Technology Deep Dive - Modern Router Architecture (WGTLGO)

Alvaro Retana
Karen O'Donoghue
Spencer Dawkins

Agenda - Wednesday Afternoon

- Modern Router Design
  - **Frank Brockners, John Scudder, Toerless Eckert**
- Summarizing implications for protocol designers

How we got here in the first place

- John Scudder gave a well-received talk on Modern Router Design
  - At IEPG, to a small audience, in 2015
- IESG sees contentious cross-area/late IETF Last Call discussions on related topics
  - IPv6 extension header issues are still **late surprises** for too many working groups
- Some people "assume a spherical router" - they exist, but most routers aren't spherical
- Spencer and Warren thought a "technology deep dive" would be helpful
  - Not a tutorial - people understand how routers work in general, just not enough
- So we started recruiting people to help with a "Deep Dive on Modern Router Design"

Look! An Actual Spherical Router!