

Node.js for Beginners

Lab Exercise 4

1. Write an express web server that is protected with basic auth.

- Write a package.json file with express as a dependency.
- Set up a route. It doesn't matter what it is.
- Set up the basicAuth middleware before your route.

2. Express requests have a 'headers' object. One of the properties of the object is 'user-agent'. The user-agent string contains rich information about the user. Write an express server that uses sessions to remember the user agent of a user and track the number of requests that have been made by that user.

- Write a package.json file with express as a dependency.
- Set up an express server file.
- Use the express 'cookieParser' and 'session' middleware.
- Set up a route. If the user's 'useragent' isn't in the session store, add it.
- If you haven't recorded the number of requests by the user, set it to 1.
- Otherwise, add one to that value.
- Respond with 200.

3. Write a node script that uses bcrypt to hash and salt the string 'passw0rd'.

- Setup a package.json file with bcrypt as a dependency.
- Make a node script. Require bcrypt.
- Generate a salt, everything else will be in the callback.
- Generate a hash of the string 'passw0rd'. Pass in the salt.

An example of the user-agent is: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_9_2) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/33.0.1750.117 Safari/537.36.

