



Extending HammerDB Autopilot at the Command Line

This guide gives you an introduction to extending HammerDB autopilot mode with the command line a feature introduced at HammerDB version 2.17. You should be familiar with running tests manually and using Autopilot before using this functionality.

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Using the Command Line

The solution contributed by Wes Vaske [here](#) has been fully implemented into HammerDB (with modifications) at version 2.17 and therefore requires no additional code enhancements to run HammerDB from CLI within a Windows or Linux environment. Although HammerDB still requires a graphical display to run this functionality enables the user to interact with an external environment and script multiple test runs whilst modifying the configuration.

HammerDB CLI

HammerDB can continue to be started in an interactive mode as previously by running `hammerdb.tcl` on Linux and `hammerdb.bat` on Windows, however new functionality has been added on both Linux and Windows to accept the keyword “auto” followed by the name of a script to run, this script must end in the extension `.tcl`.

```
./hammerdb.tcl auto  
Usage: hammerdb.tcl [ auto [ script_to_autoload.tcl ] ]
```

For example

```
./hammerdb.tcl auto newtpccscript.tcl
```

On doing so HammerDB will now load the script `newtpccscript.tcl` at startup and immediately enter the autopilot sequence defined in `config.xml`. Upon completion HammerDB will exit. As detailed in the post linked above this functionality enables the potential to run workloads such as the following with multiple sequences of autopilot interspersed with a database refresh.

```
#!/bin/bash  
  
set -e  
SEQ1="4 6 8 10"  
SEQ2="12 14 16 18"  
SEQ3="20 22 24 26"  
CONFIGFILE='/usr/local/hammerDB/config.xml'  
RUNS=6  
  
for x in $(eval echo "{1..$RUNS}")
```

```

do
    # Running a number of passes for this autopilot sequence
    echo "running run $x of $RUNS"

    for s in "$SEQ1" "$SEQ2" "$SEQ3"
    do
        echo "Running tests for series: $s"
        sed -i
"s/<autopilot_sequence>.*<\ autopilot_sequence>/<autopilot_sequence>${s}
<\ autopilot_sequence>/" $CONFIGFILE

        (cd /usr/local/hammerDB/ && ./hammerdb.tcl auto
TPCC.postgres.tcl)

        echo "Reloading data"
        ssh postgres@postgres '/var/lib/pgsql/reloadData.sh'
    done
done

```

This solution coupled with autopilot enables considerable flexibility in defining and executing automated database test workloads.

Support and Questions

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