LoadTester command line tool

Contents

Introduction

LoadTester.exe is a command line tool that is capable of launching predefined stress test scenarios. You can use this tool to integrate stress testing within your testing solution.

Get started with LoadTester.exe

In order to use this command line tool you have to first define your stress test scenarios by using PI Engine.

Scenario definition:

Please refer to the following documents to create your stress test scenarios:

- HTTP stress Test.pdf
- SQL Server Stress Test.pdf
- Oracle Stress Test.pdf
- MySQL Stress Test.pdf

Those documents can be download from http://www.piengine.net/Resources

Once you have defined your desired scenario you have to save it by using the *"Save"* link button. For example in the *HTTP Loader* tab, the link button is on the right part.
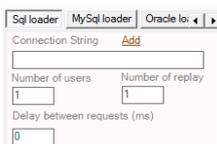

Specify the number of users, scenario replays and delays

LoadTester.exe will use the configured values that you have set in PI Engine with the configuration dashboard:

1. Launch PI Engine
2. Open the configuration dashboard 🔧
3. Select the desired load tester tab page:

4. Fill all the information needed like the number of users, the number of replay, the delay between requests and the connection strings if applicable.
5. Save the configuration dashboard

The parameters you have set in the configuration dashboard will be used directly by the LoadTester.exe when it is launched.

Launcing the command line tool:

Once your scenario is saved and the configuration set as described above, you can launch the LoadTester.exe by following those steps:

1. Open a DOS command prompt
2. Go to the PI Engine installation directory
3. Execute the following commands depending on the type of stress test you are performing:

```
LoadTester.exe http c:\scenarios\myScenario.xml c:\results
LoadTester.exe sql c:\scenarios\myScenario.xml c:\results
LoadTester.exe mysql c:\scenarios\myScenario.xml c:\results
LoadTester.exe oracle c:\scenarios\myScenario.xml c:\results
```

The tool takes 3 arguments:

- The test type. The possible values are *http, sql, mysql or oracle*
- The full path to the scenario file that was created with PI Engine
- The directory that will contain the stress test results