RIPE-Atlas-tools

Hackdub18

Realtimeness

Starting points

- Current tools wait minutes, need fast, better!
- Need more data like ASNs
- Need more operator useful data/use-cases
- Beginners need an API key :-(
 Maybe create some API keys with some credit pool?

Feature request

- Annika had a use-case not covered by tools
- Fine grained probe selection
- Country AND ASN match both
- Branch https://github.com/kramse/ripe-atlas-tools/tree/probe-search
- Needs a little cleanup before it can be sent upstream

Easier for newcomers

- Made small changes to ripe-atlas-tools
- More user-friendly, report missing API key?
- Extend with new commands with sane default
- current tools can do all, but loooong command lines
- Just a few simple Git pull requests, to learn :-)
- https://github.com/RIPE-NCC/ripe-atlas-tools/pull/203
- https://github.com/RIPE-NCC/ripe-atlas-tools/pull/201
- Branch https://github.com/kramse/ripe-atlas-tools/tree/doc-healthcheck

Improvement colourise-traceroute

- Adding ASN, colour and latency bars
- ripe-atlas report --render traceroute_asboundry 14680937

```
Probe #32203
Sat Jun 23 13:34:38 IST 2018
                                                              0.962 ms
                                                                          0.737 ms
                                                                                        0.726 ms
  1 *
  3 be17.cbr01-ntr.net.bbox.fr
                                                                          26.219 ms
                                                    AS5410
                                                             25.572 ms
                                                                                       26.091 ms
  4 la12.rpt01-ix2.net.bbox.fr
                                                                          23.885 ms
                                                                                       24.203 ms
                                                    AS5410
  5 lag-106.ear3.paris1.level3.net
                                                                          24.336 ms
                                                    AS3356
                                                                                       23.88 ms
  6 ae-2-12.bar1.dublin3.level3.net
                                                             40.667 ms
                                                                         51.955 ms
                                                                                       40.23 ms
  7 libertyglobal-level3-30g.dublin3.level3.net
                                                            41.112 ms
                                                                         40.923 ms
  8 ie-dub02a-rc1-ae64-0.aorta.net
                                                                          50,428 ms
                                                    AS6830
                                                               50.5 ms
  9 ie-dsan-ram-a-ae1-0.aorta.net
                                                    AS6830
                                                             49.474 ms
                                                                          49.939 ms
                                                             48.276 ms
                                                                          49.002 ms
                                                                                       47.369 ms
 10 *
                                                    AS6830
 11 *
 12 *
 13 *
 14 *
 15 *
255 *
```

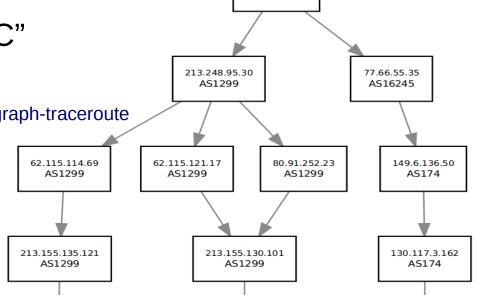
Graphing traceroute from measurement

 Idea from https://ring.nlnog.net/toolbox/ ring-trace tool can do some really nice graphs with Graphviz

Lots of problems - "its a PoC"

• Branch https://github.com/kramse/ripe-atlas-tools/tree/graph-traceroute

 Better to use pygraphviz? https://pygraphviz.github.io/



83.221.128.124

AS16245

77.66.55.131 AS16245