

[Express /Node.js]

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Code Repository	https://github.com/nodejs/node/blob/v19.9.0/lib/net.js
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Magic ★★°°☾°°👉°°★☸️★🌀

Dispel the magic of this technology. Replace this text with some that answer the following questions for the above tech:

- How does this technology do what it does? Please explain this in detail, starting from after the TCP socket is created

In order to create the socket the node: net module is required which, provides an asynchronous network API for creating stream-based TCP or IPC servers (`net.createServer()`) and clients (`net.createConnection()`). then from this library a `net.Socket` object is created and assigned to `client1`, creating a socket to connect to the server. `client1` then uses `client1.connect()` to connect to port 8080 within the library function `connect` which checks if the port is being used and then publishes the socket to be able to use that port, if already in use then it is set to timeout. Then returns the socket connecting to the port. `net.createServer` within the library starts in the `createServerHandler` which takes the address, port, address type, `fd`, and flags as parameters and returns a `TCPConstraintServer`. `Server.listen` makes sure the server is functional, it does this by creating a prototype dummy server and then testing to make sure that it is good to use.