CodeCrafters

Build your own BitTorrent

Learn about .torrent files, the BitTorrent Peer Protocol and more

Start Building

BitTorrent is a peer-to-peer file sharing protocol used for distributing large amounts of data. In this challenge, you'll build a BitTorrent client that's capable of downloading a publicly available file using the BitTorrent protocol.

Along the way, you'll learn about the BitTorrent protocol, .torrent files more.

Stages

Decode bencoded strings	VERY EASY
Decode bencoded integers	EASY
Decode bencoded lists	EASY
Decode bencoded dictionaries	EASY
Parse torrent file	EASY
Calculate info hash	MEDIUM
Piece hashes	EASY
Discover peers	MEDIUM
Peer handshake	MEDIUM
Download a piece	HARD
Download the whole file	HARD

" 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.

CHALLENGES

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SQLite

Grep

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