BGP operations and security

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draft-ijdurand-bgp-security-00.txt
BGP security policy

- Maybe a good idea to drive a bit IPv6 deployments with good IPv4 and IPv6
- Have consistent rules across the Internet
  - Help them build easily rules that work rules to follow
- More and more small ASN’s with little knowledge about
  - Many IETF docs, some well known pages…
  - Synthesise of many existing pieces available (Cymru, RIPE,)
- Describe BGP security best practices for the Internet

Goal
What is covered in the doc

- Community scrubbing
- AS Path filtering
- Maximum prefixes per peering
- BGP route flap dampening
- Where to apply these filters
  - Specific, default route...
  - Filters definition: special addresses, IANA not allocated, SIDR, IRR filters, IXP prefixes, prefixes too
- Address filtering
- Session security (TTL, MD5)
Conclusion

- Great feedback received so far!
- Lot of support
- Many comments already received and integrated (-0.1 is almost there)
- Great feedback received so far!

THANKS TO ALL CONTRIBUTORS !!!
QUESTIONS?