Tejas Instructions

October 4, 2018

1 How To Setup Tejas

1.1 Pre-requisites

1. Download Intel PIN. Tested for version 3.7 Kit: 97619 https://software.intel.com/en-us/articles/pin-a-binary-instrumentation-tool-downloads

2. Java version: openjdk8

3. make

4. ant

5. g++

1.2 Commands To Build

Make changes to (set absolute path as per your machine) :
`src/simulator/config/config.xml`
`src/emulator/pin/makefile_linux_mac`
After the changes are done, run
ant make-jar
If everything goes well, this will create a jars folder with tejas.jar in it.
To test everything works, run
cd tests
./test.sh

2   Running a Bag of Tasks

Note: This will work for file mode only.

1. Search for the *Applications* tag in the config file.

2. Add the paths of the trace files (benchmarks) and the number of threads which you want to run for each benchmark.

3   Intermediate Statistics

You can dump the intermediate statistics from a running simulation by sending a "kill -1" signal to the Java process. example: kill -1 <java-pid>

4   Cache Warmup

Set the parameter $NumInsForCacheWarmup$ in config.xml for cache warmup.