RIPE Atlas

Robert Kisteleki
RIPE NCC

The Vision

- A collaborative, active measurement network

- Should potentially be on "unprecedented" scale, perhaps with vantage points in *every network*

- Community involvement - the RIPE NCC shouldn't do this alone

- Focus on the "network level" measurements as much as possible

- Create and nurture an ecosystem of contributors and users

- Provide a long-term, sustainable platform

What's In It For Me?

- ## For probe hosts

  - Baseline results; collect credits; provide a vantage point for others; feel-good;

- ## For anchor hosts

  - All of probe hosts benefits; be automatically measured;

- ## For network operators / RIPE NCC members

  - Use external vantage points; share results and tools; get alerts*;

- ## For researchers

  - Access to large volumes of collected data; extract new insights;

At 10 Years

- We're at ~11.400 connected probes

  - ~1.350 are v1/v2 (!)

  - ~6.000 are v3

  - ~2.600 are v4

  - ~750 are software

  - ~650 are anchors (about half of these are virtual)

- On average about 25.000 measurements are running

- We cover 177 countries, ~3.700 ASNs

- The "most alive" probe has been up and running for:

  - 9y 318d 16h 28m (and a bit more by now)

Celebrating 10 Years

- The RIPE Atlas UI got a significant facelift

  - Soon after RIPE 81

- We've just introduced "birthday presents" for probes

  - Recognising the long-term support from our probe hosts

- We're publishing some "tales from the past" and preparing a few other gimmicks

- Organising a RIPE NCC Open House event and a Deployathon

After 10 Years

- We plan to make the system more useful to more users

  - Better access to data (simpler, faster, …)

  - More out-of-the-box support for particular use cases

- Increase value for individual contributors such as probe hosts

- Improve on processes that "help our helpers"

  - E.g. ambassadors and sponsors

- Focus on increased network coverage, if possible

  - Various activities to get probes into more networks

Questions

robert@ripe.net
@kistel