What to Expect from BIND9

vixie@isc.org
http://www.isc.org/
Goings-on at ISC

• Prime contractor is now *Nominum, Inc.*
  – Shares some board members with ISC
  – Commercial entity → equity → 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