

Catalog Badges Vote

Feedback

Upgrade

tasnuval 🗸

Build your own HTTP server

Learn about TCP servers, the HTTP protocol and more





Start Building

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

Extract URL path

EASY

Respond with body	EASY		
Read header	EASY		
Concurrent connections	EASY		
Return a file	MEDIUM		
Read request body	MEDIUM		
HTTP Compression			
Compression headers	EASY		
Multiple compression schemes	MEDIUM		
Gzip compression	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!



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.





CHALLENGES	SUPPORT	COMPANY	LEGAL
Git	Docs	About	Terms
Redis	Status	Changelog	Privacy
Shell			
SQLite			
Grep			
BitTorrent			
HTTP Server			
DNS Server			

 $\ensuremath{\texttt{©}}$ 2024 CodeCrafters, Inc. All rights reserved.