Vertex Labs – Performance Testing

User guide

Getting started

1. Install the agent on the machines you want to generate the load – its ok if you are doing this on a single machine, you'll have the host and agents running on the same box
    a. Expand the appropriate agent (windows or linux) onto your agent machines
    b. For windows, you can install it as a service, or just run runAgent.bat to fire up an agent
    c. For linux, you have pretty much the same options, agent.sh has all the targets for the service wrapper
2. Fire up the agents in a console window so you can see the output – once you've setup logging and have mature tests this bit becomes less useful, you'll want to run the agents as services
3. Create a host configuration xml file. This is an example one to get you started

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<hostConfiguration timeoutUnits="SECONDS" timeout="500" reportsDir="temp/reports/test">
    <agentInstruction host="localhost">
        <testInstruction threads="1"
classname="com.vertexlabs.performance.examples.FactorialTest"/>
        <testInstruction threads="1"
classname="com.vertexlabs.performance.examples.SineWaveTest"/>
    </agentInstruction>
</hostConfiguration>
```

4. Launch the host from your IDE, passing the configuration file as a parameter
    a. Main class : com.vertexlabs.performance.PerformanceHost
    b. The argument should be the name of the config xml file
5. The host will connect to the agents, distribute their instructions and then wait for the tests to complete
6. The agents will execute the tests and then send back the results to the host for processing
7. Once the results are in, the host will run a simple report on the data. This is saved as an html report with charts, and also the raw csv data as well if you want to process it further youself