Seventh Annual
BIND Forum Meeting

75th IETF Meeting
Stockholm, Sweden July '09

ISC

Agenda

- Welcome & General update on ISC
  - Sue Graves, Client Services Manager

- BIND 9 Status & Road Map
  - Larissa Shapiro, Product Manager

- Roadmap for BIND 10
  - Shane Kerr, BIND 10 Programme Manager

- Questions

BIND Forum Updates

- BIND Forum grew by 10% this year.
- Forum memberships fund 30% of engineering costs
  Support, Custom Development and Grants fund the balance of BIND 9 Development.

- BIND 9.6 and 9.7 released in 2009
- Launched BIND 10 development effort
  No BIND Forum funding used to date
- Revised EOL Policy

Forum Updates (continued)

- New Hires
  - 2 Software Engineers
  - Bind 10 Programme Manager
  - Product Manager

- Training continues to grow
  - 2-Day DNSSEC Deployment Workshop
  - NaMeX chosen as EU Training site, Rome
- BF Newsletter to be published quarterly

EOL Policy effective July 2009

Current commitments will be honored

- Move product to EOL approx 18 months after its introduction as a Production release

- Releases approximately every 9 months, so two versions will usually covered be under standard support.

- *Designate 'extended release version' and support it for 3 years*

New ISC Services

- ## DLV: DNS Lookaside Validation
  - DNSSEC key registry, production grade
  - New web User Interface

- ## SNS@ISC: Secondary DNS Service
  - SNS-PB: Best effort is no charge
  - SNS-COM: SLA offered for commercial customers

- ## SIE: Security Information Exchange
  - passive DNS monitoring: *https://sie.isc.org/*

New ISC Product – CGN

- Carrier Grade NAT / Dual Stack Lite
  - IPv6 NAT inside service provider networks supporting IPv4 user devices
- Early code available to interested parties upon registration in testing program

First CGN Forum meeting
Thursday, 1-3pm, Lilla Teatern Conference Room
For more information contact Suzanne Woolf
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BIND 9 Status & Roadmap

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BIND 9 Releases

- BIND 9.6.1 is current release

- Status of 9.7

- Roadmap for 9.8

BIND 9.6 – the *Security* release

- DNSSEC:
  - Full NSEC3 support
  - Automatic DNSSEC zone re-signing
  - Cryptoki cryptographic hardware support
  - DNSSEC Zone Key Tool in contrib/zkt

- Security:
  - Improved query port randomization performance
  - Randomized server selection on queries
  - Operational:
    - Default TTL with nsupdate
    - Report compile-time options (named -V)
    - New default PID file location

Maintenance Releases

- BIND:
  - 9.4.4
  - 9.5.4
  - 9.6.2

- Betas in August

- Final releases in the fall

BIND 9.7 Status: *dnssec for humans*

- Operational DNSSEC Simplification:
    - Improved DNS key management
    - Configuration simplification (online keys, DDNS)
    - Fully automatic online signing
    - DLV configuration simplification
    - Trust anchor management (RFC5011)
    - Usability improvements for Cryptoki (PKCS#11)

BIND 9.7 Status (continued)

- More DNSSEC
  - Documentation improvements
  - DNSSEC logging features
- Programming
  - DNSSEC-aware libdns API
- 9.7.1 and beyond
  - Debugging and tool enhancements

BIND 9.7 Schedule

- Planned Release Schedule
  - BIND 9.7.0a2 imminent
  - BIND 9.7.0a3 will be in late August
  - BIND 9.7.0b1 will be in September
- *Production release in Nov 2009*

BIND 9.7.0 Beta Program

The BIND 9.7 beta program is now underway!

Submit test reports and bugs and get not just our appreciation and the knowledge that you're helping us build stronger code...

you also get a *t-shirt*!

Send mail to larissas@isc.org

or subscribe to bind-beta-response@lists.isc.org

9.8 Roadmap

- Database back-end support
- Multi-master
- Support additional HSM drivers
- **Suggestions?**

- *BIND 9.8.0 development will begin in November 2009.*

Plans for BIND 10

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BIND 9: Where did it come from?

- Designed to solve BIND 8 problems

- Heavy emphasis on security

- Reference implementation for DNS

- Multi-threaded model for scalability

BIND 10: Why?

- BIND 9 is almost 10 years old
- Computing world has changed, many decisions need to be re-visited
- DNS "marketplace" has changed, lots to learn from other products
- Need BIND architecture for the next 10+ years

BIND 10: What?

- Modularity
- Well-documented & defined APIs and libraries
- Customization
- Clusterization
- Resilience to failures
- Full runtime control

BIND 10: Status

- Project officially began 2009-04-01
- Funded by sponsors
  - initial set of generous TLDs:
    https://www.isc.org/bind10/sponsors
- 5-year development plan
- Y1 deliverable: authority-only server
- Public Trac site for interested developers
  or users: *https://bind10.isc.org*

BIND 10 and BIND Forum

- Current BIND Forum funds BIND 9 maintenance and development
- BIND 10 has its own sponsors
  - *We are always looking for more ...*
- When BIND 10 is production ready, it will become a BIND Forum supported project

Thank you for your support!
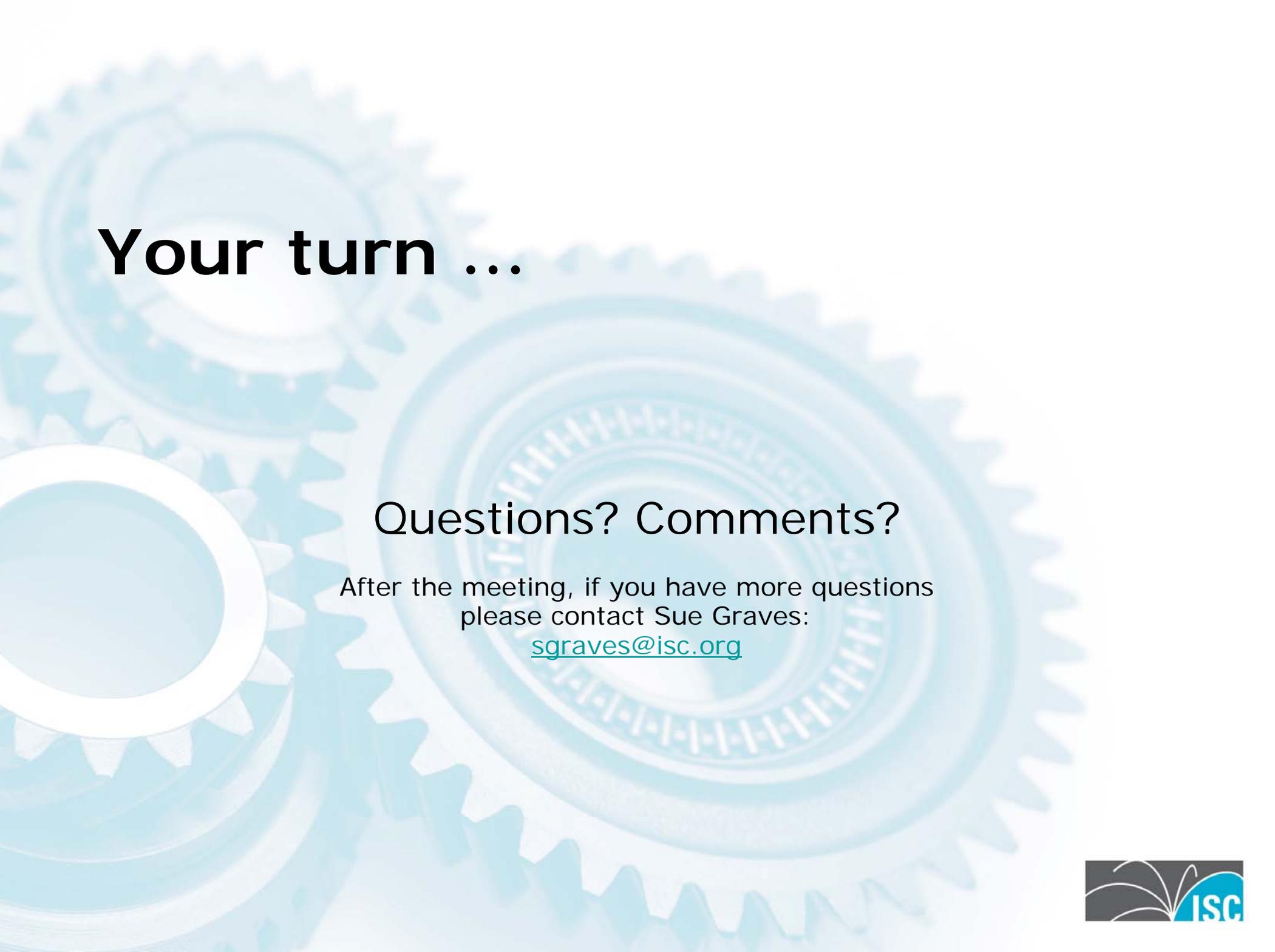
Your turn …

Questions? Comments?

After the meeting, if you have more questions
please contact Sue Graves:
sgraves@isc.org

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