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
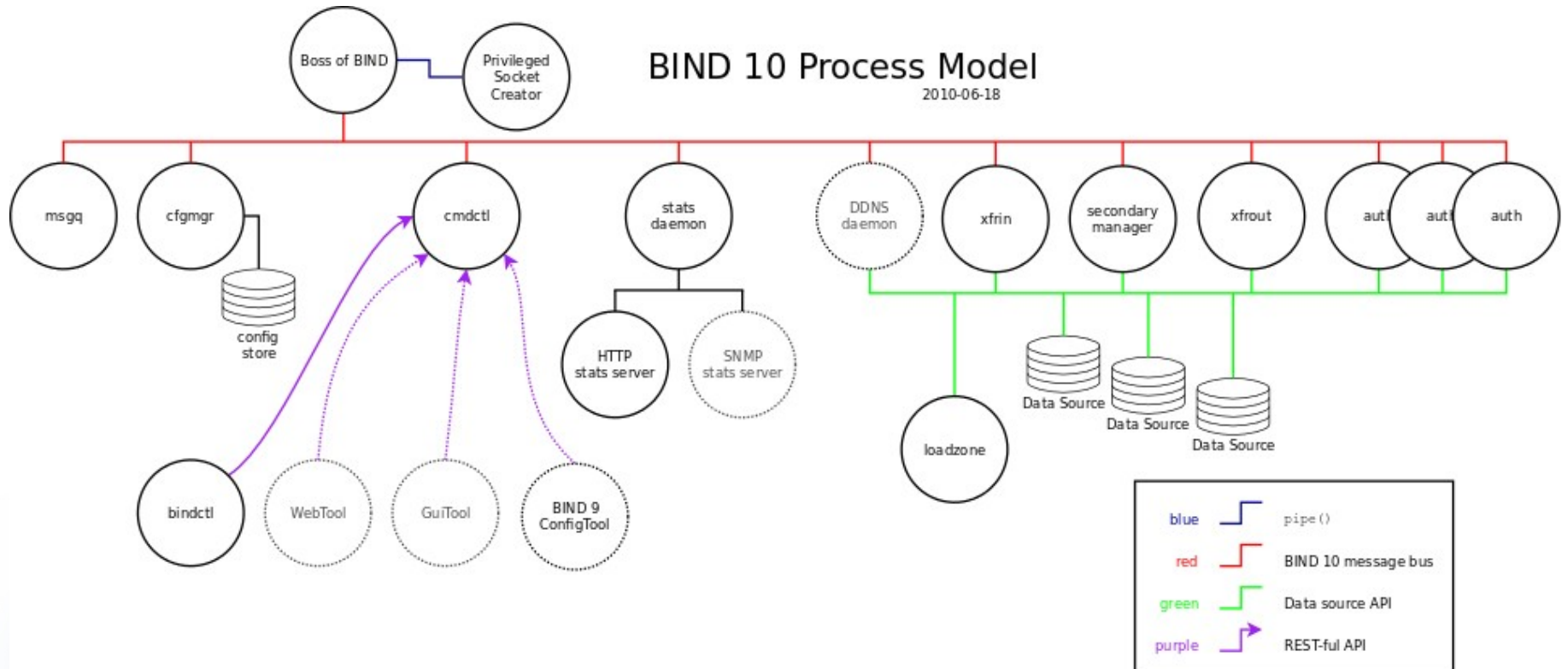 - 2 JPRS staff
  - 4 CNNIC staff

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