

okay, this is a beta copy - everything seems to be working. I've based it off the Musky benchmark, so you just need to extract the zip into that dir.

Using your own MySQL Database.

If you want to run your own DB server (it defaults to the ServeTheHome DB server) then you need to create the DB table. To create the MySQL table, from the \FAHBench dir do:

```
mysql -u root -p
create database SomeName;
quit
```

Somename is whatever you want the Database to be named, then do:

```
mysql -u root -p SomeName < createtable.sql
```

Use root, or some other administrator account to create it. You also need to create a user and give it insert access to the FAHBench catalog.

I was going to do this using the MySQL connector but decided instead to go with a zero add-on approach. Using the MySQL CLI I can do the updates without requiring installation and configuration of the connector.

UAC

The Bench calls CPU-Z to get the hardware info - model, name, speed etc. Depending on your UAC setting you may be prompted to allow it to run.

Configuring

On the first run, Bench will prompt you to configure it. You can also reconfigure it by doing "***bench -config***"

The following fields must be set:

Number of Frames: If using Bench to run Benchmark frames enter a value between 3 and 100 inclusive. This is the number of frames that the WU will be benchmarked for.

Use DB: If Yes, then the results will be written to the MySQL database specified below. If No, the DB related prompts will not be presented.

DB Server IP: The IP address or DNS Name of the MySQL server to connect to. (Default : *mysql.folding.servethehome.com*)

DB Server Port: The TCP Port to connect to the DB Server over (Default: 3306)

DB Schemata Name: This is the MySQL schemata (database) used for storing the data. (Default: *sth_folding_db*)

DB Server Username: The user to connect to the DB Server as (Default is for STH - *sth_fdb_1*)

DB Server Password: The password associated with the user above.

Username: Your folding username, or the username you want associated with your results. Can be left to blank to return as Anonymous.

Workdir: This is for monitoring live folding - it is the location of your FAHLog.txt.

Notes: Any specific information you want recorded with results from this machine.

Usage

Bench <WU number> | -live | -config

<wu number> : Runs the specified bench unit for 'frames' frames. If the WU doesn't exist - it errors and aborts.

-live : Monitors and reports on the FAHlog from the specified workdir

-config : reruns the initial config routine.

Changelog

1.08

Added initial config

Added -config switch

Added FAHCore and Notes fields

Fixed issue that would cause Bench to lose sync if a WU was restarted and a new logfile was started.

1.07 -

Replaced 64 bit MySQL client with 32 bit version.

Uses the newest CPU-Z which doesn't require a driver to be copied.

Added estPoints and estPPD for the WU

Fixed issue that caused -live to lose sync with the FAH Client

Made the initial LoadTest proportional to the number of cores in the PC.

1.06

Added the monitoring of live FAH units. To use, extract the ZIP into your live FAH directory then run with:

"bench -live"

1.05

Fixed a compiler issue that caused the benchmark to consume up to a core constantly.

Fixed an issue with queue.dat becoming corrupted and real WU's being downloaded.

Insufficient core loading on a CPU with P-state management could prevent it hitting P0, leading to inaccurate CPU Freq measurement.

Added additional Dimm counting routine incase CPU-Z fails.

Changed the core app back to FAHBenchmarkApp.exe

1.04

Changed over from getting data from a multitude of sources to a single source CPU-Z

1.03

Rewrote cache detection routines to work with Sandy Bridge

Added Memory DIMM counts

1.00 - 1.02

Proof of concept builds