**Description**

This is a utility script to execute caliper and do caliper dependancy check and installation in host and target.

This file can be used to automate caliper execution. This is not part of caliper framework but just the helper scripts for automation.

NOTE:

* REBOOTING THE TARGET MACHINE SHOULD BE DONE BY THE USER, THE SCRIPT WILL NOT DO IT.
* NEVER RUN THE SCRIPTS AS A SUDO USER.

**Instruction**:

**1.** Download and keep the required toolchains in the "Scripts/toolchain/". If not then the script will do it for you :)

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**2.** Download the following packages on your "CLIENT" machine manually as the **script will not be able to install it automatically**.

-sudo apt-get install mysql-server, (NOTE: user=root, password=root)

-sudo apt-get install libmysqlclient-dev

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**3.** Add the client information in the automation.cfg file

For Example:

[CLIENT\_1]

ip = x.x.x.x

user =

password =

autoSetupSystem = y or n

checkDependency = y or n

caliper\_option = -bRPSf demo

mount\_point = /dev/sdX

[CLIENT\_2]

ip = x.x.x.x

user =

.

.

.

NOTE:

* If three clients are to be executed then there should be CLIENT\_1, CLIENT\_2 and CLIENT\_3 section in the automation.cfg
* If the password contains special character "$" then prefix with "\"

For Example:

abc$1623 -> abc\$1623

* autoSetupSystem ,if
  + "y" = Automatically run's all sudo commands without asking the user.
  + "n" = Prompts the user every time a sudo command is to be executed.
* checkDependency
  + "y" = Checks all the dependencies and then triggers caliper.
  + "n" = Directly tiggers caliper without checking any dependencies.
* mount\_point = The disk which you want to use for storage testing.

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**4.** Create a testlist file for each client, "testlist\_X" file contains a list of test to be performed by caliper, put an '#' symbol before the test name you wish to not execute. **Copy the testList\_template to testlist\_X and modify it.**

For Example:

#[tinymembench]

#[openssl]

[coremark]

#[scimark]

#[linpack]

[hadoop]

This will not execute tinymembench, openssl, scimark and linpack

NOTE:

* testlist\_1 corresponds to target1
* testlist\_2 corresponds to target2

so on . .

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**5.** If you want to copy the caliper output to a database then fill in the Database\_X files present in Database\_cfg folder.

[DATABASE]

ip =

user =

password =

folder =

File these values according the following command

**scp $user@$ip:$folder**

NOTE:

* Database\_1 corresponds to target1
* Database\_2 corresponds to target2

so on . .

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**6.** Run the main.sh file. (./main.sh)