

Example with execution of three job chains on two different servers synchronized by events

This example has three Job Chains.

Each job chain having its own set of jobs as shown below.

Job_Chain1

- Job11
- Job12
- Job13
- finish

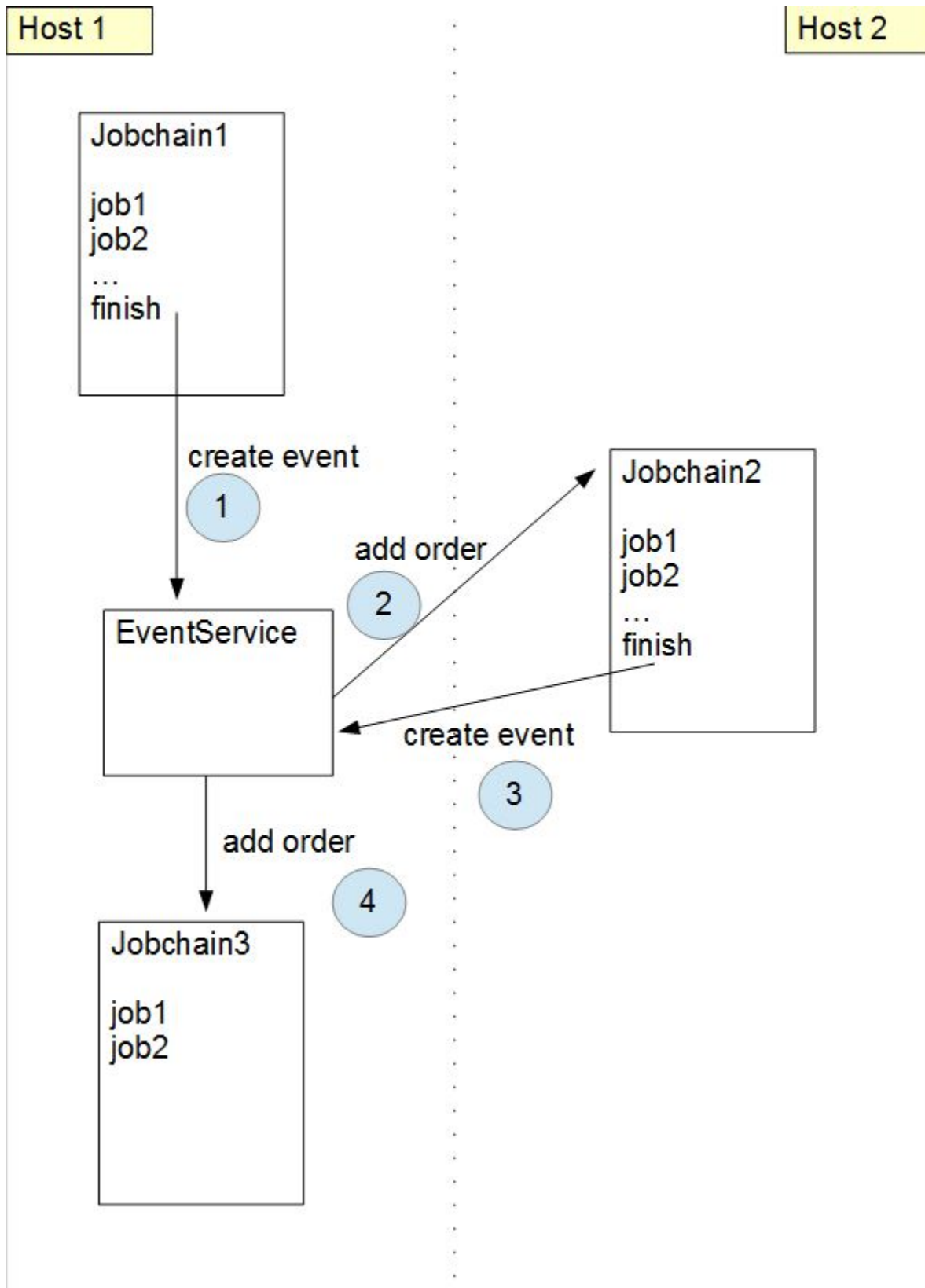
Job_Chain2

- Job21
- Job22
- Job23
- finish

Job_Chain3

- Job31
- Job32
- Job33

When Job_Chain1 has finished on host1 Job_Chain2 on host2 should start. When Job_Chain2 on host2 has finished Job_Chain3 on host1 should start.



How it works:

1. The finish job in Job_Chain1 creates an event for the event processor on host1.
2. The event handler creates an order for Job_Chain2 on host 2 when the event "jobchain1" arrives. Then the event "jobchain1" will be deleted.
3. The finish job in Job_Chain2 creates an event for the event processor on host1.
4. The event handler creates an order for Job_Chain3 on host 1 when the event "jobchain2" arrives. Then the event "jobchain2" will be deleted.

Events Event Handler

Refresh 300 example_remote_jobchain.actions.xml FTP Profile

Event Group	Title	Name	Event	Class	Job / Job Chain	Event Status	Created	Expires
group		example.jobchain2	jobchain2	example		Missing		

jobchain1

- remove_event
 - event event_class=example event_id=jobchain1
- start_jobchain2
 - order job_chain=events_remote/job_chain2 replace=yes

jobchain2

- command_1
 - order job_chain=events_remote/job_chain3 replace=yes
- remove_event
 - event event_class=example event_id=jobchain2
- command_2

Remove the event after creating the order for job chain 2

Add an order for job chain 2 on host2

The event handler

```
<?xml version="1.0" encoding="UTF-8"?>
<actions>
  <action name="jobchain1">
    <events>
      <event_group group="group">
        <event event_id="jobchain1" event_class="example" />
      </event_group>
    </events>
    <commands>
      <remove_event>
        <event event_id="jobchain1" event_class="example" />
      </remove_event>
      <command name="start_jobchain2" scheduler_host="vmubuntu1" scheduler_port="4444">
        <order job_chain="events_remote/job_chain2" replace="yes" />
      </command>
    </commands>
  </action>
  <action name="jobchain2">
    <events>
      <event_group group="group">
        <event event_id="jobchain2" event_class="example" />
      </event_group>
    </events>
    <commands>
      <command name="command_1">
        <order job_chain="events_remote/job_chain3" replace="yes" />
      </command>
      <remove_event>
        <event event_id="jobchain2" event_class="example" />
      </remove_event>
      <command name="command_2" />
    </commands>
  </action>
</actions>
```

You can download the source for this example from [here](#).

In the zip, you find two live folders, one for host1 and one for host2.

There is also a event handler for host1. Please copy this the config/events and configure the actual host names or ip addresses.