What to Expect from BIND9

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ftp://ftp.isc.org/isc/bind/src/

Goings-on at ISC

- Prime contractor is now *Nominum, Inc.*
  - Shares some board members with ISC
  - Commercial entity $\rightarrow$ equity $\rightarrow$ motivation
- We're looking for a new Executive Director
  - Adams, Malamud, Scharf, Vixie, Conrad, TBH
- Diverse board of directors
  - Vixie, Conrad, Nemeth, Wolff, Hagen

ISC Objectives for BIND9

- Open Source Software
  - Openly available in source form Internet wide with no fee
  - Based on the latest open standards from IETF
- Scalable
  - Zone size limited only by backing store
  - Number of zones limited only by memory
  - Multi-processor scalable
- "Carrier Grade" Production Quality
  - Commercial support available

Major BIND9 Enhancements

- Security
  - 8.2.* stuff plus:
  - Full DNSSEC implementation
  - Modularized code to facilitate security audits
- Performance
  - multi-processor scalable
  - multi-threaded
  - Separation of the protocol engine/back end interface
  - non-memory based databases

- Usability
  - integration with 3rd party user interfaces
  - integration with 3rd party network management packages
- RFC conformance
  - EDNS0, EDNS1, IXFR, Notify, DDNS, DNSSEC, TSIG, ...
- Completely new architecture for BIND

BIND9 Schedule

- June-December 1998: design phase
- All of 1999: implementation phase
- January-June 2000: release phase
  - February 2000: first public beta
  - May 2000: first full public release

BIND9 Information

- New mailing lists
  - **bind9-workers-request@isc.org**
    - developers, proposed patches, design flames
  - **bind9-users-request@isc.org**
    - operators, users, feature flames
  - **bind9-bugs@isc.org**
    - bug reports (tracked by a ticketing system)

- Snapshots available
  - `http://www.isc.org/products/BIND/bind9.html`