



Build your own HTTP server

Learn about TCP servers, the HTTP protocol and more

Start Building



This challenge is free until 1 April 2024!

HTTP is the protocol that powers the web. In this challenge, you'll build a HTTP server that's capable of handling simple GET/POST requests, serving files and handling multiple concurrent connections.

Along the way, we'll learn about TCP connections, HTTP headers, HTTP verbs, handling multiple connections and more.

Stages

- | | |
|------------------------|-----------|
| Bind to a port | VERY EASY |
| Respond with 200 | VERY EASY |
| Respond with 404 | EASY |
| Respond with content | EASY |
| Parse headers | EASY |
| Concurrent connections | EASY |
| Get a file | MEDIUM |
| Post a file | MEDIUM |



There are few sites I like as much that have a step by step guide. The real-time feedback is so good, it's creepy!

**Ananthalakshmi Sankar**

Automation Engineer at Apple



I think the instant feedback right there in the git push is really cool. Didn't even know that was possible!

**Patrick Burris**

Senior Software Developer, CenturyLink



Programming challenges for seasoned developers.



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