

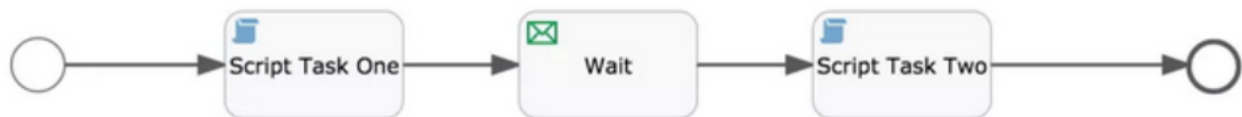
# Activiti

## Activiti

[Activiti](#)   [Activiti](#)   [TransactionDependentExecutionListener](#)

[BPMN XML](#)   [Java](#)   [“ ” /](#)   [ActivitiListeners](#)   [, ActivitiListener](#)

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XML

```
<process id="transaction-dependent-listeners">

  <startEvent id="start">

    <extensionElements>

      <activiti:executionListener delegateExpression="${myActivityLogger}"
event="start" />

    </extensionElements>

  </startEvent>


  <sequenceFlow id="flow1" sourceRef="start" targetRef="script-task-1"/>

  <scriptTask id="script-task-1" name="Script Task One" activiti:async="true"
scriptFormat="groovy">
```

```

        <extensionElements>

            <activiti:executionListener delegateExpression="${myActivityLogger}"
event="start" />

            <activiti:executionListener delegateExpression="${myMessageProducer}"
event="start" onTransaction="committed" />

        </extensionElements>

        <script>

            println 'script task one; start new transaction'

        </script>

    </scriptTask>

    <sequenceFlow id="flow2" sourceRef="script-task-1" targetRef="receive-task-1" />

    <receiveTask id="receive-task-1" name="Wait">

        <extensionElements>

            <activiti:executionListener delegateExpression="${myActivityLogger}"
event="start" />

        </extensionElements>

    </receiveTask>

    <sequenceFlow id="flow3" sourceRef="receive-task-1" targetRef="script-task-2" />

    <scriptTask id="script-task-2" name="Script Task Two" activiti:async="true"
scriptFormat="groovy">

        <extensionElements>

            <activiti:executionListener delegateExpression="${myActivityLogger}"
event="start" />

```

```

        </extensionElements>

        <script>

            println 'script task two; start new transaction'

        </script>

    </scriptTask>

    <sequenceFlow id="flow4" sourceRef="script-task-2" targetRef="end" />

    <endEvent id="end">

        <extensionElements>

            <activiti:executionListener delegateExpression="${myActivityLogger}"
event="start" />

        </extensionElements>

    </endEvent>

</process>

```

Activiti ReceiveTask

ACT\_RU\_EXECUTION

JMS

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JMS

```
/**
```

```
* @author www.shareniu.com
```

```
*/
```

```
@Component("myMessageProducer")
```

```
public class MyMessageProducer implements TransactionDependentExecutionListener {
```

```

private static final Logger logger = LoggerFactory.getLogger(MyMessageProducer.class);

@Autowired

private JmsTemplate jmsTemplate;

public void notify(String processInstanceId, String executionId, FlowElement
currentFlowElement, MapexecutionVariables, MapcustomPropertiesMap) {

    logger.debug("Sending message <{}> to queue", executionId);

    jmsTemplate.convertAndSend("receive_task_signal", executionId);

}

}

```

```

/**

 * @author www.shareniu.com

 */

@Component

public class MyMessageConsumer {

    private static final Logger logger = LoggerFactory.getLogger(MyMessageConsumer.class);

    @Autowired

    private RuntimeService runtimeService;

    @JmsListener(destination = "receive_task_signal", containerFactory = "myFactory")

    public void receiveMessage(String executionId) {

        logger.debug("Received message: <" + executionId + ">");
    }
}

```

```

        logger.debug("Signaling execution with id: <" + executionId + ">");

        runtimeService.trigger(executionId);

    }

}

```

“ “ “ ”

myMessageProducer

```
mvn spring-boot:run
```

```

2017-02-07 15:18:52.229 DEBUG 1243900 --- [cTaskExecutor-1]
o. a. demo. listener. MyActivityLogger      : Current activity id:

script task one; start new transaction

2017-02-07 15:18:52.653 DEBUG 1243900 --- [cTaskExecutor-1]
o. a. demo. listener. MyActivityLogger      : Current activity id:

2017-02-07 15:18:52.657 DEBUG 1243900 --- [cTaskExecutor-1]
o. a. demo. listener. MyMessageProducer     : Sending message <5> to queue

2017-02-07 15:18:52.689 DEBUG 1243900 --- [enerContainer-1]
org. activiti. demo. jms. MyMessageConsumer : Received message: <5>

2017-02-07 15:18:52.689 DEBUG 1243900 --- [enerContainer-1]
org. activiti. demo. jms. MyMessageConsumer : Signaling execution with id: <5>

2017-02-07 15:18:52.696 DEBUG 1243900 --- [cTaskExecutor-2]
o. a. demo. listener. MyActivityLogger      : Current activity id:

script task two; start new transaction

2017-02-07 15:18:52.703 DEBUG 1243900 --- [cTaskExecutor-2]
o. a. demo. listener. MyActivityLogger      : Current activity id:

```

Revision #1

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