461 Project 4 Report

Team members:
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Zone name:
null.cse461

config file name:
foo.bar.config.ini

Extension:
We implemented Resolver Cache in a different way. We keep an cache mapping from name to record as usual. However, instead of removing record from the map after timeout, we keep everything in the map, if someone asks the same name again, we just directly resolve to the old cached address, and see if the address is still alive. If it is, we returns the result, otherwise, we resolve from root and update the cache

3.
Enter a host name, or exit to exit: null.submit.test.cse461
No address is currently associated with that name

Enter a host name, or exit to exit: w.null.submit.test.cse461
w.null.submit.test.cse461: [name: w.null.submit.test.cse461., ip: 10.0.0.246, port: 1219, type: A]

Enter a host name, or exit to exit: x.null.submit.test.cse461
No address is currently associated with that name

Enter a host name, or exit to exit: y.null.submit.test.cse461
y.null.submit.test.cse461: [name: submit.test.cse461., ip: 128.208.2.207, port: 46132, type: SOA]

Enter a host name, or exit to exit: z.null.submit.test.cse461
z.null.submit.test.cse461: [name: null.cse461., ip: 69.91.176.43, port: 12358, type: SOA]