MANRS Route Collector

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Keeping an eye on the situation

- MANRS' action 1 - filtering - needs constant attention

  - Filters change

  - New BGP Sessions, new peers, new transits, etc…

- At present it is verified when a member joins, and manually from time to time

- We were looking for something automated to do it

MANRS Route collector(s)

- Let's build a route collector system

- We ask participants to peer with it

  - Multihop sessions initially, then hopefully directly at some IXPs

  - Using the same filters they use for all the other IXP Sessions

- This is going to generate more data we can show in the observatory and we can use to better help the members

MANRS Route collector(s)

- Based on ExaBGP

- Using the same base libraries as SHMIT for verification of the data

  - IRR

  - RPKI

  - ASN's customer cone

  - RIS for another point of view

Data generated

- Compliance with MANRS Action 1 (Filtering)

- Any anomaly detected will be shown in the observatory
  - We are discussing about implementing alarms

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The present

- Refining the code as we speak

- Starting first trials mid-July

- Hopefully opening it as public in August

The future

- Becoming a production service before the end of the year

- Adding more real-time features

- Open to more suggestions

Questions ?

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