BIND 10 in 10 Minutes

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What is BIND?

- DNS server software
  - Authoritative
  - Recursive
- Used by 80% of DNS servers
  - Not 80% of *domains*
  - Not 80% of *queries*
- If DNS is important, then BIND is important
Motivation for BIND 10

- BIND 9 is almost 10 years old
- The computing world has changed
- The networking world has changed
- DNS software “marketplace” evolved
- A new architecture for the next 10+ years
BIND 10 Project

- ISC sought funders for BIND 10
- Generous sponsors provided initial funding:
  https://www.isc.org/bind10/sponsors
- Initial sponsors formed:
  BIND 10 Steering Committee
- Official kick-off date 2009-04-01
(Rough) BIND 10 Timeline

* Year 1: Authoritative-only server
* Year 2: Recursive server
* Year 3: Production-quality server
* Year 4: Drop-in BIND 9 replacement
* Year 5: *Really* fun stuff
Development

- BIND 10 development is public
  - https://bind10.isc.org
  - bind10-dev@lists.isc.org
  - Public Subversion repository

- BIND 10 team coding away
  - 6 ISC staff
  - 2 JPRS staff
  - 4 CNNIC staff
BIND 10 Technologies

Architecture & Design:
- Modularity
- Well-defined APIs and libraries
- Full runtime control

Features:
- Customization
- Resilience to failures
- Cluster support
BIND 10 Process Model
Status

• Prototype authoritative server done
• Releases every 4-6 weeks
• Recursive server in 9 months
Call for Support

• ISC is a non-profit, open source company
• BIND 10 needs your support!
• All contributions – code, testing, requirements – welcome
• New sponsors very welcome