Making DNSSEC Accessible to Customers

Nov 2008

Uma Murali
President & CEO
uma@namesbeyond.com
+1.267.231.4391
About Us

• Established Registrar, focused on high-touch, high-value domain registration, hosting & web design
• ICANN Accredited since 2001
• Leader in Sponsored Top Level Domains such as .travel, .aero, .coop, and provider of gTLDs such as .org, .com, .asia, etc.
• End to end solution provider
• Great value and awesome customer service
Why Our Customers Need DNSSEC

The DNS is not a safe place – small or big companies, profit or non-profit organizations.

We need to ensure that traffic to customer web sites is not hijacked.

All of us in the Internet business have a responsibility to ensure that the DNS is secure.

This requires customer outreach & awareness.
Making DNSSEC Accessible

Challenges:

• DNSSEC is a technical topic
• Customers do not understand what it does or why it is needed
• It does not solve "obvious" problems like phishing or viruses or spam
• Most articles on this topic are very technical, not business oriented
Convenience to the customer

We have built a system that automates:

• Key signing (upon customer request)
• Key transmission or retransmission

We are working on:

• Extending NamesBeyond User Authentication model for domain key signing and domain key changes
Signing when names are hosted with us, or with others

- Web Hosting With Names Beyond
- Input key Tag Digest Type
- NamesBeyond Gateway
- Web Hosting With Others
- Communicate with Registry
- Relay Response
Some .ORG Names Already Signed

Getting ready for .ORG zone signing

External Software:

• Using BIND alpha version that supports NSEC3
• Also using NSD which supports NSEC3

Internal Software:

• Most of the work is complete
Questions?

Uma Murali
President & CEO
uma@namesbeyond.com
+1.267.231.4391

Making DNSSEC Accessible to Customers