

SO Workflow Monitoring for Casablanca

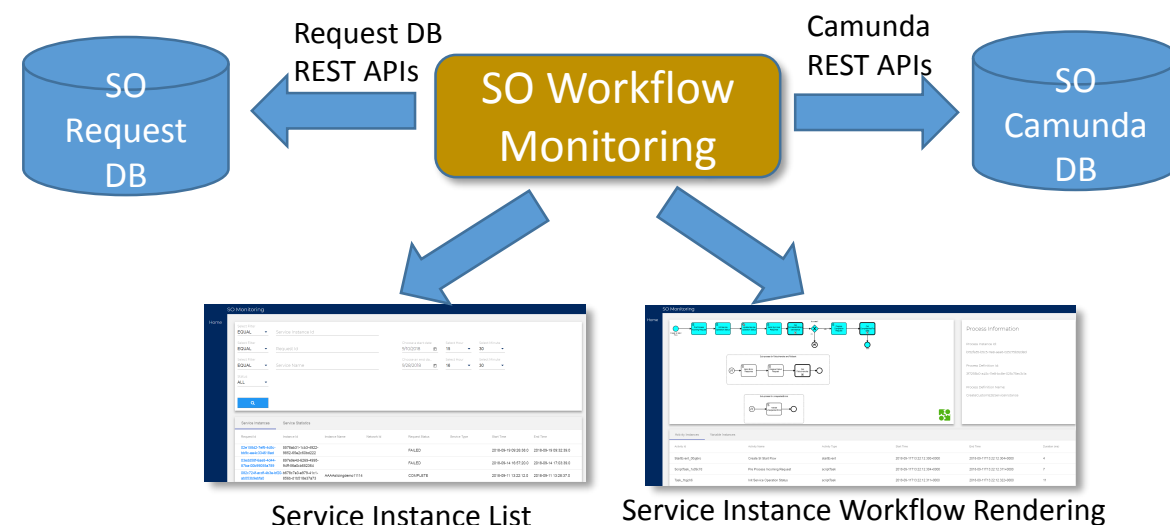
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Date , 2018-10-29

SO Workflow Monitoring Use Case

- SO Workflow Monitoring has been a pain point since the first ONAP SO release.
- Camunda Cockpit-based Monitoring has shortcomings.
 - Requires the user Workflow design/relationship knowledge for service monitoring
 - Needs to go through tedious manual search; finding workflow definitions, corresponding instances, so on
- SO Workflow Monitoring:
 - Allows SO clients (VID, UII and External Apps) to monitor Workflows based familiar search criteria.
 - Provides search connections between service requests and workflows instances in an automated fashion
 - Navigates parent and child workflows
 - Shows workflow activity paths for trouble shooting
 - Works for both Camunda Community and Enterprise editions by leveraging existing Camunda REST APIs

- Design
 - Leverage SO Request DB and create Service Instance List
 - For a selected service instance, find corresponding Workflow instances from Camunda DB
 - By using Camunda Rest APIs, display workflow instance details (Activity Instances, Process Variables)
 - By using activity instance data, provide navigation between parent and child workflows



SO Workflow Monitoring - Service Instance List

SO Monitoring

Home

Select Filter
EQUAL Service Instance Id

Select Filter
EQUAL Request Id

Select Filter
EQUAL Service Name

Status
ALL

Choose a start date
9/10/2018

Select Hour
15

Select Minute
30

Choose an end da...
9/28/2018

Select Hour
16

Select Minute
30

Search button

Default Search Criteria Panel

Service Statistics Panel

Service Instances | Service Statistics

Request Id	Instance Id	Instance Name	Network Id	Request Status	Service Type	Start Time	End Time
02e158d2-7ef6-4d5c- bb9c-ee4c334618ac	ab31-1cb3-4922- 5e2c60bd222			FAILED		2018-09-19 09:26:38.0	2018-09-19 09:32:39.0
03edd58f-6ae8-4d44- 87ba-00	6269-4995- 50004			FAILED		2018-09-14 16:57:20.0	2018-09-14 17:03:39.0
082c724- ab053b9				COMPLETE		2018-09-11 13:22:12.0	2018-09-11 13:28:37.0

Service Instance List Panel

SO Workflow Monitoring – Service Statistics

SO Monitoring

Home

Select Filter
EQUAL Service Instance Id

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30

Choose an end da...
9/28/2018

Select Hour
16

Select Minute
30

Service Instances **Service Statistics**

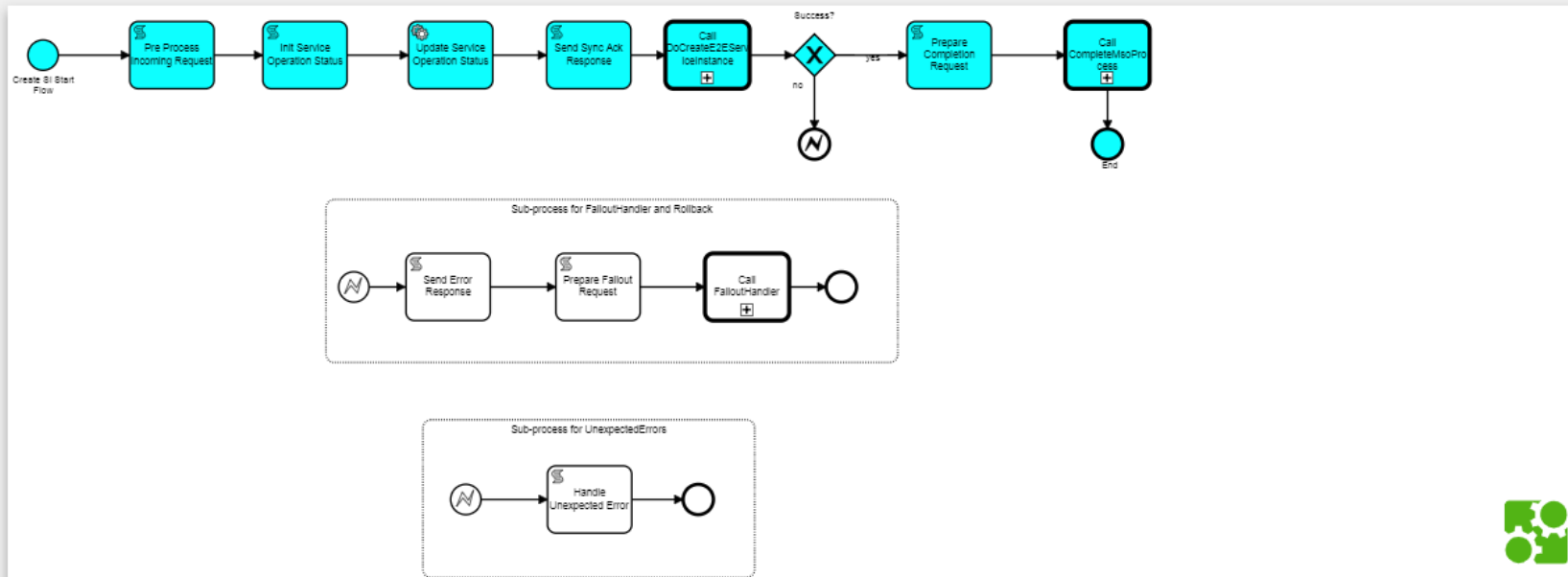
Total: 25

Complete: 19	76%
Failed: 6	24%
In Progress: 0	0%
Pending: 0	0%
Unlocked: 0	0%

SO Workflow Monitoring - Service Instance Rendering

SO Monitoring

Home



Process Information

Process Instance Id:
b152fa35-b5c5-11e8-aea6-025c75b92d8d

Process Definition Id:
3f7293b0-a45c-11e8-bc8e-025c75ec3c1a

Process Definition Name:
CreateCustomE2EServiceInstance

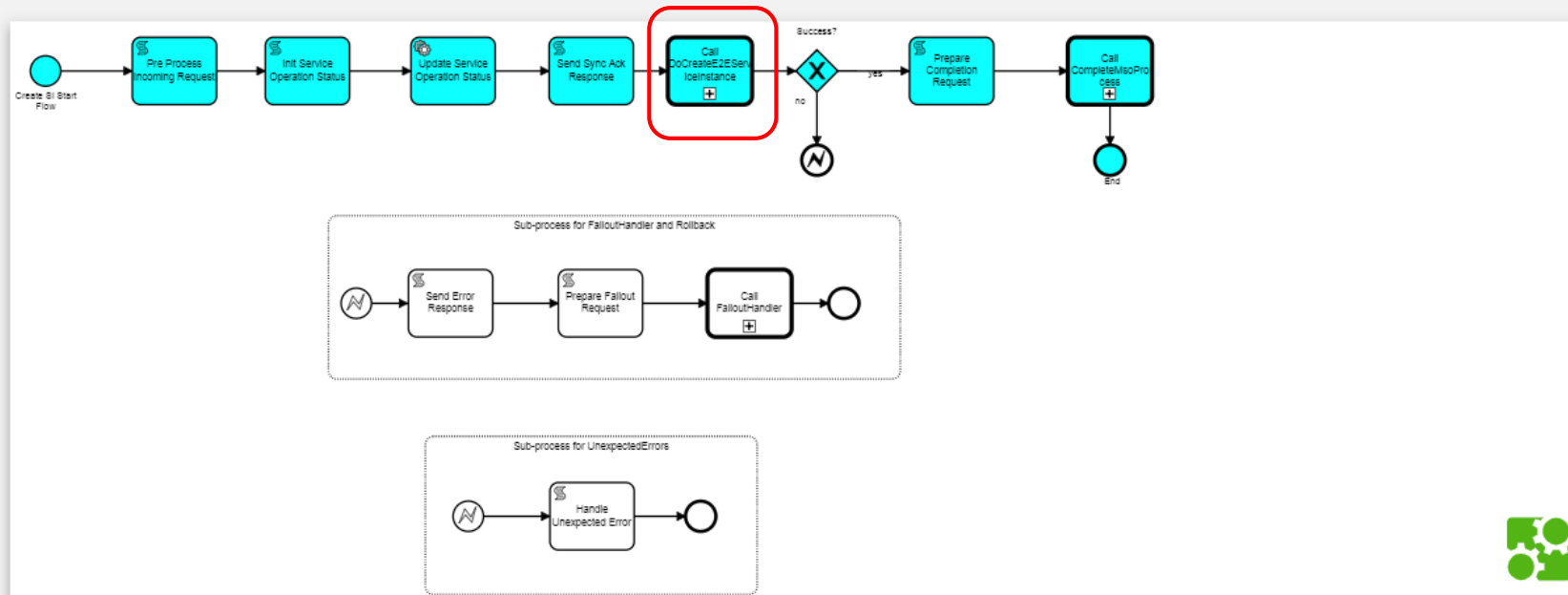


Activity Instances		Variable Instances			
Activity Id	Activity Name	Activity Type	Start Time	End Time	Duration (ms)
StartEvent_00qj6ro	Create SI Start Flow	startEvent	2018-09-11T13:22:12.300+0000	2018-09-11T13:22:12.304+0000	4
ScriptTask_1s09c7d	Pre Process Incoming Request	scriptTask	2018-09-11T13:22:12.304+0000	2018-09-11T13:22:12.311+0000	7
Task_1tqjch6	Init Service Operation Status	scriptTask	2018-09-11T13:22:12.311+0000	2018-09-11T13:22:12.322+0000	11

SO Workflow Monitoring – Parent-Child Navigation

SO Monitoring

Home



Process Information

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b152fa35-b5c5-11e8-aea6-025c75b92d8d

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CreateCustomE2EServiceInstance

Activity Instances

Variable Instances

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ScriptTask_1s09c7d	Pre Process Incoming Request	scriptTask	2018-09-11T13:22:12.304+0000	2018-09-11T13:22:12.311+0000	7
Task_1tqjch6	Init Service Operation Status	scriptTask	2018-09-11T13:22:12.311+0000	2018-09-11T13:22:12.322+0000	11

SO Workflow Monitoring Microservice

