

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

1	*		0.962 ms	0.737 ms	0.726 ms	
2	*		*	*	*	
3	be17.cbr01-ntr.net.bbox.fr	AS5410	25.572 ms	26.219 ms	26.091 ms	
4	la12.rpt01-ix2.net.bbox.fr	AS5410	*	23.885 ms	24.203 ms	
5	lag-106.ear3.paris1.level3.net	AS3356	*	24.336 ms	23.88 ms	
6	ae-2-12.bar1.dublin3.level3.net	AS3356	40.667 ms	51.955 ms	40.23 ms	
7	libertyglobal-level3-30g.dublin3.level3.net	AS3356	41.112 ms	40.923 ms	41.199 ms	
8	ie-dub02a-rc1-ae64-0.aorta.net	AS6830	50.5 ms	50.428 ms	50.904 ms	
9	ie-dsan-ram-a-ae1-0.aorta.net	AS6830	49.474 ms	49.939 ms	53.425 ms	
10	*	AS6830	48.276 ms	49.002 ms	47.369 ms	
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/>

