

OVERVIEW

This above describes the logfile for the project in a linear topology setting. As we can see the **TTL** reduce to 0 and the **SUPERPEER-QUERY** is occurring between neighbors. It was important to note that the max TTL setting had to be 10 for this scenario because there are 10 super peers and if the first superpeer is requesting from the last superpeer it must have a minimum of 10 TTL in order to reach it. Furthermore, we may also note that there is **"has been seen!"** message that gets printed on superpeers that have already sent a query in the past so as to not send the query on the same message id again.

LOGFILE

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2022-03-06 23:07:12,140 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] [SUPERPEER-QUERY] Received Query message from
localhost:1237 QueryMessage [key=unit_test.txt TTL 7] at localhost port 1234
2022-03-06 23:07:12,142 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] Has been seen! Query message from localhost:1237
QueryMessage [key=unit_test.txt TTL 7] at localhost port 1234
2022-03-06 23:07:12,184 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] [SUPERPEER-QUERY] Received Query message from
localhost:1237 QueryMessage [key=unit_test.txt TTL 7] at localhost port 1240
2022-03-06 23:07:12,247 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] [SUPERPEER-QUERY] Received Query message from
localhost:1240 QueryMessage [key=unit_test.txt TTL 6] at localhost port 1237
2022-03-06 23:07:12,250 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] Has been seen! Query message from localhost:1240
QueryMessage [key=unit_test.txt TTL 6] at localhost port 1237
2022-03-06 23:07:12,296 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] [SUPERPEER-QUERY] Received Query message from
localhost:1240 QueryMessage [key=unit_test.txt TTL 6] at localhost port 1243
2022-03-06 23:07:12,343 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] [SUPERPEER-QUERY] Received Query message from
localhost:1243 QueryMessage [key=unit_test.txt TTL 5] at localhost port 1240
2022-03-06 23:07:12,344 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] Has been seen! Query message from localhost:1243
QueryMessage [key=unit_test.txt TTL 5] at localhost port 1240
2022-03-06 23:07:12,374 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] [SUPERPEER-QUERY] Received Query message from
localhost:1243 QueryMessage [key=unit_test.txt TTL 5] at localhost port 1246
2022-03-06 23:07:12,422 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] [SUPERPEER-QUERY] Received Query message from
localhost:1246 QueryMessage [key=unit_test.txt TTL 4] at localhost port 1243
2022-03-06 23:07:12,423 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] Has been seen! Query message from localhost:1246
QueryMessage [key=unit_test.txt TTL 4] at localhost port 1243
2022-03-06 23:07:12,445 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] [SUPERPEER-QUERY] Received Query message from
localhost:1246 QueryMessage [key=unit_test.txt TTL 4] at localhost port 1249
2022-03-06 23:07:12,507 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] [SUPERPEER-QUERY] Received Query message from
localhost:1249 QueryMessage [key=unit_test.txt TTL 3] at localhost port 1246
2022-03-06 23:07:12,508 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] Has been seen! Query message from localhost:1249
QueryMessage [key=unit_test.txt TTL 3] at localhost port 1246
2022-03-06 23:07:12,606 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] [SUPERPEER-QUERY] Received Query message from
localhost:1249 QueryMessage [key=unit_test.txt TTL 3] at localhost port 1252
2022-03-06 23:07:12,664 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] [SUPERPEER-QUERY] Received Query message from
localhost:1252 QueryMessage [key=unit_test.txt TTL 2] at localhost port 1249
2022-03-06 23:07:12,665 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] Has been seen! Query message from localhost:1252
QueryMessage [key=unit_test.txt TTL 2] at localhost port 1249
2022-03-06 23:07:12,732 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] [SUPERPEER-QUERY] Received Query message from
localhost:1252 QueryMessage [key=unit_test.txt TTL 2] at localhost port 1255
2022-03-06 23:07:12,793 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] [SUPERPEER-QUERY] Received Query message from
localhost:1255 QueryMessage [key=unit_test.txt TTL 1] at localhost port 1252
2022-03-06 23:07:12,794 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] Has been seen! Query message from localhost:1255
QueryMessage [key=unit_test.txt TTL 1] at localhost port 1252
2022-03-06 23:07:12,819 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] [SUPERPEER-QUERY] Received Query message from
localhost:1255 QueryMessage [key=unit_test.txt TTL 1] at localhost port 1258
2022-03-06 23:07:12,851 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] [SUPERPEER-QUERY] Received Query message from
localhost:1258 QueryMessage [key=unit_test.txt TTL 0] at localhost port 1255
2022-03-06 23:07:12,852 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] Has been seen! Query message from localhost:1258
QueryMessage [key=unit_test.txt TTL 0] at localhost port 1255
2022-03-06 23:07:12,885 [INFO|project3.pa1.RMIServerInterfacelImpl|SuperPeerIntefacelImpl] [SUPERPEER-QUERY] Received Query message from
localhost:1258 QueryMessage [key=unit_test.txt TTL 0] at localhost port 1261
//////// end of SIMULATION //////////
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