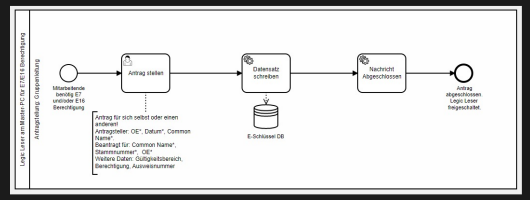


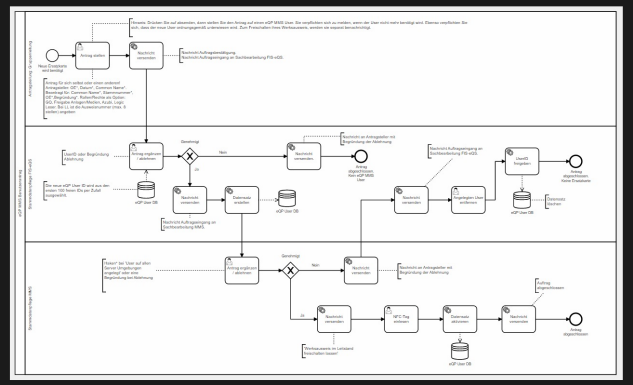


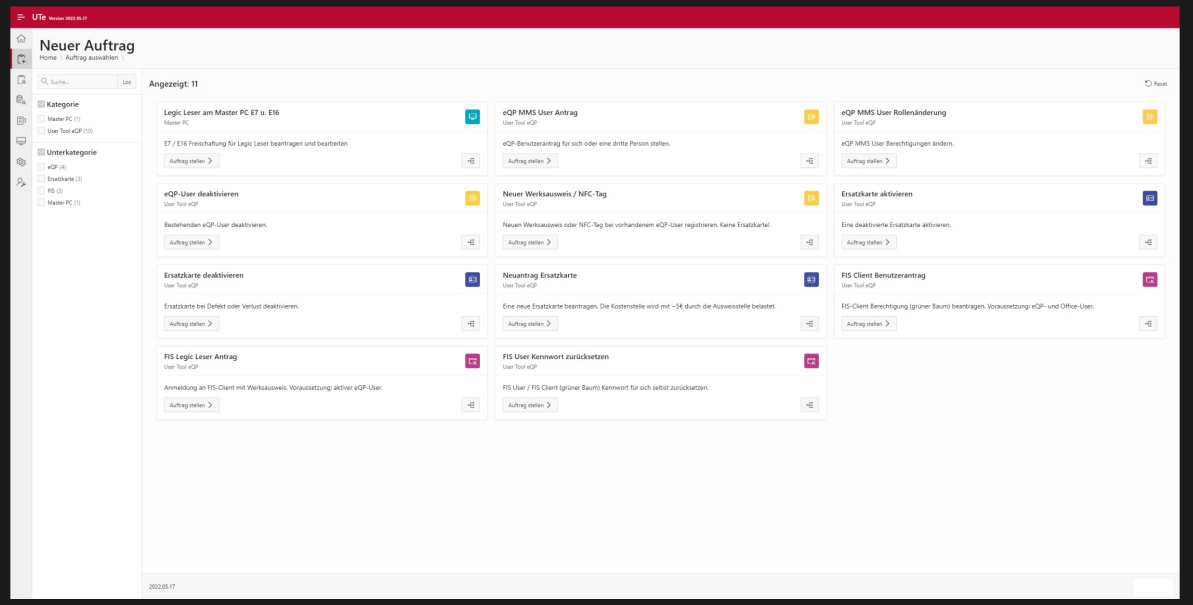
Büdingenmed

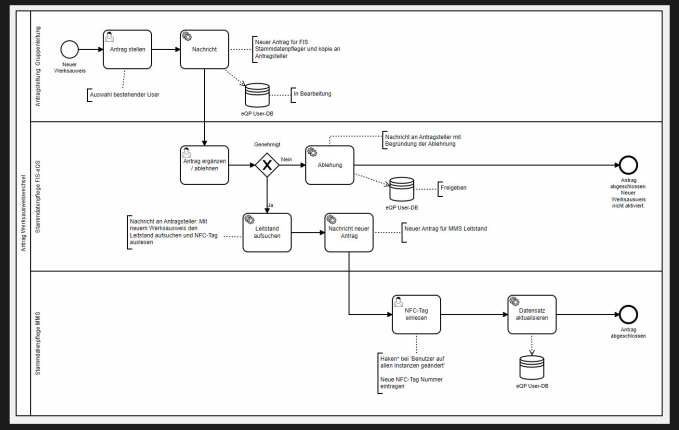


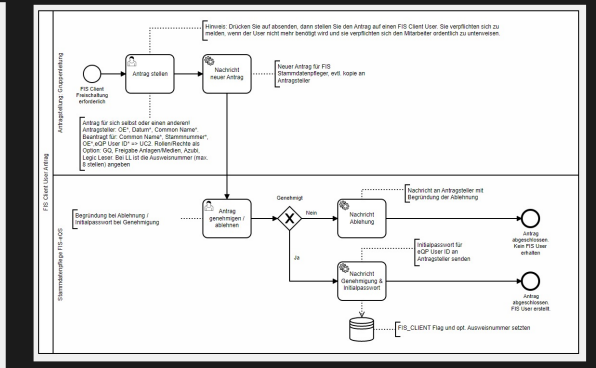
Automotive

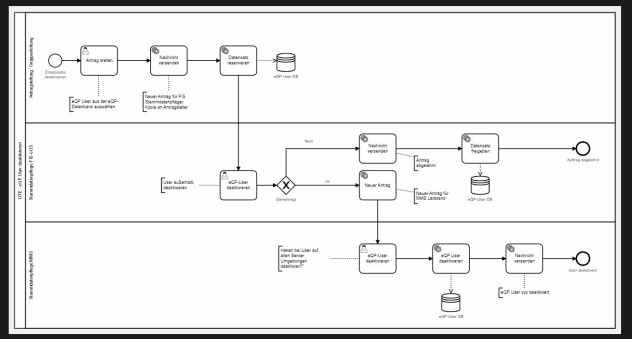





UTe
Neuer Auftrag
Home / Auftrag auswählen
Angezeigt: 11
Kategorie
Unterkategorie
Legic Leser am Master PC E7 u. E16
eQP MMS User Antrag
eQP MMS User Rollenänderung
eQP-User deaktivieren
Neuer Werksausweis / NFC-Tag
Ersatzkarte aktivieren
Ersatzkarte deaktivieren
Neuantrag Ersatzkarte
FIS Client Benutzerantrag
FIS Legic Leser Antrag
FIS User Kennwort zurücksetzen



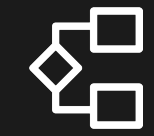




Possible Features 24.1+

- Message Flows (phase 2)
- Support for an installation in a centralized schema
- Native support for BPMN iterations by the Flows for APEX engine
- Support for escalation boundary events
- Enhanced APEX Workflow integration
- Pre-built connectors to declaratively call common REST services

Tell us what you need (and thereby supporting this project)!



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