MEASUREMENTS AND TOOLS

This is a one-day course. The topics include RIPE Stat and RIPE Atlas. The course is split between theory and hands-on exercises.

Goals

- Use RIPEstat to debug your own networks

- Find additional information about other networks

- Learn how to use RIPE Atlas for network monitoring and troubleshooting

- Learn how to create specific tailor-made measurements that suit your exact needs using API calls or the command line interface

- Opportunity for hands on practice

Pre-Requisites

- For the RIPEstat part you need a basic understanding of:

    - Networks

    - How the Internet works

    - IP, ASN, domains

    - RIPE Database

- For the RIPEs Atlas part you need a good understanding of:

    - Networks

    - How the Internet works

- For the RIPEs Atlas part you need a basic understanding of:

    - ping, traceroute

Course Content

RIPEstat

- Introduction
- Introduction to RIPEstat
- More about Widgets
    - *Exercise A: Querying for a Resource*
- Visualising BGP Routing Information
    - *Exercise B: BGPlay*
- Reporting Abuse
- Visualising RIPE Database Data
- Personalising RIPEstat
- Comparing Networks
    - *Exercise C: RIPEstat Quiz*
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RIPE Atlas

- Introduction to RIPE Atlas
- Using RIPE Atlas as a Visitor
- Looking up Public Probes
- Finding Results of a Public Measurements
    - *Demo and Exercise D*
- Network Monitoring
    - *Exercise E: Using Streaming API*
- Command-line Interface Toolset
    - *Exercise F: Using RIPE Atlas CLI*
- Use Cases
- More RIPE Atlas Features
- Take Part in the RIPE Atlas Community

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