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Orchestration Server Developer's Guide

Route to Fetched Targets With Invoking SCXML Strategies

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Route to Fetched Targets With Invoking SCXML Strategies

The following SCXML strategy uses the results of a fetch request to construct routing targets.

Fetched files content

- File //myhost/Fetch_1.txt:
`{"id":813, "id1":819}`
- File //myhost/Fetch_2.txt:
`{"id":511, "id1":517}`

Root strategy

```
<scxml version="1.0" xmlns="http://www.w3.org/2005/07/scxml"
  xmlns:queue="www.genesyslab.com/modules/queue"
  xmlns:dialog="www.genesyslab.com/modules/dialog"
  xmlns:session="www.genesyslab.com/modules/session"
  xmlns:xi="http://www.w3.org/2001/XInclude"
  initial="waitinteraction">
  <script>
    var data1;
    var data2;
  </script>
  <state id="waitinteraction">
    <transition event="interaction.added" target="getdata1"/>
  </state>
  <state id="getdata1">
    <onentry>
      <session:fetch srcexpr="'http://myhost/Fetch_1.txt'"/>
    </onentry>
    <transition event="session.fetch.done" target="getdata2">
      <script>
        data1= JSON.parse(_event.data.content);
      </script>
    </transition>
    <transition event="error.session.fetch" target="error"/>
  </state>
  <state id="getdata2">
    <onentry>
      <session:fetch srcexpr="'http://myhost/Fetch_2.txt'"/>
    </onentry>
    <transition event="session.fetch.done" target="initial">
      <script>
        data2= JSON.parse(_event.data.content);
      </script>
    </transition>
  </state>
</scxml>
```

```
        </transition>
        <transition event="error.session.fetch" target="error"/>
    </state>
    <state id="initial">
        <transition cond="_genesys.ixn.interactions[0].userdata['switch']=='1'"
            target="queued"/>
        <transition cond="_genesys.ixn.interactions[0].userdata['switch']=='2'"
            target="queued1"/>
    </state>
    <state id="queued">
        <onentry>
            <queue:submit queue="'vq1'" priority="5" timeout="2">
                <queue:targets type="skill" statserver="'Single_StatServer'">
                    <queue:target
                        skillexpr="'switch=1&id=' + data1.id + '&id<' + data1.id1"/>
                </queue:targets>
            </queue:submit>
        </onentry>
        <transition event="queue.submit.done" target="exit" />
        <transition event="error.queue.submit" target="q2.queued" />
    </state>
    <state id="queued1">
        <onentry>
            <queue:submit queue="'vq1'" priority="5" timeout="2">
                <queue:targets type="skill" statserver="'Single_StatServer'">
                    <queue:target
                        skillexpr="'switch=1&id=' + data2.id + '&id<' + data2.id1"/>
                </queue:targets>
            </queue:submit>
        </onentry>
        <transition event="queue.submit.done" target="exit" />
        <transition event="error.queue.submit" target="q3.queued" />
    </state>
    <xi:include resolved="q2" href="Inv_Queue_2.xml" xpointer="queued" >
    <xi:include resolved="q3" href="Inv_Queue_3.xml" xpointer="queued" >
    <final id="exit"/>
    <final id="error"/>
</scxml>
```

Strategies making second-chance routing to queues (if first queue:submit failed)

- File //myhost/Inv_Queue_2.xml:

```
<scxml version="1.0" xmlns="http://www.w3.org/2005/07/scxml"
    xmlns:queue="www.genesyslab.com/modules/queue"
    initial="initial">
    <state id="initial" >
        <transition event="interaction.added" target="queued"/>
    </state>
    <state id="queued">
        <onentry>
            <queue:submit queue="'vq1'" priority="5" timeout="100">
                <queue:targets type="queue">
                    <queue:target name="'8112_sw1'"/>
                </queue:targets>
            </queue:submit>
        </onentry>
    </state>
</scxml>
```

```
</onentry>
  <transition event="queue.submit.done" target="exit" />
  <transition event="error.queue.submit" target="error" />
</state>
<final id = "exit"/>
<final id = "error"/>
</scxml>
```

- File //myhost/Inv_Queue_3.xml:

```
<scxml version="1.0" xmlns="http://www.w3.org/2005/07/scxml"
  xmlns:queue="www.genesyslab.com/modules/queue"
  initial="initial">
<state id="initial" >
  <transition event="interaction.added" target="queued"/>
</state>
<state id="queued">
  <onentry>
    <queue:submit queue="'vq1'" priority="5" timeout="100">
      <queue:targets type="queue">
        <queue:target name="'8113_sw1'" />
      </queue:targets>
    </queue:submit>
  </onentry>
  <transition event="queue.submit.done" target="exit" />
  <transition event="error.queue.submit" target="error" />
</state>
<final id = "exit"/>
<final id = "error"/>
</scxml>
```