

# IPv6: where we're at and what next.

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# So where are we?

- Switch configuration is (mostly) done
  - New firmware before the final part
- Some VLANs have IPv6 enabled:
  - 32, 33, 42, 64, 160, 202, 216
- BIRD on Linux routers
- OSPFv3 internally and to EdLAN core
- Iptables rules generated for IPv6
- DNS (dns/inf6)
- Global visibility!
  - Our RIPE Atlas probe tests IPv6 as well as IPv4

# Testing it

- SL6 with static and SLAAC addresses
- SL7 with ?static and SLAAC addresses
- Windows 7 (to some extent)
- Anyone / anything else?
- All of our nameservers are using it, inbound and outbound
- Web pages served from network servers
- Ssh to network servers and switches

# Niggles

- rsync's "hosts allow" lists
  - SLAAC-style addresses might not match
  - %slaac as a workaround, but arguably not desirable in general
  - -4 flag to force IPv4
- ssh has AddressFamily=inet by default
  - Setting it to "any" on the network machines doesn't seem to have caused any Bad Effects
  - Historical?
- Other than that it seems to Just Work

# Other VLANs: when?

- It's easy to turn IPv6 on for other VLANs:
  - DICE in the Forum would give all SL7 machines SLAAC-style addresses, which they would try to use.
  - M in AT/FH/Wilkie would also affect MDP machines.
  - We don't have the audit tools in place yet to allow us to enable it for non-CO-self-managed VLANs.
  - Are there any non-CO-self-managed machines on ATDHCP?

# Summary

- It looks good to go more generally, but ...
- ... we could really do with more testing
- Non-Linux particularly wanted!
- How? Who??