

draft-jdurand-bgp-security-00.txt

BGP operations and security

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Goal

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

What is covered in the doc

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

Conclusion

- **Great feedback received so far!**
 - Lot of support
 - Many comments already received and integrated (-01 is almost there)
- **THANKS TO ALL CONTRIBUTORS !!!**

QUESTIONS ?