

LeanServer

We do A LOT of load testing

So we needed a tool to generate lots of load, and see how our applications handle it.
We tried Visual Studio Load Test, WCAT, and others, but couldn't generate the kind of load we needed.
So we wrote our own.

```
Administrator: C:\Windows\system32\cmd.exe
Total Requests : 17206
Total Completed : 17120
Total Succeeded : 17120
Total Active : 86

Total Errors : 0
Errors Per Second : 0
Errors Per Second Average : 0

Last latency : 30 ms
Average latency : 28.0102839780305 ms

Last Requests Per Second : 2483
Weighted Requests Per Second : 1935.5209004051
Enter new RPS:
```

Loader is a simple to use command-line load testing tool.

It easily generates **thousands of active requests** from a single machine, does **every kind of testing**, and **logs real-time data**.

We were surprised by how much people loved this simple tool.



You can use Loader to:

Ramp up the request load to your application until it breaks. You can start with a low RPS and increase it manually while watching the latency, errors, and RPS. It's easy to do manual testing to find the breaking point.

Simulate real traffic. You can define a set of load points for the loader to cycle through, or even provide your own custom load algorithm.

Create custom load scripts. Specify XML scripts that can contain weighted urls, querystring parameter distributions from ranges or text files, or write your own script provider.

Export performance counters. Loader can publish all of the data it collects as performance counters, that you can watch with PerfMon, or collect with [LeanServer's Sentinel](#). We use Loader with Sentinel to record application performance for our load tests.

Do upload or POST testing. Loader has a lot of features for testing form POSTs and file uploads. We use it to test [LeanServer ScaleUP](#), our enterprise upload engine.

Examples:

```
// Manual load test
HttpLoadDriver.exe http://mysite

// Set some traffic parameters
HttpLoadDriver.exe http://mysite /RPS:100 /Active:20

// Traffic pattern
HttpLoadDriver.exe "http://mysite/"
/at:HttpLoadDriver.Algorithms.TargetPoints
/acs:10,50,100,200,250,300,350,250,150,150,100
```

FEATURES

- **Advanced traffic shaping.** Throttle request and response rates, inject delays, control concurrency and connections.
- **Watch the performance.** Monitor RPS, latencies, errors.
- **Nifty logging.** Log only failures or all requests, log entire request/response details, etc.
- **Scripting.** Design custom load tests with url scripts, parameter ranges and file-based parameter distributions.
- **Load patterns.** Define load patterns with the built in target points algorithm, or provide your own.

To learn more, and try out Loader, visit www.leanserver.com/Lab.