

Guide: Setting up 'the Football Demo'

This guide is written for a Linux user. The terminal commands given as set up instructions are given for a Bash user.

If you are using a different system,

1. Checkout [1] which is the repository containing the necessary configuration files to set up the demo.
2. Navigate to the folder where you have put the above configuration files. This folder will contain the 'deploy.sh' file.
3. You can manually perform operations given in deploy.sh script according to your system.

Setting up the demo

1.1 Download WSO2 CEP pack from [2].

1.2 Extract it. The folder to which you have extracted this zip will hereafter be referred to as <CEP_HOME>

2. Checkout [1]. This Git repository contains the necessary configuration files to set up the demo.

3.1. Using a terminal, move to the folder where you have put the above configuration files.

3.2. Run the command 'chmod a+x deploy.sh' (without quotes)

3.3. Open deploy.sh script in an editor and set the CEP_HOME variable so it points to <CEP_HOME>. To do this replace '/home/dilini/CEP/debs-new/wso2cep-3.1.0' with your <CEP_HOME>

3.4. Run the command './deploy.sh' (without quotes)

4.1 Download input data file from [3]. Note that this has data for the entire football game; hence it's a large file with size equal to 4.1 GB.

This data set is provided by DEBS Challenge 2013 organizers. You may read more about it at [4]

Alternatively, you can find smaller subsets created from the original dataset at [5].

4.2 Extract the archive and rename the extracted text file to 'small-game6.txt'

4.3 Put the renamed 'small-game6.txt' file to <CEP_HOME>/samples/producers/debs-input

Running the setup

Now, we're ready to run the setup. To run it follow the below steps.

Running the CEP server and dashboard

1. Using a terminal, move to <CEP_HOME>/bin

2. Run the command 'chmod a+x wso2server.sh' (without quotes)

3. Run the command './wso2server.sh' (without quotes)

This will start the CEP server. Refer the CEP documentation [6], if you need more details on starting the CEP server.

4. Go to the CEP management console.

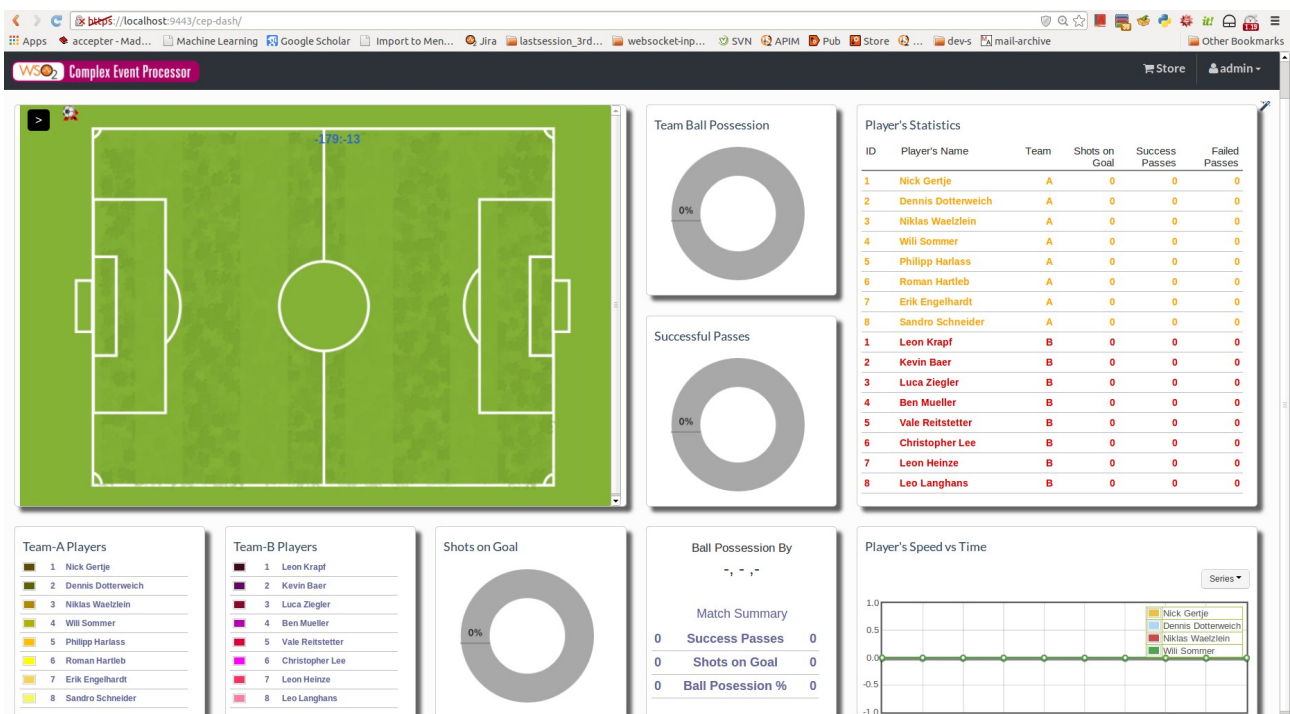
Once the CEP server has started, you can run the Management Console by opening a Web browser and typing in the management console's URL. The URL is displayed as the last line in the start script's console and log. For example see the following image.

Refer the CEP documentation [7], if you need more details on running the management console.

```
[2013-06-20 10:03:04,771] INFO - StartupFinalizerServiceComponent WS02 Carbon started in 26 sec
[2013-06-20 10:03:05,157] INFO - CarbonUIServiceComponent Mgt Console URL : https://192.168.1.99:9443/carbon/
```

5. Using the management console, navigate to the 'CEP Dashboard'. This is under the 'Main' tab in the management console window. The dashboard will appear as shown in the screenshot below.

Refer the CEP documentation [8], if you need more details on running the CEP Dashboard.



Sending Football game Data to the CEP

6. On another terminal, move to <CEP_HOME>/samples/producers/debs-input

7. Run the command 'ant' (without quotes). This action will start sending data to the CEP.

Now the demo should be running as shown in the screenshot below!



References

- [1] <https://github.com/dilini-muthumala/cep-football-demo>
- [2] https://svn.wso2.org/repos/wso2/people/mohan/CEP_3.1.0_NightlyBuilds/wso2cep-3.1.0-04-04-2014.zip
- [3] <http://lafayette.tosm.ttu.edu/debs2013/grandchallenge/full-game.gz>
- [4] <http://www.orgs.ttu.edu/debs2013/index.php?goto=cfchallengedetails>
- [5] http://people.wso2.com/~wso2/cep_datasets/debs2013/
- [6] <https://docs.wso2.com/display/CEP310/Running+the+Product#RunningtheProduct-Startingtheserve+rstart>
- [7] <https://docs.wso2.com/display/CEP310/Running+the+Product#RunningtheProduct-Runningtheman+agementconsolerun>
- [8] <https://docs.wso2.com/display/CEP310/Running+the+Dashboard>