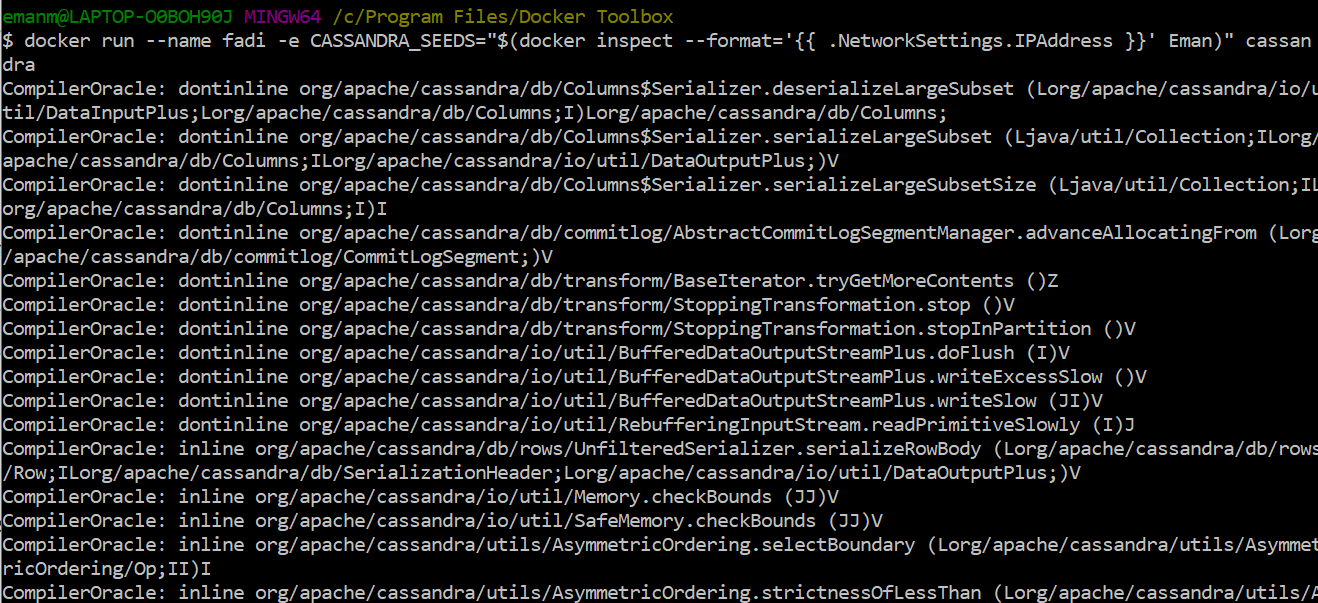
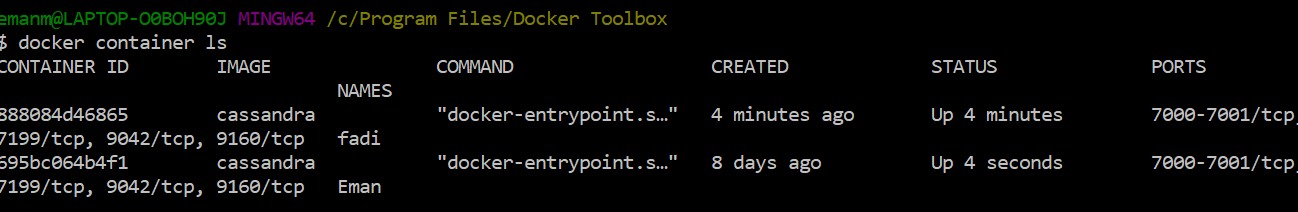
Creating the first cluster node (Eman)



Creating the second cluster node (Fadi), and connecting both of them as a master and slave to establish gossiping.



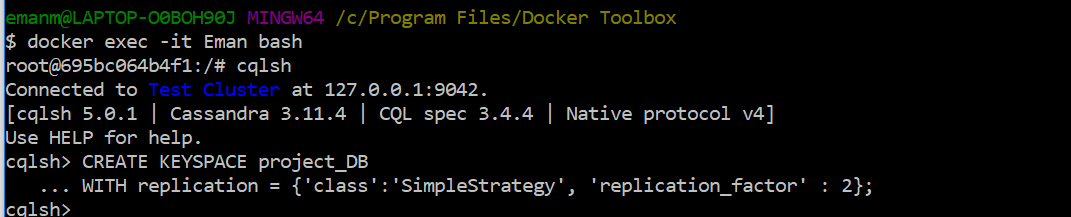
Showing the two nodes running



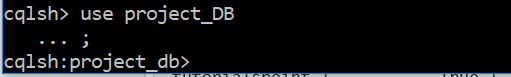
Creating a database for the hacker stories

CREATE KEYSPACE project\_DB

WITH replication = {'class':'SimpleStrategy', 'replication\_factor' : 2};



Using the project database

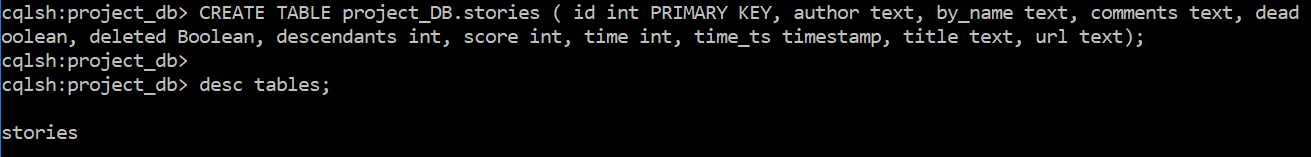


Data model

Creating the database to hold all needed data

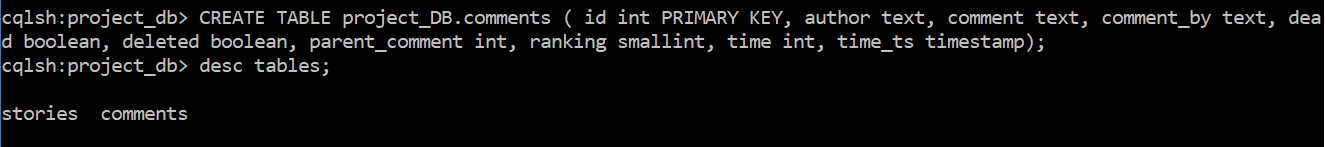
**Table stories**

|  |  |
| --- | --- |
| **Column Name** | **Data type** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
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|  |  |
|  |  |

CREATE TABLE project\_DB.stories ( id int PRIMARY KEY, author text, by\_name text, comments text, dead Boolean, deleted Boolean, descendants int, score int, time int, time\_ts timestamp, title text, url text);  
  


**Table DB.comments**

CREATE TABLE project\_DB.comments ( id int PRIMARY KEY, author text, comment text, comment\_by text, dead boolean, deleted boolean, parent\_comment int, ranking smallint, time int, time\_ts timestamp);

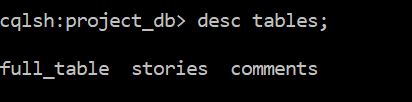


**Table full\_table**

CREATE TABLE project\_DB.full\_table ( id int PRIMARY KEY, by\_name text, comments text, parent int, time int, timestamp timestamp, title text);



All tables created in Cassandra



**Copy Sample of the Data**