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
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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