An appeal to "research" networks

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whoami

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Disclaimer

This presentation is solely my personal opinion, it doesn't reflect the opinion of:

- my employer
- DENOG e.V.
- Stuttgart-IX

"research" networks

What I DON'T mean:

Individuals or groups researching the internet (i.e. by running measurements)
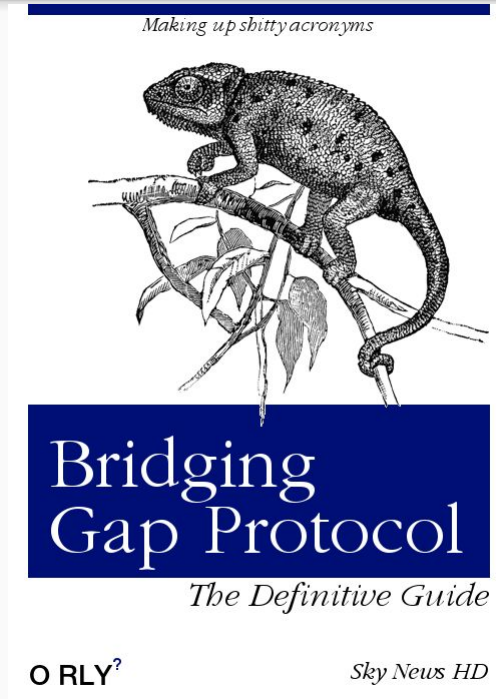
What I DO mean:

Individuals "researching" (as in learning) how the internet works

Why this presentation?

- I love the internet
- I want the internet to be stable & secure
- In the past multiple prefixes I maintain have been hijacked by these "research" networks
  - out of curiosity or due to lack of knowledge
  - hijacks spread amongst smaller IXPs & transits
  - despite being IRR & RPKI invalid

The appeal

It's great that you're learning about BGP!

Making up shitty acronyms

Bridging
Gap Protocol

The Definitive Guide

O RLY?

Sky News HD

Consider if you need to do this in the internet

- consider building a lab using GNS3 / eveNG / vrnetlab / VIRL / ...
- Join a VPN and network with others
  - dn42.net was built for this
    - It's also a great community

"With great ~~power~~ a public ASN comes great responsibility"

— *Spiderman*

Be a good netizen and implement MANRS actions

- **Prevent propagation of incorrect routing information**
  - Make sure you filter your outgoing announcements
  - ensure received prefixes are filtered
  - validate RPKI
- Prevent traffic with spoofed source IPs
- **Facilitate global operational communication and coordination**
  - Make sure others can reach you promptly
  - 24/7 NOCs with phone numbers are a good practice
- Facilitate routing information on a global scale
  - Make sure your IRR information and ROAs are up to date

Read more details about each action on MANRS.org

Questions? Opinions?