

**Assignment 4 Hint:**

Some students have problems by local installation of Openwhisk, as a suggestion for those students, they can use [Bluemix](#) service that already providing Openwhisk as a service. The basic plan of this service is free of charge. If you want to use Java in Bluemix, you have to learn it's related CLI because Java actions are not supported in the dashboard. Other than that, if you choose Bluemix for assignment 4, you will need a Couchdb. So we have provided Couchdb as a Service for you on the Internet. Use the following server as your Couchdb server. Try the address below and create a database and name it your last name:

Address: 159.89.20.122:5985/\_utils/

Username: admin

Password: assignment4

**Note that using Bluemix and the above Couchdb is optional! The alternative is to use your local machine to run both Openwhisk and Couchdb.**