Configuring DNS using YANG+RESTCONF

• Forge one configuration API to rule them all (DNS servers)

  • draft-lhotka-dnsop-iana-class-type-yang-00

  • + ad-hoc rudimentary zone management
DNS+YANG+RESTCONF: Hackathon

• IETF 103 hackaton - prototype works!
  – Knot DNS, NSD, BIND

• YANG wrapper around existing configuration tools
  – changing *.conf files is a nightmare
DNS+YANG+RESTCONF: What next?

• DNS servers **seriously** need APIs for configuration
  – at least proprietary
• RESTCONF/NETCONF is easy to build on top of APIs

• Come to dnsop WG!
• petr.spacek@nic.cz