RIPE NCC Measurements and Tools Training Course

Exercise Booklet

January 2017

Introduction

This course material and available updates can be found under
http://www.ripe.net/lir-services/training/courses

Exercise A: Querying for a Resource

Tasks:

In this exercise, you are going to use RIPEstat to query for resources (IP address ranges, AS Numbers) and find out more details about them.

1. Go to RIPEstat
   https://stat.ripe.net

2. What network announces 140.78.50.90? _____

3. Is 193.3.4.2 routed? _____

4. In which country is 91.229.42.0/23 used?_____

5. What is its corresponding INETNUM object?_____

6. What widget provides real-time routing status?_____

7. By what percent did the number of prefixes announced within Greece increase over the last two years?

   _____

8. How would you share interesting network events with a colleague?

   _____

Exercise B: BGPlay

Tasks:

In this exercise use the BGPlay widget to find the answers

1. Go to RIPEstat (https://stat.ripe.net), after querying find the BGPlay widget on the 'Routing' tab.

2. Find the up-stream provider for AS1205:_____

3. Is AS3333 multi-homed?_____

4. Check the IPv6 connectivity of your own network _____

Exercise X (Optional): Handling Abuse

Tasks:

1. In this exercise, you are going to find who to contact in case of abuse (hacking, spamming, etc)

2. Who is the abuse contact for 193.0.20.22 ?

    _____

3. Who is the abuse contact for the hotel network ?

    _____

4. What is the abuse contact for your home network ?

    _____

5. Discussion: What can you do in these cases ?

• No abuse contact found ?_____

• No response on an abuse report ?_____

Exercise Y (Optional): MyView

Tasks:

In this exercise, you are going to use the MyView feature of RIPEstat to select and arrange the widgets that you would like to have in your own personalised MyView tab.

1. Create a RIPE NCC Access account (if you don't already have one)
    https://access.ripe.net

2. Create a MyView for a prefix containing the following widgets:
    - Routing Status
    - Looking Glass
    - Routing History

3. Create another MyView with at least two widgets and give it a meaningful name

Exercise Y (Optional): MyView

Exercise Z (Optional): Comparing Results

Tasks :

In this exercise you test features to compare results in RIPEstat.

1. No login required

2. Go to the 'Use Cases' >'Compare Results' menu item at the top of the RIPEstat page.

3. Add widgets AND input query for each widget (ASN or IP or…).

4. You get a result page with widgets and query results

5. Share it via a permanent link

Exercise W (Optional): RIPEstat Use-Cases

Tasks :

In this exercise we discuss common use-cases that network operators can encounter and try to solve them using RIPEstat.