BIND 10 in 10 Minutes

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Agenda

- Motivation for BIND 10
- Project Inception and Overview
- BIND 10 Core Concepts
- BIND 10 Operational Advantages
- How You Can Help

Motivation for BIND 10

- BIND 9 is 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

Development

- BIND 10 development is *public*
    - https://bind10.isc.org
    - bind10-dev@lists.isc.org
    - Public Git repository
- BIND 10 team coding away
    - 8 ISC Developers and Support Staff
    - 3 JPRS Developers
    - 7 CNNIC Developers and Testers
    - 1 CZ.NIC Developer

BIND 10 Operational Advantages

- Modularity
- Well-defined APIs and libraries
- Full runtime control
- Flexible, robust, intuitive command line tool
- Customization
- Resilient to failures
- Clustering support

BIND 10 Process Model

- Lots of cooperating processes, like Postfix

- Allows customization of features

- Isolates faults, and allows fast recovery

- Supports scaling with number of cores (like NSD)

BIND 10 "Cool Stuff"

- Abstract data source allows SQL or in-memory databases for authoritative server

- Run-time configuration means no software-forced restarts - somewhat like configuring a router

- End of named.conf... unless you really want it!

Status

- Developmental Releases every 6 weeks

- In year three, a fully production ready authoritative server will be the goal in September 2011, with a production ready resolver due out end of March 2012.

- In March 2011, we will kick off development of a ground up rewrite of ISC DHCP, using the BIND 10 underlying architecture.

Sponsors

Call for Support

- ISC is a non-profit, open source company
- Support the project by:
    - Joining bind10-announce@lists.isc.org
    - Joining bind10-dev@lists.isc.org
    - Learning about the project at http://bind10.isc.org
    - Checking out releases and sending feedback
- New External Test Program launches March 2011

More information at

http://www.isc.org/bind10