

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 |



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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