Continuuity Reactor Purchase Example Using Dashboard

Exercise Objectives

In this exercise, you will:

- Run the Continuuity Reactor *Purchase* Example, using drag 'n drop
- This application uses scheduled MapReduce Workflows to read from one ObjectStore DataSet and write to another
- Learn how to use the Dashboard to enter events to a Stream
- Learn how to use the Dashboard to run MapReduce Workflows
- Learn how to use the Dashboard to run Procedures and query results

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Purchase Example and Steps

- Install the Purchase Application by dragging the application jar to the Dashboard of a running Reactor
- Send sentences of the form "Tom bought 5 apples for $10" to the purchaseStream using the Dashboard
- 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 to query the history DataSet and discover the purchase history of each customer

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Purchase Example Hints

- The Purchase Application is located in `/examples/Purchase`
- The method is `history` ; the parameters are entered as a JSON string such as `{ "customers" : "Tom" }`

Exercise Summary

You are now able to:

- Install pre-compiled Applications
- Use the Dashboard to enter events to a Stream
- Use the Dashboard to run MapReduce Workflows
- Use the Dashboard to query Reactor using a Procedure

Exercise Completed

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