

Route Visualizer Improvements

1. Correct traceroute number in raw file, currently it is always 1 [Done 8/30/07]
2. Correct nodes (routers mainly) identified like n0x9435b80, tried deleting in dot file but more complex (9/15/07)
3. Some routers identified by ip address but should be name
4. Fix the legend or whatever it is [Done 8/30/07]
5. Many end countries have no node [Done 8/30/07]
6. Add unique traceroute number to end node
7. Some end nodes are ellipses, should only be rectangles: Akbar
8. For Africa there are some end countries such as CH, NO that are not in Africa [Done 8/30/07]
9. Can we include the RTT in the end node [Drop probably not very useful and a lot of work]?
10. Can we color the links by the RTT [Drop 8/30/07]?
11. Some countries (e.g. SN for Africa) have no name
12. Why for Kinshasa router server in DRC (CD) is it labelled CG (Congo) [Understood]?
13. Add as a comment the landmark, userid, executing host, name & path of executing script, date to raw and annotated traceroute data (Les is working on 9/1/07): Les
14. Need to allow replacement with Hostip.info see for example <http://www.maxmind.com/app/geolitecountry> and <http://www.maxmind.com/app/geolitecity> (Akbar will do 8/9/07): Akbar.
15. Look at how to disambiguate horizontal lines:
 - a. Write script to remove the subgraph clusters while retaining the country names.
 - b. Play with the ranksep (which increases the vertical separation)
 - c. Randomly color edges: Akbar
16. Need to update the documentation,
 - a. Indicate how to interpret the topology graph [Done Les 9/1/07]
 - b. The information on debugging seems to need attention [Done Les 9/15/07]
 - c. Reduce the width needed [Done Les 8/23/07]
17. Does not correctly show end country, in the example below the route is identified from BR to UY but it should be BR to PE. Since the traceroute terminates before Peru it does not find the end country [Done 8/30/07].

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traceroute to 200.37.45.39 (200.37.45.39), 30 hops max, 38 byte packets
 1  200.143.197.129 (200.143.197.129)  0.892 ms  0.783 ms  0.759 ms
 2  ge-1-0-0-r1-rj.bkb.rnp.br (200.143.252.181)  3.058 ms  0.590 ms  0.706 ms
 3  so-0-1-0-r1-sp.bkb.rnp.br (200.143.252.21)  6.326 ms  6.250 ms  21.632 ms
 4  rnp-whren-stm.ampath.net (198.32.252.221)  146.245 ms  143.362 ms  143.321 ms
 5  nlr.ampath.net (198.32.252.161)  177.944 ms  178.762 ms  181.123 ms
 6  216.24.184.90 (216.24.184.90)  341.576 ms  341.484 ms  342.770 ms
 7  saopaulo-buenosaires.core.redclara.net (200.0.204.37)  369.670 ms  369.690 ms  370.923 ms
 8  buenosaires-santiago.core.redclara.net (200.0.204.29)  389.121 ms  389.505 ms  389.805 ms
 9  raap-pe-sant.peer.redclara.net (200.0.204.158)  480.197 ms  484.125 ms  479.740 ms 10  * * *
11  * * *
12  *
__END__
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