Requires ***Proc::ProcessTable***

yum –y install gcc

> perl -MCPAN -e shell

> install Proc::ProcessTable

JP / Grant still cleaning this up but is a start.  
  
JP if you can extend this to Impala that will put us on a good start.  
We will need some features such as something that will not run broken queries when we do the Impala query mix. I'm still working the Hive end.  
  
TPCDSatronic  
TPCDSatronic is a tool for running TPC queries on Hive. It can be extended to Impala pretty easily.  
  
It supports sequential execution of queries, simultaneous execution of a given query at a given concurrency, or running a mix of queries at a given concurrency.  
  
There are 3 subdirectories in the package:  
- generator: Generates TPC data.  
- queries: Original and ported versions of queries  
- runner: Scripts to run queries and make reports based on runs  
  
Runner is the main thing you're looking for.  
  
The Generator Command  
This command will run a set of TPC-DS queries and store the output in a directory. You can feed this output into makeReport. The generator will capture all Hive settings and the start time. It does not attempt to capture logs.  
  
Options:  
 -d Database to use. Mandatory.  
-h If you don't want to use hive from the path, specify an alternate here  
-n Number of queries to run  
-q The query to run if you only want to run one query multiple times  
-s Number of simultaneous executions  
-i Hive include file. Can be used more than once.  
-r Runid directory. By default will use $$.  
  
The makeReport Command  
Reports the outcome of a generator run. Certain statistics are extracted from the file and printed to the console in space delimited form.  
  
Example usage:  
./generate -d orc\_scale\_200 -q query27 -n 30 -s 5 -r my\_run  
When this is concluded  
./makeReport runs/my\_run  
  
Notes:  
Includes are in the runner/settings directory.  
init.settings and getdate.settings are always included. You can include more with -i.  
  
Getting It  
Ideally would be on github.  
  
For now it is on [https://docs.google.com/a/hortonworks.com/file/d/0B5JsApWKi777M2dHUWc1VVN1Xzg/edit?usp=sharing](https://docs.google.com/a/hortonworks.com/file/d/0B5JsApWKi777M2dHUWc1VVN1Xzg/edit?usp=sharing" \t "_blank)

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