



search...



ookamonus



Configuration

In the configuration file, check whether you can do the following and test the result:

- Search for the HTTP response status codes list on the internet. During this evaluation, if any status codes is wrong, don't give any related points.
- Setup multiple servers with different ports.
- Setup multiple servers with different hostnames (use something like: curl --resolve example.com:80:127.0.0.1 <http://example.com/>).
- Setup default error page (try to change the error 404).
- Limit the client body (use: curl -X POST -H "Content-Type: plain/text" --data "BODY IS HERE write something shorter or longer than body limit").
- Setup routes in a server to different directories.
- Setup a default file to search for if you ask for a directory.
- Setup a list of methods accepted for a certain route (e.g., try to delete something with and without permission).

Yes

No

Basic checks

Using telnet, curl, prepared files, demonstrate that the following features work properly:

- GET, POST and DELETE requests should work.
- UNKNOWN requests should not result in a crash.
- For every test you should receive the appropriate status code.
- Upload some file to the server and get it back.

Yes

No

Check CGI

Pay attention to the following:

- The server is working fine using a CGI.
- The CGI should be run in the correct directory for relative path file access.
- With the help of the students you should check that everything is working properly. You have to test the CGI with the "GET" and "POST" methods.
- You need to test with files containing errors to see if the error handling works properly. You can use a script containing an infinite loop or an error; you are free to do whatever tests you want within the limits of acceptability that remain at your discretion. The group being evaluated should help you with this.

The server should never crash and an error should be visible in case of a problem.

Yes

No

Check with a browser

- Use the reference browser of the team. Open the network part of it, and try to connect to the server using it.
- Look at the request header and response header.
- It should be compatible to serve a fully static website.
- Try a wrong URL on the server.
- Try to list a directory.
- Try a redirected URL.
- Try anything you want to.

Yes

No

Port issues

- In the configuration file setup multiple ports and use different websites. Use the browser to ensure that the configuration works as expected and shows the right website.
- In the configuration, try to setup the same port multiple times. It should not work.
- Launch multiple servers at the same time with different configurations but with common ports. Does it work? If it does, ask why the server should work if one of the configurations isn't functional. Keep going.

Yes

No

Siege & stress test

- Use Siege to run some stress tests.
- Availability should be above 99.5% for a simple GET on an empty page with a siege -b on that page.
- Verify there is no memory leak (Monitor the process memory usage. It should not go up indefinitely).
- Check if there is no hanging connection.
- You should be able to use siege indefinitely without having to restart the server (take a look at siege -b).
- When conducting load tests using the siege command be careful! It depend of your OS, it is crucial to limit the number of connections per second by specifying options such as -c (number of clients), -d (maximum wait time before a client reconnects), and -r (number of attempts). The choice of these parameters is at the discretion of the evaluator, however, it is imperative to reach an agreement with the person being evaluated to ensure a fair and transparent assessment of the web server's performance.

Yes

No

Bonus part

Evaluate the bonus part if, and only if, the mandatory part has been entirely and perfectly done, and the error management handles unexpected or bad usage. In case all the mandatory points were not passed during the defense, bonus points must be totally ignored.

Cookies and session

There is a working session and cookies system on the webserver.

Yes

No

CGI

There is more than one CGI system.

Yes

No

Ratings

Don't forget to check the flag corresponding to the defense

✓ Ok

★ Outstanding project

Empty work

Incomplete work

Invalid compilation

Cheat

Crash

Incomplete group

Concerning situation

Leaks

Forbidden function

Can't support / explain code

Conclusion

Leave a comment on this evaluation (2048 chars max)

Excellent work.

Everything works according to the subject requirement and their explanation was clear and straight forward. Great Job!

Finish evaluation

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