

gobench

HTTP/HTTPS load testing and
benchmarking tool

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\$>whoami

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The problem

In the world of Internet Of Things we have tens & hundreds of thousands concurrent clients, how do we simulate and test it without paying to our cloud provider for a servers farm??

Existing solutions

- Basic: JMeter
 - **BUT** thread per connection model can't scale, you can simulate only few thousands of clients on that model, so you will need a servers farm
- Highly-scalable: ab, siege, weighttp, httpperf, wrk;
 - **BUT** all of them are C/C++ - what if we need some customizations???

Existing solutions

- Highly-scalable & easy customizations - there are a lot of tools out there
 - Java tools based on Netty/Grizzly :: **asynchronous hell!**
 - Node.js tools :: **asynchronous hell!**
 - Python tools :: **versions and dependencies are nightmare!**

The solution - gobench

- Highly-scalable :: same performance like any C/C++ tool and scale on multi-core system thanks to Golang
- Open tens of thousands of connections from single instance
- Easy compilation :: few seconds compilation of one static binary without dependencies hell
- Easy deployment ::
 - compile on one Linux distro, and run in any Linux distro, thanks to Golang ABI
 - multi-platform and multi-cpu-architecture support thanks to Golang
- Easy to jump into it :: just 350 lines of code on single source file
- support GET/POST
- support SSL/TLS

gobench

clone me on GitHub

<https://github.com/cmpxchg16/gobench>