



Build your own DNS server

Learn about the DNS protocol, DNS record types and more.

Start Building













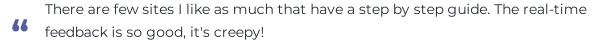


DNS is a protocol used to resolve domain names to IP addresses. In this challenge, you'll build a DNS server that's capable of responding to basic DNS queries.

Along the way you'll learn about the DNS protocol, DNS packet format, DNS record types, UDP servers and more.

Stages

Setup UDP server	VERY EASY
Write header section	MEDIUM
Write question section	MEDIUM
Write answer section	EASY
Parse header section	HARD
Parse question section	EASY
Parse compressed packet	MEDIUM
Forwarding Server	MEDIUM





Ananthalakshmi Sankar

Automation Engineer at Apple

Privacy



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
Git	Docs
Redis	Status
Docker	
SQLite	
Grep	
BitTorrent	
HTTP Server	
DNS Server	
COMPANY	LEGAL
About	Terms

Changelog

 $\hbox{@ 2023 CodeCrafters, Inc.\,All rights reserved.}$

