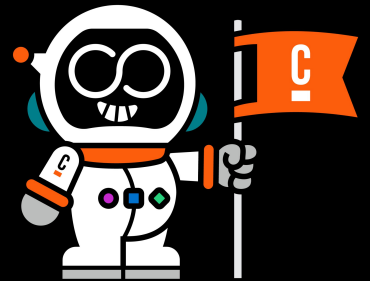


CAMUNDA
CON 2025
AMSTERDAM

Camunda Process Test (CPT)

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Camunda Process Test (CPT)



New

Java library for
process testing

Java

Spring

Release: 8.8

Full Camunda
stack

Tests
=
Java code
(JUnit)

Replaces Zeebe
Process Test
(ZPT)

Agenda



Process testing



Live coding



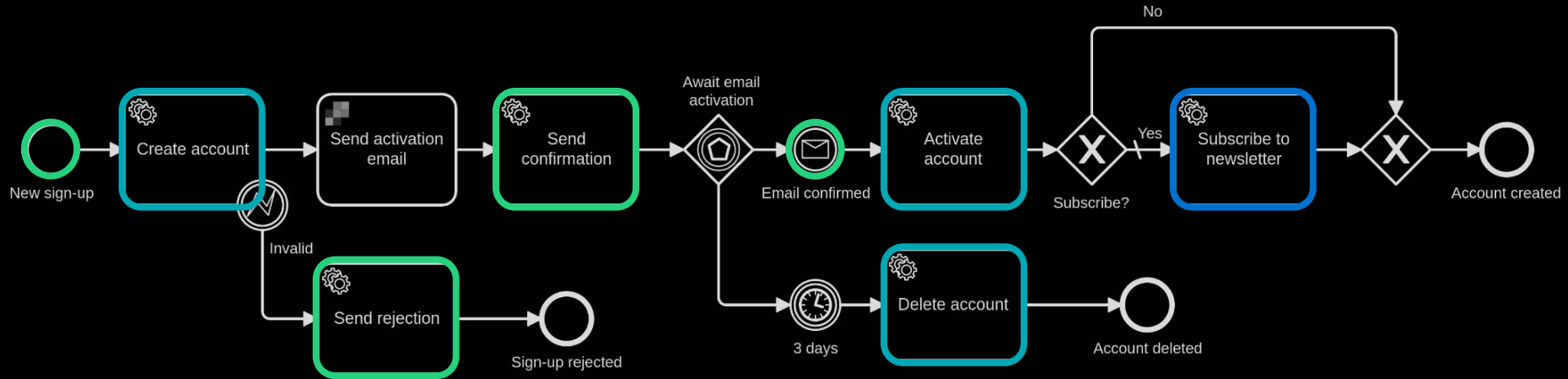
Deep dive



Outlook

Process testing

Scenario: Sign-up process



Backend service

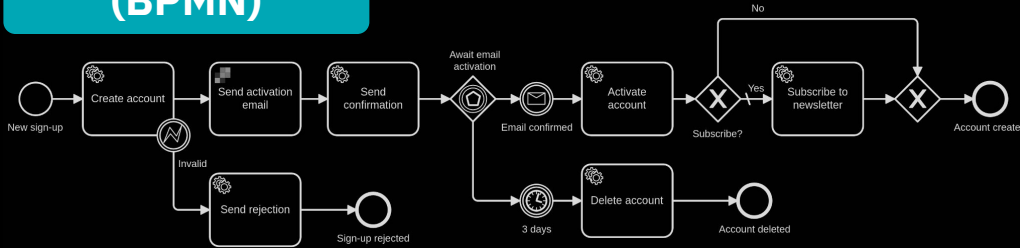
Account service

Subscription service

What is process testing?



Process (BPMN)



Unit tests

Process tests

Integration tests

Job workers

Connectors

Execution / Task listeners

Services (Business logic)

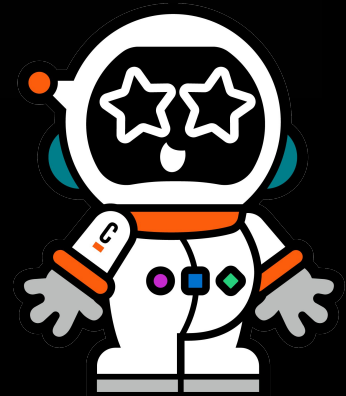
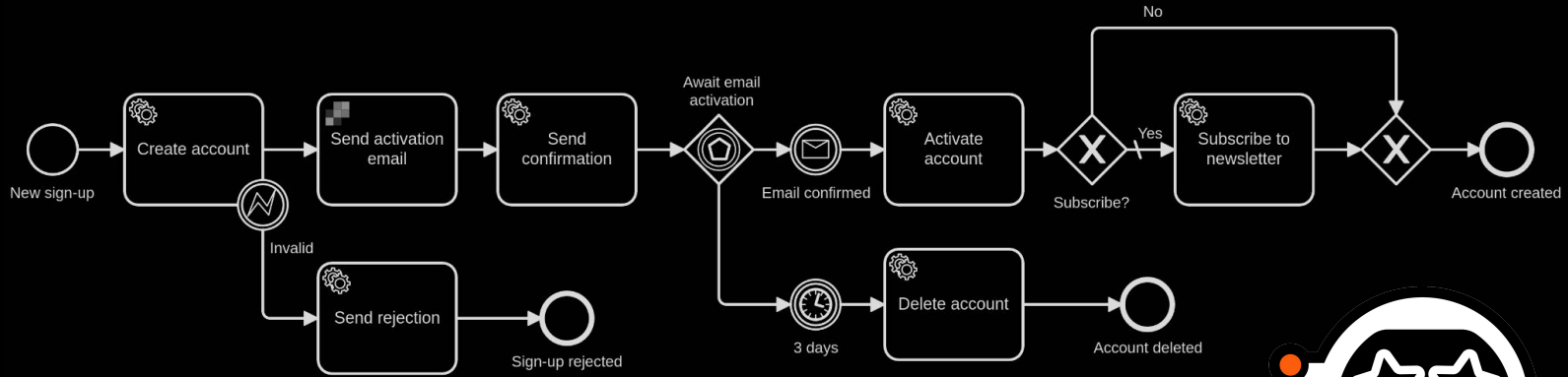
Frontend

APIs / External services

Things change!

Live coding

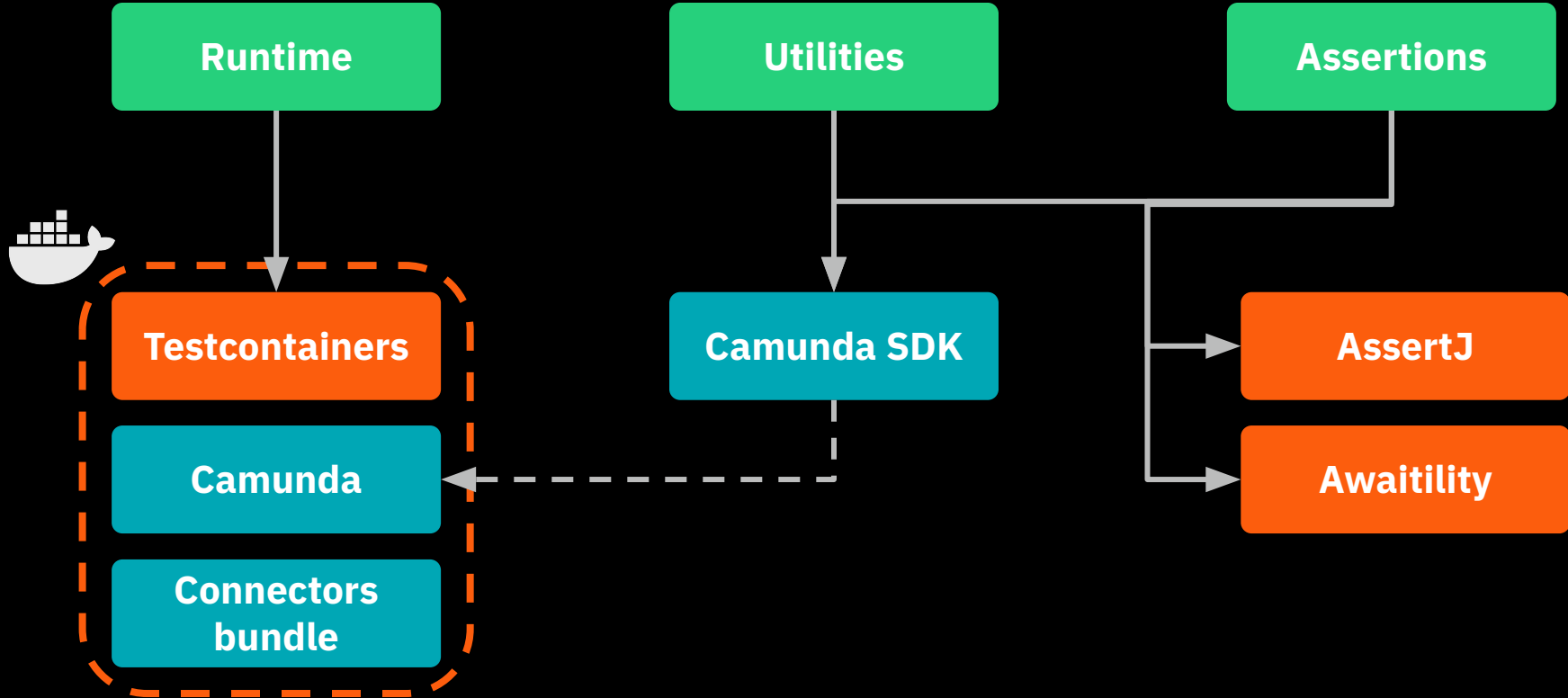
Live coding



<https://github.com/saig0/ccon-2025-cpt-demo>

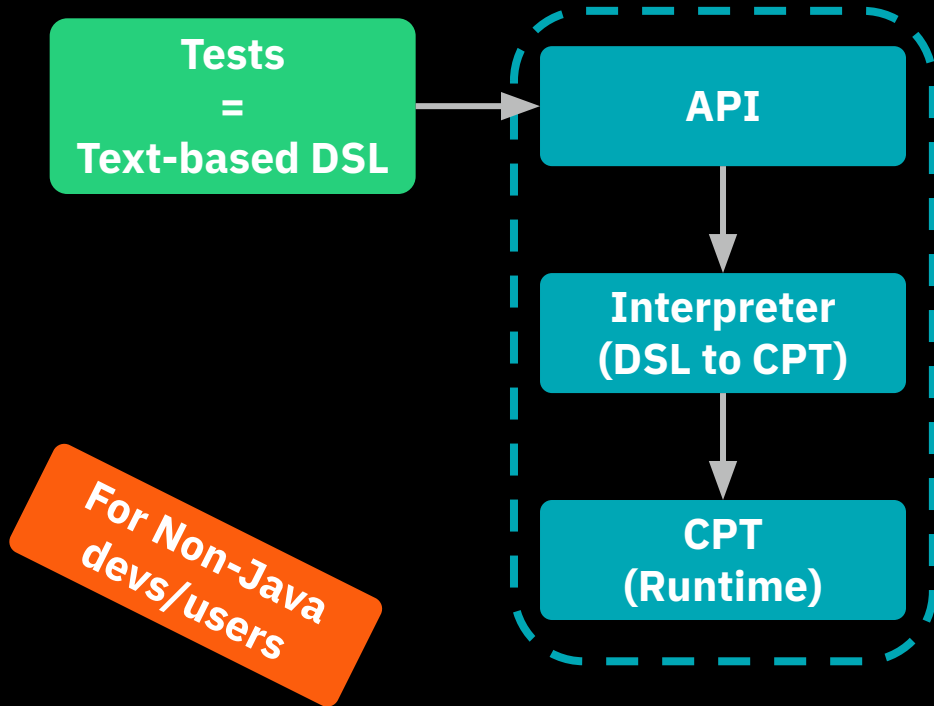
Deep dive

How does CPT works?



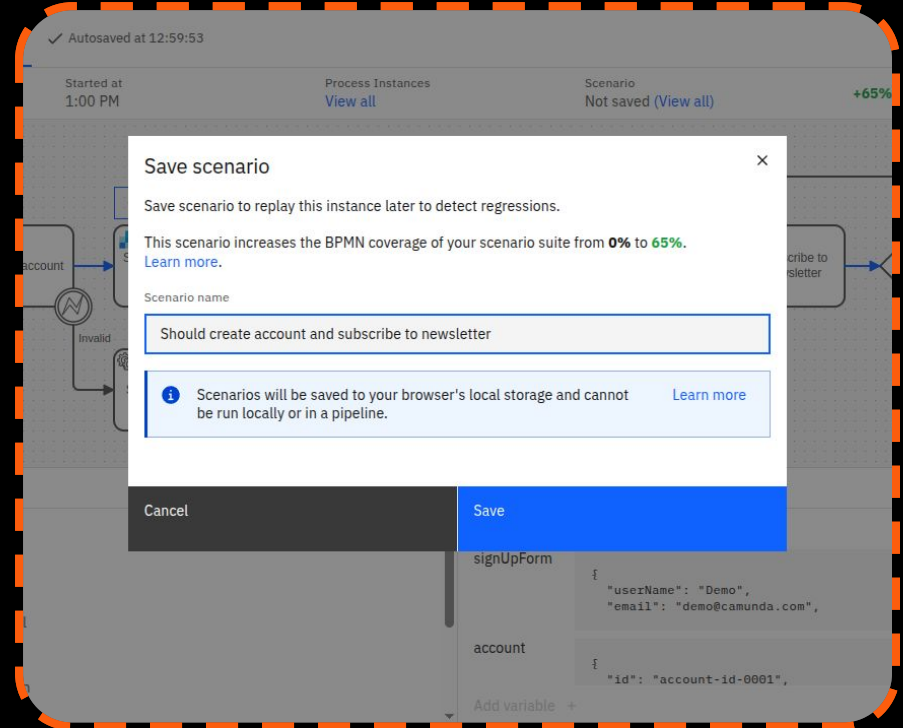
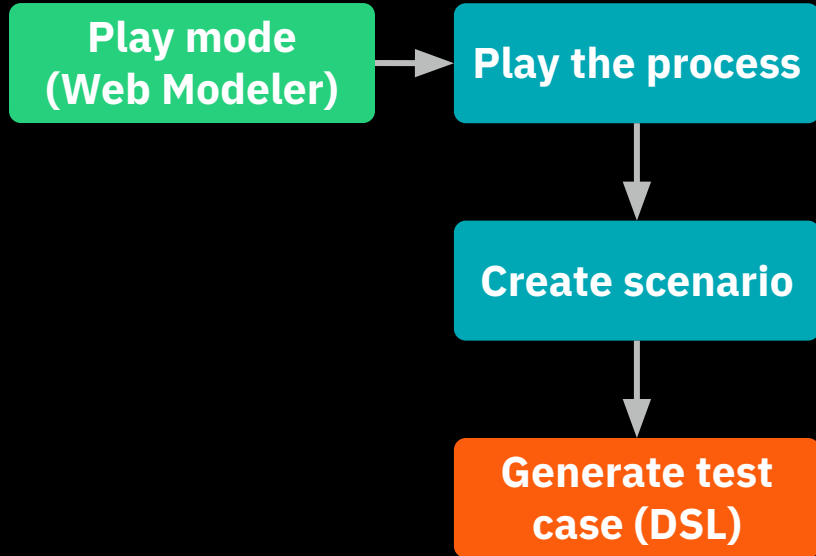
Outlook

Tests != Java code



```
"testCases": [  
  {  
    "name": "Should create account",  
    "instructions": [  
      {  
        "name": "create-process-instance",  
        "processId": "sign-up",  
        "variables": "{..}",  
        "processInstanceAlias": "process-instance"  
      },  
      {  
        "name": "complete-job",  
        "jobType": "accounts:create",  
        "variables": "{..}"  
      },  
      {  
        "name": "verify-element-instance-state",  
        "processInstanceAlias": "process-instance",  
        "elementName": "Account created",  
        "state": "completed"  
      }  
    ]  
  }  
]
```

Don't like writing tests. Generate it.



Recap

Recap



New testing
library for Java

Based on
Testcontainers

Full Camunda
stack

CPT release:
8.8

ZPT last
release: 8.9

Migrate from
ZPT to CPT

The screenshot shows the Camunda 8 Docs website. The navigation bar includes "Camunda 8 Docs", "8.8 (unreleased)", "Guides", "Components", "APIs & Tools", "Self-Managed", and "Ref". The left sidebar lists various topics, with "Assertions" highlighted. The main content area is titled "Process instance assertions" and contains the following text:

You can verify the process instance state and other properties of a process instance using a `ProcessInstanceSelector` to identify a process instance.

With process instance event

Use the creation event of the create instance command to verify the process instance state.

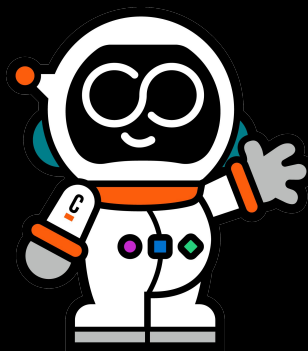
```
// given/when
ProcessInstanceEvent processInstance =
    client
        .newCreateInstanceCommand()
        .bpmnProcessId("my-process")
        .latestVersion()
        .send()
        .join();

// then
assertThat(processInstance).isActive();
```



<https://docs.camunda.io> > APIs & Tools > Testing

Thank You



<https://github.com/saig0>



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