



VeriSign's DNSSEC Deployment Status and Plans

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VeriSign's DNSSEC Deployment Status and Plans

- + Longtime contributors to IETF's DNSSEC efforts
 - Co-authors of core specification RFCs and NSEC3 Internet-Draft
- + Want to see DNSSEC succeed
 - Willing to be early adopter (within reason)
- + Why DNSSEC:
 - Make response spoofing harder
 - "Let a thousand flowers bloom"
- + Current status:
 - Planning for DNSSEC in *.tv* in 2007
 - DNSSEC in *.com* and *.net* to follow soon after
 - This timeline is subject to change based on engineering resource availability

DNSSEC Deployment Challenges

- + Gigantic size of signed *.com* and *.net* zones
 - NSEC3's Opt-Out is absolutely required
- + Registrar adoption
 - Must support provisioning DNSSEC key material for their customers
- + Getting the DNS root signed
 - Some day?
- + Application support for DNSSEC
 - Current status: practically nothing
- + DNSSEC validator deployment
 - Millions of recursive name servers to upgrade
- + Poor user experience
 - New class of validation errors