

Continuity Reactor Purchase Example Using REST

Exercise Objectives

In this exercise, you will:

- Run the Continuuity Reactor *Purchase* Example, using shell scripts
 - Run an application that uses scheduled MapReduce Workflows to read from one `ObjectStore DataSet` and write to another
 - Use shell commands to install Applications and interact with Reactor
-

Purchase Example and Steps

- Install the Purchase Application using the shell scripts in the example in a running Reactor
 - Send sentences of the form "Tom bought 5 apples for \$10" to the purchaseStream using `curl`
 - The PurchaseFlow reads the purchaseStream and converts every input String into a Purchase object and stores the object in the purchases DataSet
 - When scheduled by the PurchaseHistoryWorkflow, the PurchaseHistoryBuilder MapReduce Job reads the purchases DataSet, creates a purchase history, and stores the purchase history in the history DataSet every morning at 4:00 A.M.
 - Manually (in the Process screen in the Reactor Dashboard) execute the PurchaseHistoryBuilder MapReduce job to store customers' purchase history in the history DataSet.
 - Execute the PurchaseQuery procedure using `curl` to query the history DataSet and discover the purchase history of each customer
-

Purchase Example Hints

The Purchase Application is located in `/examples/Purchase`

Shell script for installing it is located in `/examples/Purchase/bin`

Send sentences using

```
curl -X POST -d "Tom bought 5 apples for $10" \  
http://localhost:10000/v2/streams/purchaseStream
```

Execute the PurchaseQuery procedure using

```
curl -v -d '{"customer": "Tom"}' -X POST \  
'<base-url>/PurchaseHistory/procedures/PurchaseQuery/methods/history'
```

where `<base-url>` is

```
http://localhost:10000/v2/apps
```

Exercise Summary

You are now able to:

- Install pre-compiled Applications using a shell script
 - Interact with the Reactor with curl
 - Send events to a stream
 - Receiving data from queries
-

Exercise Completed

[Chapter Index](#)