



## HammerDB Oracle Quick Start

This quick start tutorial gets you up and running with the essentials of load testing and benchmarking for the Oracle database.

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### ***Install HammerDB***

To install HammerDB follow the [HammerDB installation guide](#). Before proceeding you should have your Oracle database software installed and running and HammerDB installed and running as shown in Figure 1.

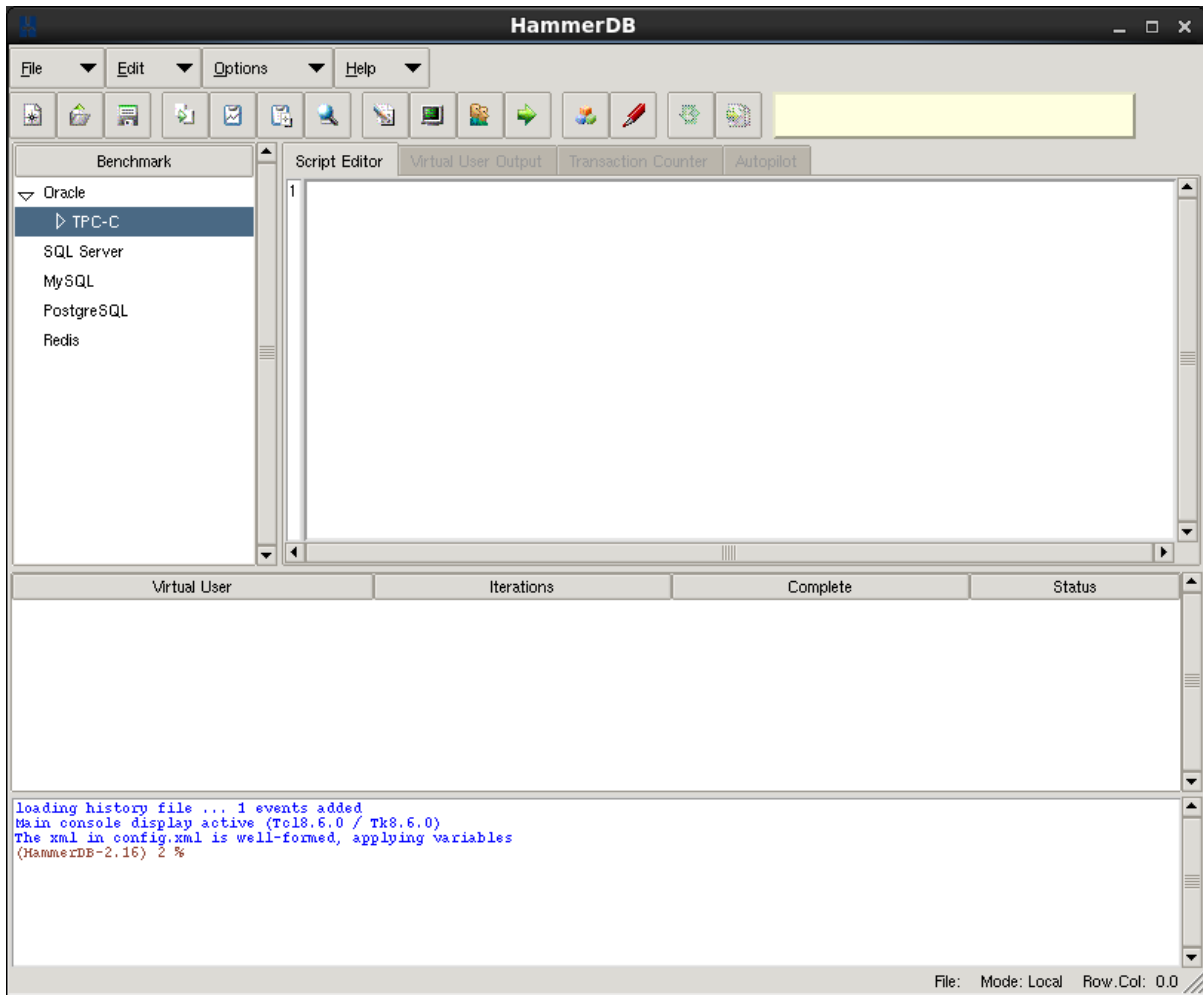
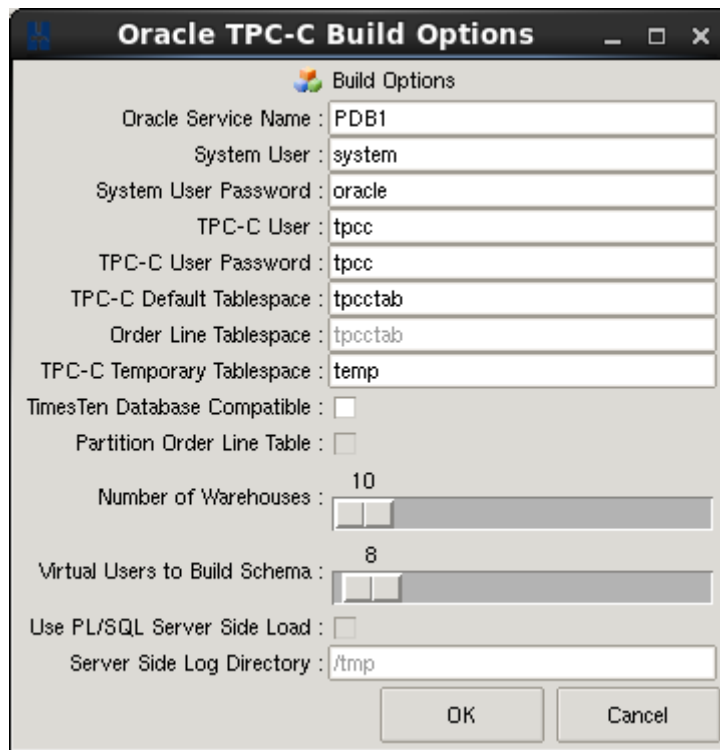


Figure 1 TPC-C Schema Options

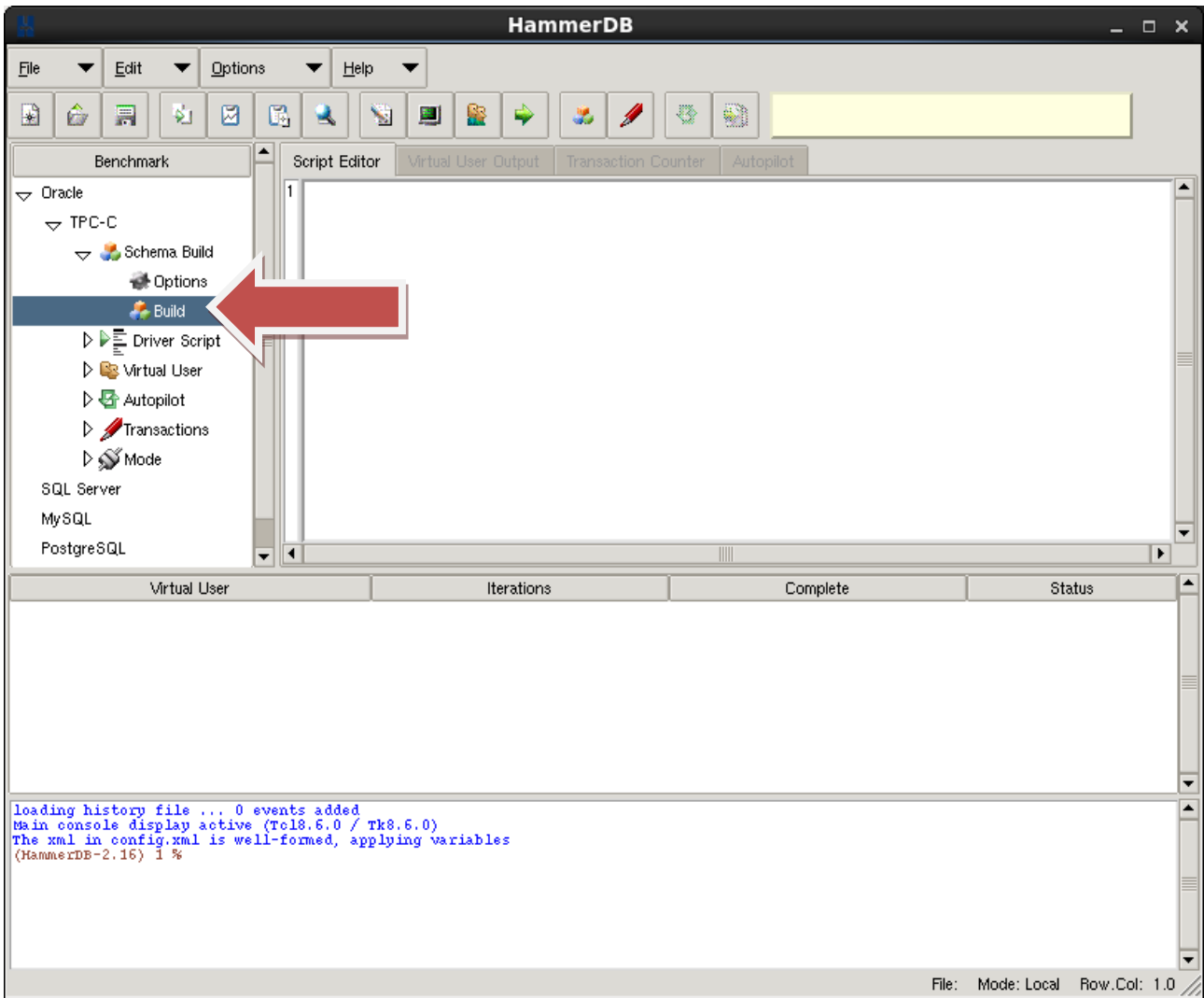
## ***Build an Oracle Test Schema***

Click on the Benchmark tree view and under TPC-C select TPC-C Schema options to display the TPC-C Schema options window as shown in Figure 2. Within this window enter the details of the service name for your database and a tablespace which already exists. The TPC-C User and password will be created during installation. Select a number of warehouses with the slider, 10 is good for a first test and set the Virtual Users to build schema to the number of CPU cores on your system. Click OK.



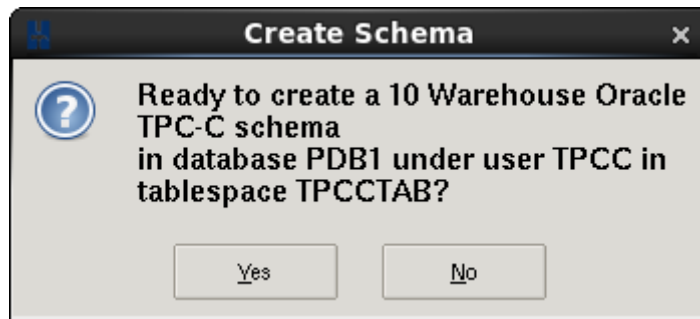
**Figure 2 TPC-C Schema Options**

Double-click on the Build option as shown in Figure 3.



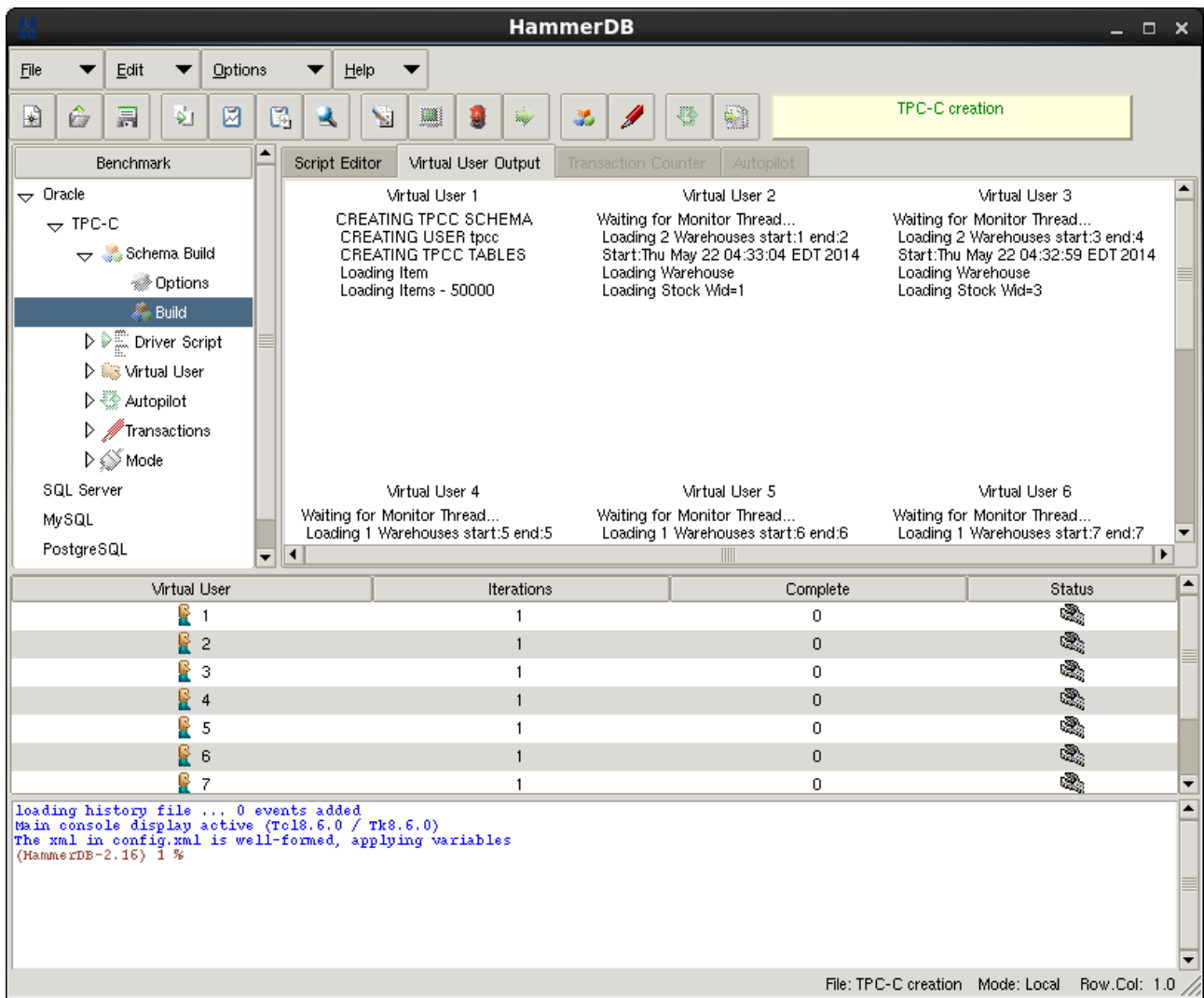
**Figure 3 Build Options**

On the Create Schema prompt check the details and Click Yes.



**Figure 4 Create Schema Prompt**

Wait for the Schema creation to complete, the time to completion depends on your system but should normally be less than 5 minutes.



**Figure 5 Schema Creating**

When the Display shows TPCC SCHEMA COMPLETE and all users have completed successfully the build is finished. Press the red traffic light icon to close the users down.

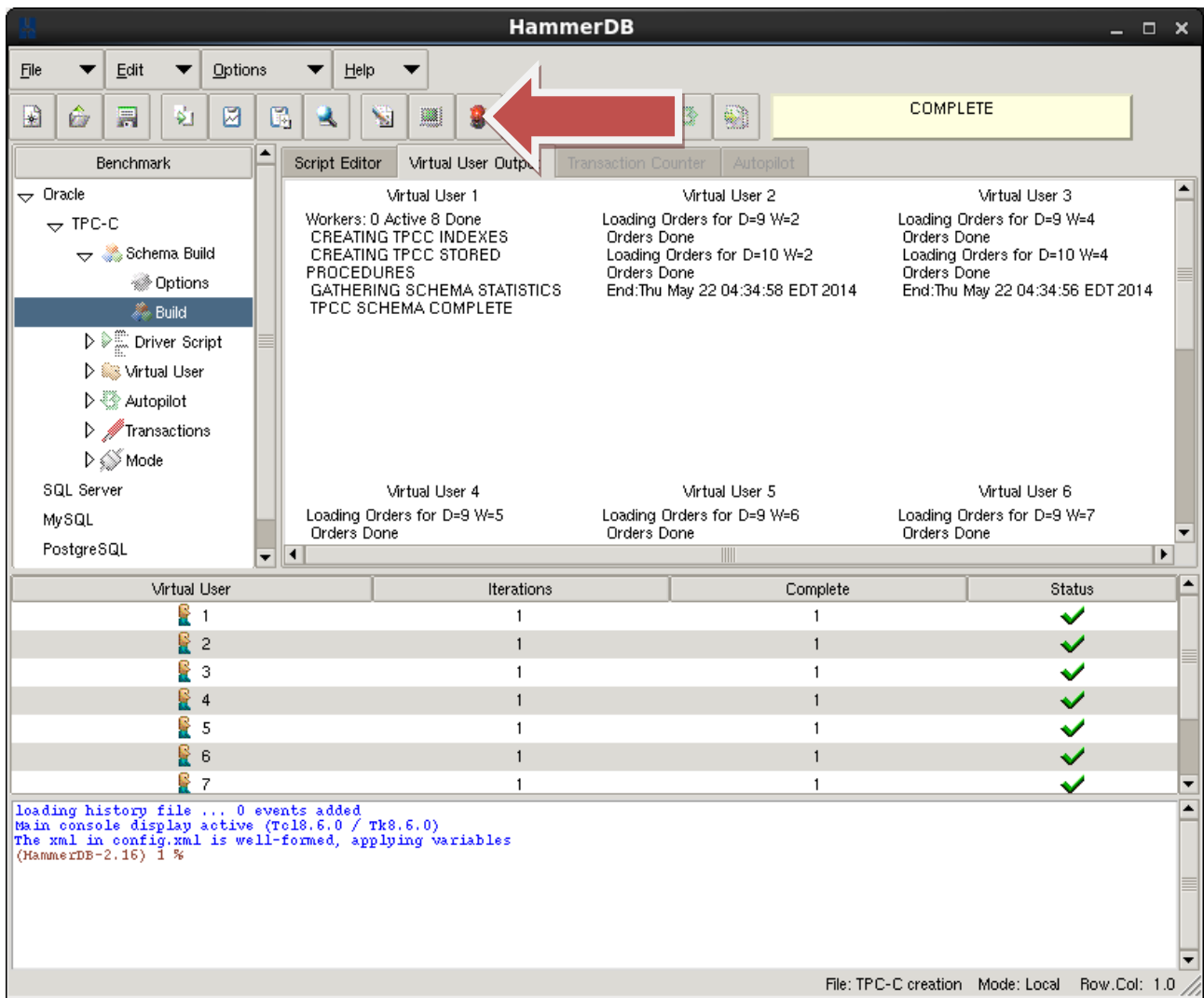
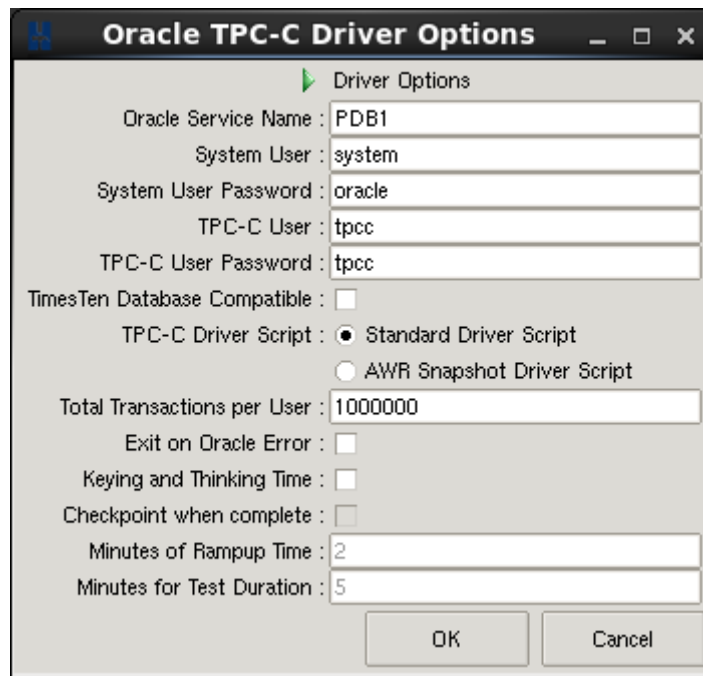


Figure 6 Schema Complete

## Run an Oracle Load Test

You can now proceed to run a load test against your created schema. Under the benchmark tree view select Driver Script and options. The choices to select for the driver script are displayed. Note that the service name and usernames if changed for the build options will also be reflected here. Accept the default values and click OK.



**Figure 7 Driver Options**

Now select the Driver Script option and double-click on Load as shown in Figure 8, this populates the Script Editor window with the driver script. You can observe that the EDITABLE OPTIONS correspond to the driver script options set in the previous step. You do not need to edit the script.

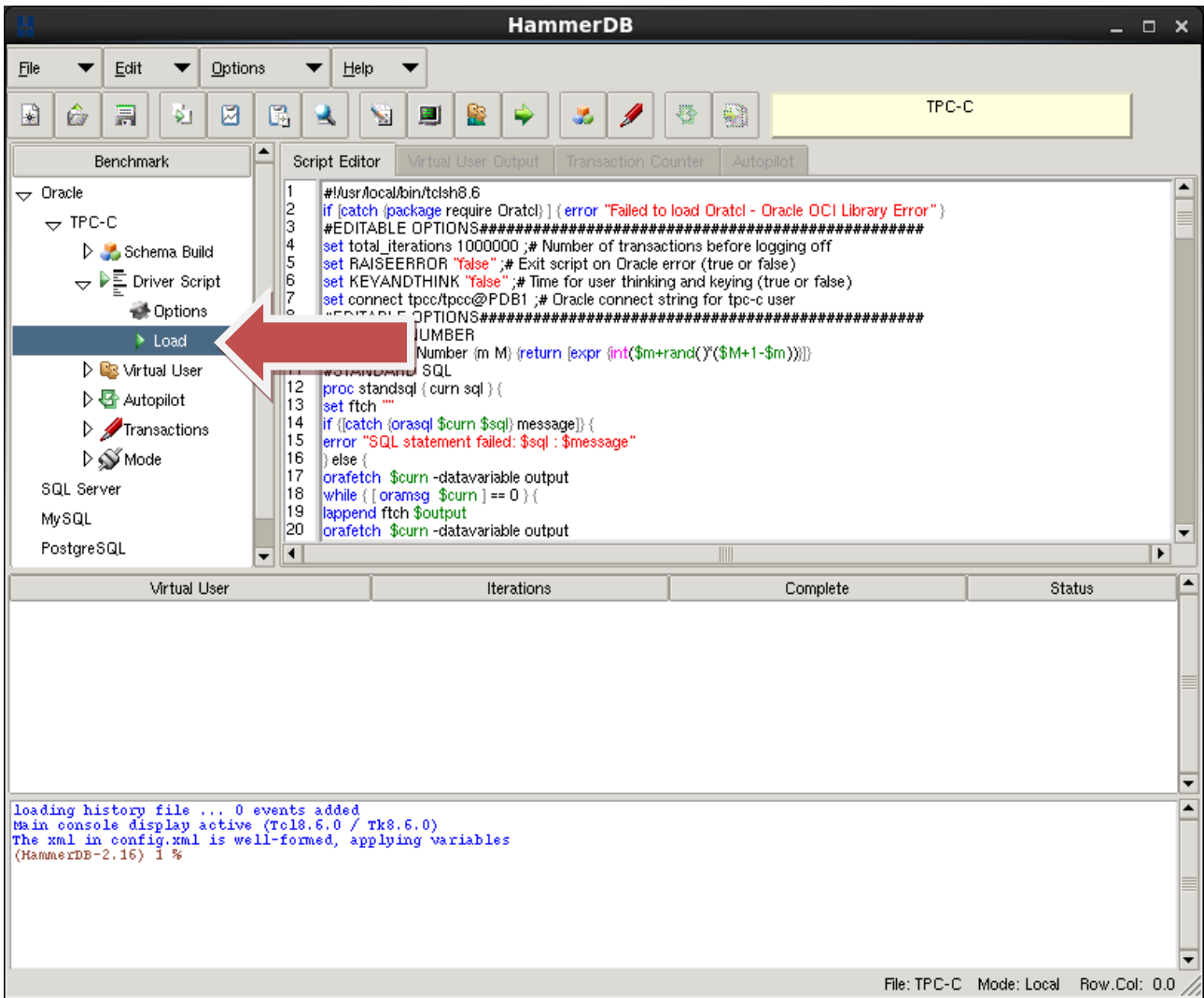


Figure 8 Driver Script

Under the Virtual User view double-click on Options and enter the number of users you wish to run against your system. Don't select too many to start with as the workload is intensive. If you wish check the Show Output button to see what your users are doing whilst the test is running, however note that displaying the output will reduce the overall level of performance and click OK.

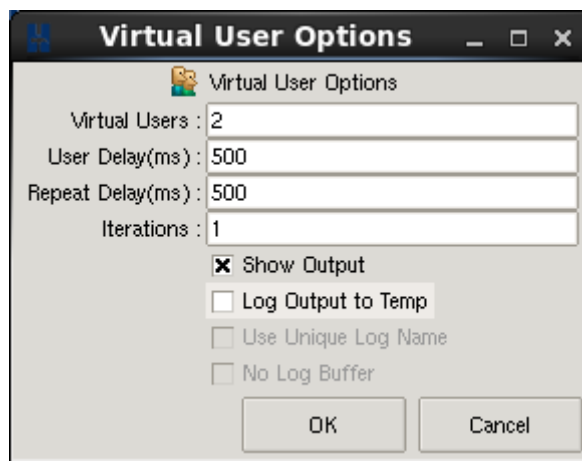
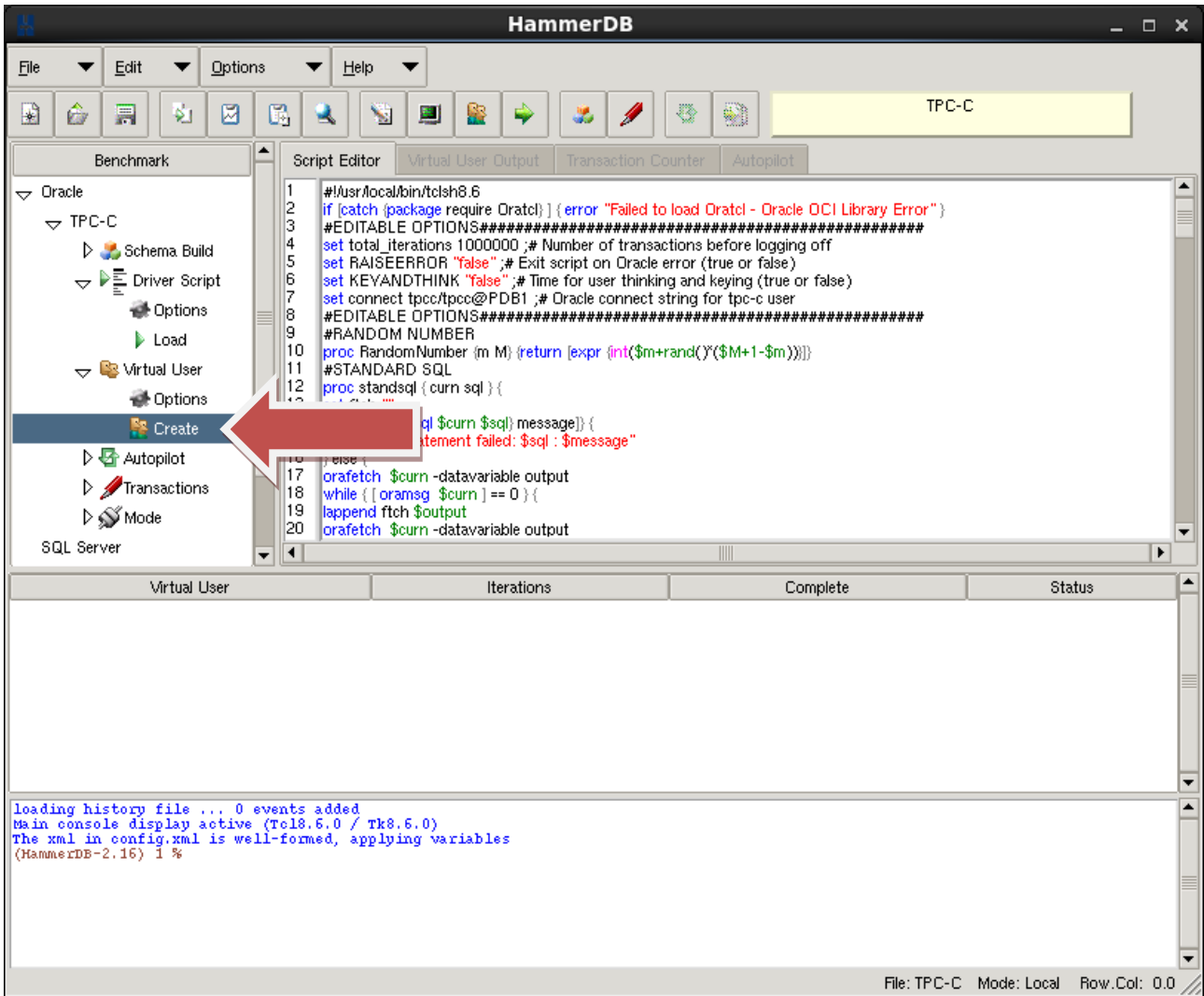


Figure 9 Virtual User Options

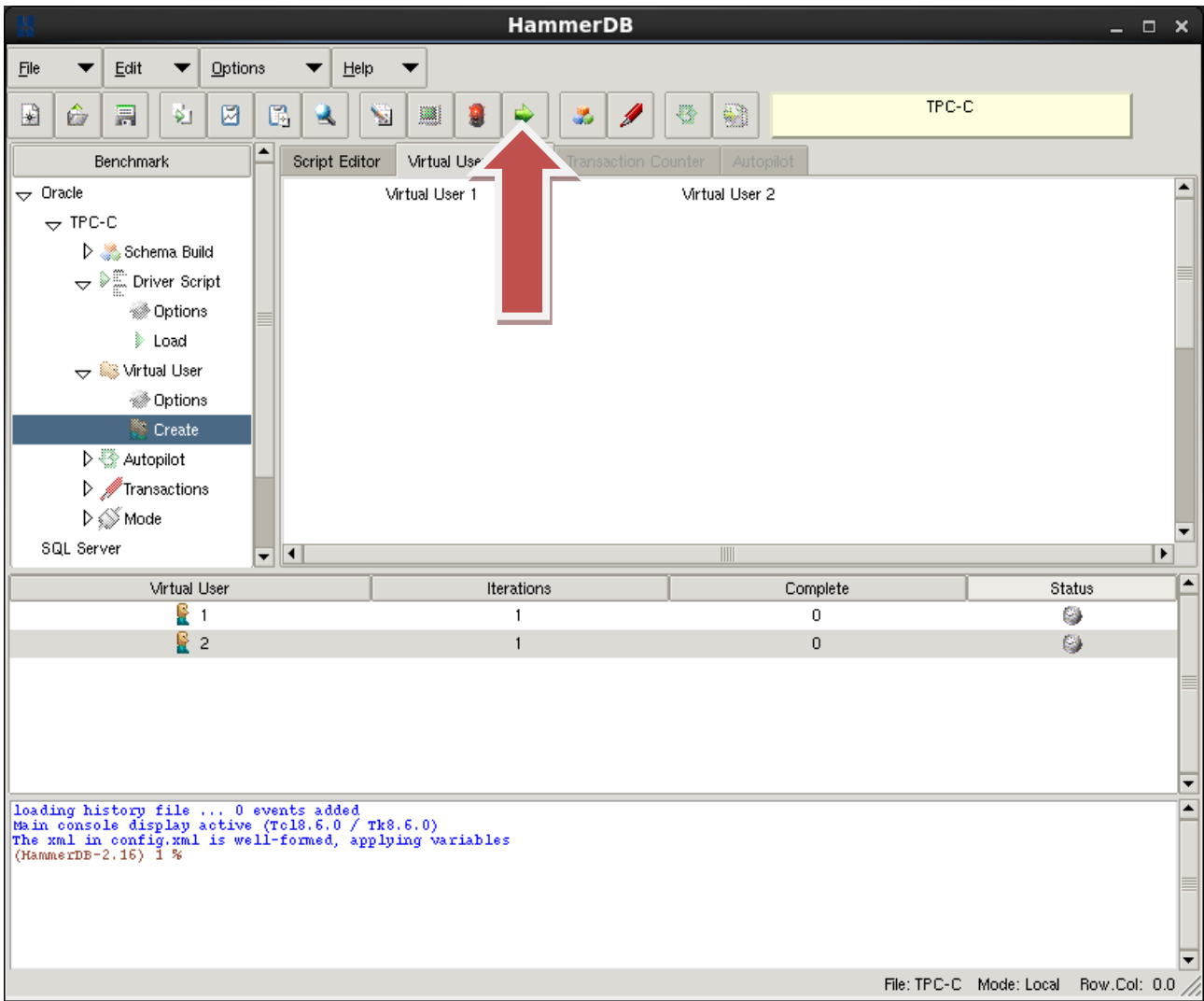
Double-click on Create Virtual Users as shown in Figure 10 to create the virtual users, they will not start running yet.





**Figure 10 Create Virtual Users**

You can observe that the virtual users have been created but their status is shown as waiting. Now click the Run Virtual Users button as shown in Figure 11 to start the test. The virtual users will begin to execute the driver script in the Script Editor Window.



**Figure 11 Run Virtual Users**

You can now observe that the load test is in progress as the virtual users display their output.

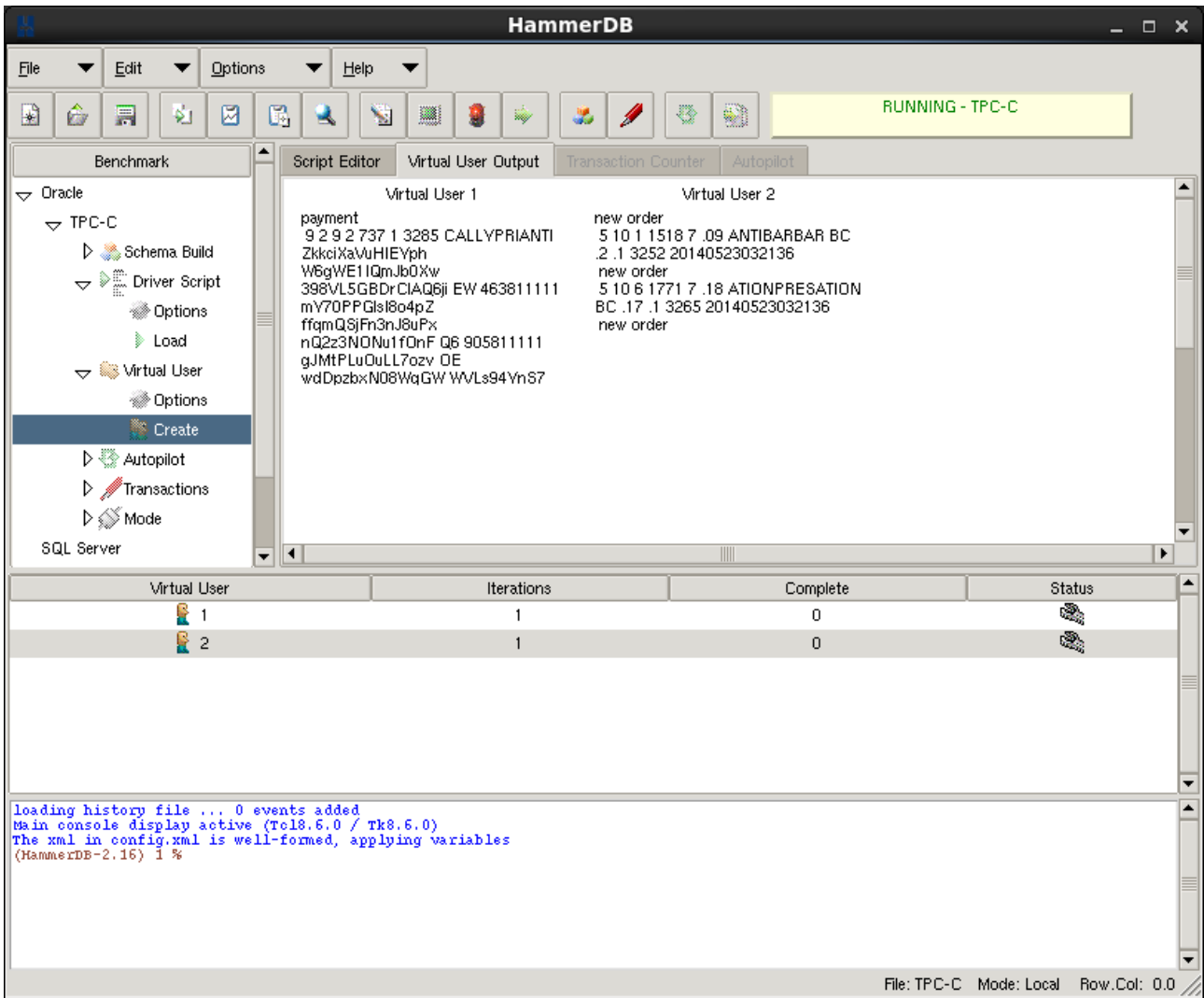


Figure 12 Running a Load Test

Also observe with HammerDB [Metrics](#) that a load has been placed on the system.

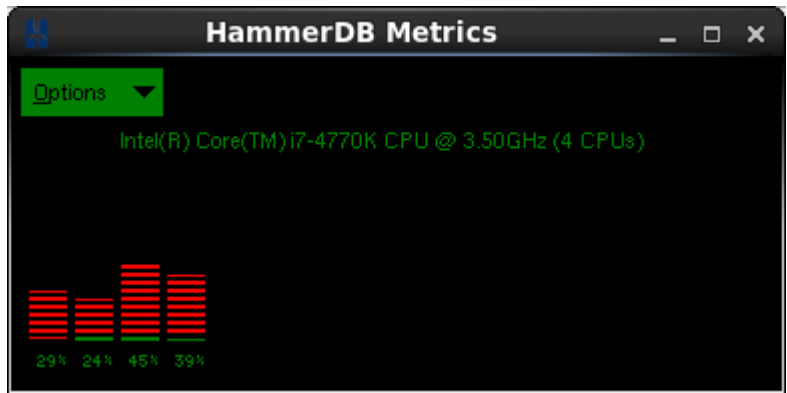


Figure 13 HammerDB Metrics

The load will complete when all virtual users have completed the number of transactions you defined or can be stopped by pressing the red traffic light icon as shown in Figure 14 to destroy the virtual users.

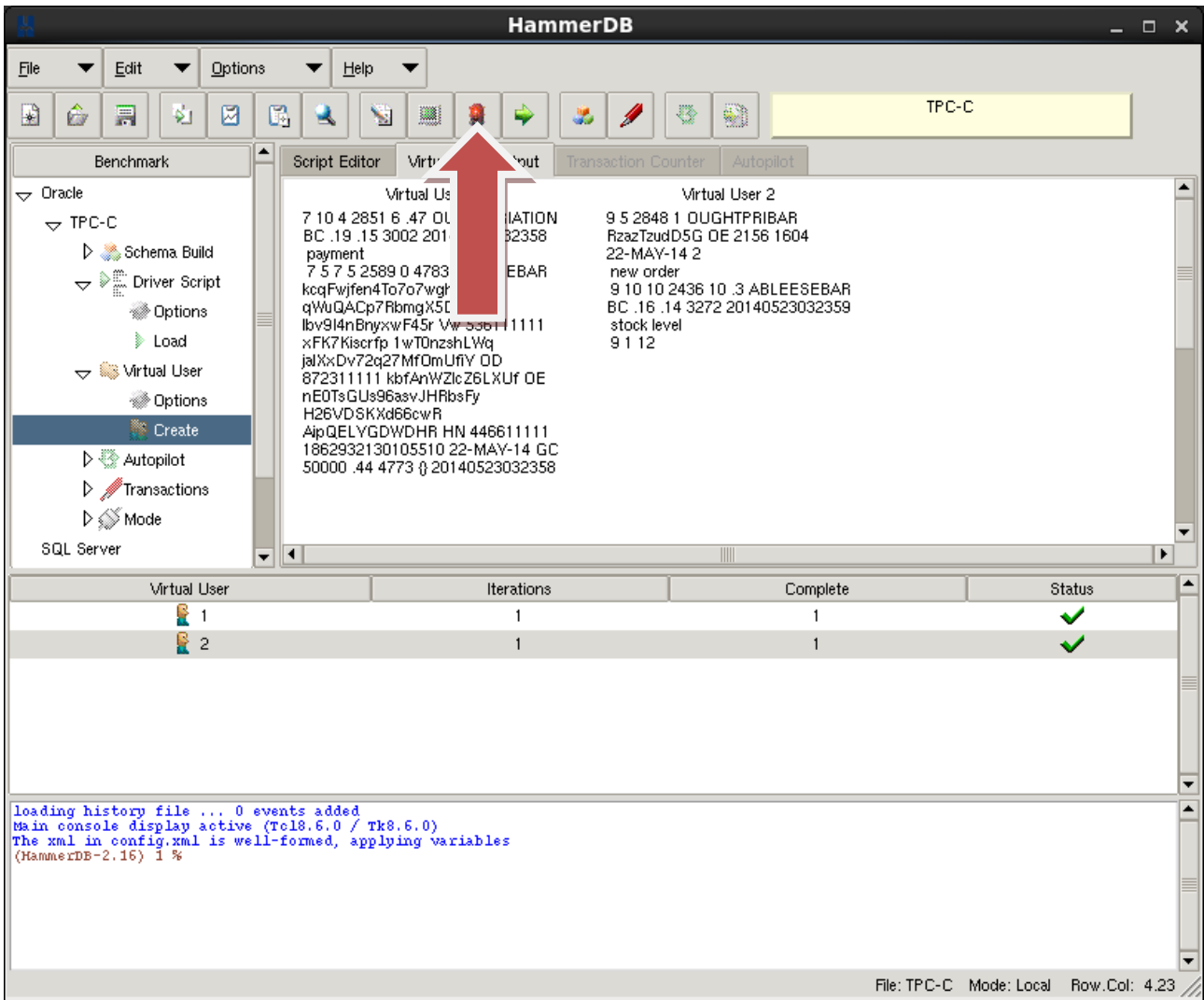


Figure 14 Virtual Users Complete

## Next Steps

For next steps such as running timed and automated tests and using the transaction counter as shown in Figure 15 follow the [Introduction to Transactional \(OLTP\) Load Testing for all Databases](#) and [Oracle OLTP Load Testing Guide](#).

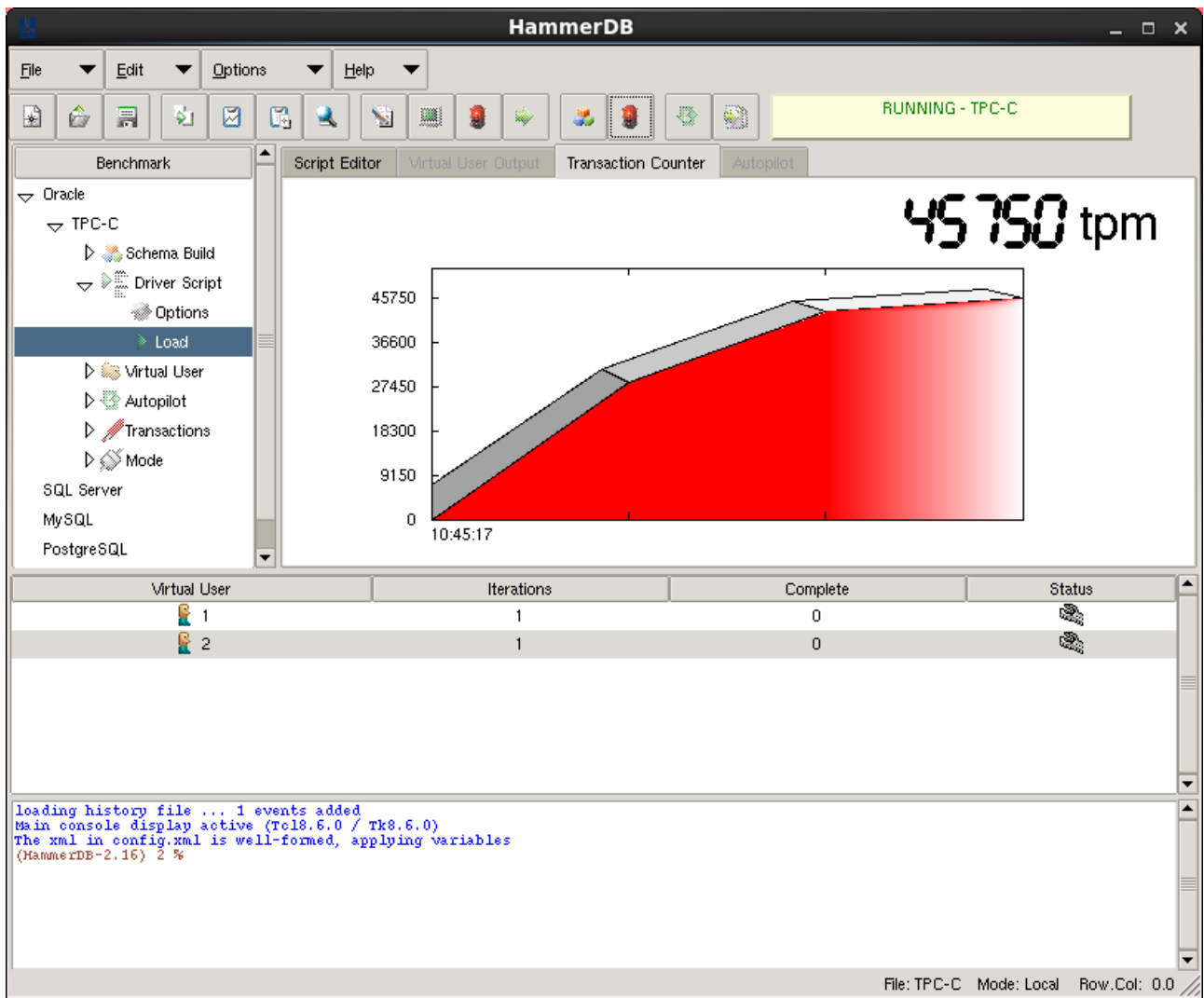


Figure 15 Transaction Counter

## Support and Questions

For help use the HammerDB Sourceforge forum available at the HammerDB sourceforge project.