



The DNSSEC and IPv6 deployment workshop

Practical Information

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20 Oct. 2008
09.00

09.45

11.00

11.30

13.00

Introduction (The Auditorium) Dr. Steve Crocker, Shinkuro and Dr. Vint Cerf, Chief evangelist, Google		
Recent events have given fresh impetus to both IPv6 and DNSSEC. DNSSEC deployment is starting in multiple countries and IPv6 support is now available in many places around the world. The sessions will provide a look at the progress and some hurdles in the deployment of both of these technologies.		
<i>Track: DNSSEC development (The Auditorium)</i> <i>Track: Market considerations (Room 357)</i> <i>Track: IPv6 for ISP's (Room 361)</i>		
DNSSEC tools for TLD - status Tools for Signing and Key management solutions are presented. <i>Chair:</i> Patrik Wallström, .SE .SE current Tools <i>Speaker:</i> Patrik Wallström, .SE .CZ in the DNSSECland <i>Speaker:</i> Ondřej Surý, CZ.NIC DNSSEC Implementation in .BG <i>Speaker:</i> Daniel Kalchev, .BG Tools and Requirements for a Registrar <i>Speaker:</i> Jimmy Bergman, Loopia ISC BIND <i>Speaker:</i> Joao Damas, ISC	DNSSEC from a Registrar perspective In this session, Registrars that provide DNSSEC for .SE domains will present and discuss their experiences. <i>Chair:</i> Staffan Hagnell, .SE Loopia's experience with DNSSEC <i>Speaker:</i> Lars-Göran Forsberg, Registrar Manager Loopia DNSSEC for public service <i>Speaker:</i> Torbjörn Eklöv, Interlan DNSSEC - perspective from a DNS operator <i>Speaker:</i> Eva Frölich, Frobbit AB Round table discussion <i>Participant:</i> Andrew Macpherson, Yask - Incentives for a registrars to provide DNSSEC?	IPAM, support for IPv6 To be able to deploy IPv6 in a production environment there is a much stronger need for a dedicated IP Address Management System (IPAM) than in IPv4. The current status of products in that area is here! <i>Chair:</i> Morgan Lindström, ECY Presentations by IPAM vendors - Petur Petursson, Men & Mice - Thomas Hedstrommer, Infoblox - Juha Holkkola, Nixu Discussion - Are you ready for business critical IPv6 network? - Skills needed to implement and operate them? - Any limitations? - Future steps in IPv6 management.
Coffee		
DNSSEC tools for TLD <i>Chair:</i> Stephen Morris, Nominet Status for DNSSEC for commercial tools Will commercial tools suit TLD's? - Mark Beckett, Secure64 - Petur Petursson, Men & Mice - Thomas Hedstrommer, Infoblox OpenDNSSEC <i>Speaker:</i> Jakob Schlyter, Kirei Round table discussion with TLD's -What plans do you have? -Which are the co-operation possibilities?	DNSSEC from a customer perspective Who wants DNSSEC, who needs it, do they know it exists and can we deliver? <i>Chair:</i> Danny Aerts, .SE .SE's experiences of selling DNSSEC <i>Speaker:</i> Danny Aerts, .SE Robust Internet <i>Speaker:</i> Anders Rafting, The Swedish Post and Telecom Agency DNSSEC from a bank perspective <i>Speaker:</i> Kjell Rydjer, Swedbank Panel - Gun Häfner, Logica	Test of IPv6 support in Firewalls Some preliminary findings from .SE's test of firewalls IPv6 support will be presented. <i>Chair:</i> Håkan Lindberg, B3IT Management Presentation of the test - Test environment and tested functions - Participants and preliminary test results - Suggestions for further testing Presentations - participating vendors - Håkan Nohre, Cisco - Ola Holmberg, 3COM
Lunch		

14.15

Threat analysis for DNSSEC*Chair:* Anne-Marie Eklund Löwinder, .SE**DNSSEC Key Maintenance Analysis**

Key management in DNSSEC is important and needs to be carefully designed. We will specify some possible threats and give advice on how to avoid them.

Speaker: Anne-Marie Eklund Löwinder, .SE*Speaker:* Jelte Jansen, NLnet Labs**DNSSEC Open Issues and Challenges***Speaker:* Steve Crocker, Shinkuro**Discussion**

- Are there problems involved in using DNSSEC?
- Which problems are real? Which ones are not?

Business opportunities with IPv6

Is IPv6 just "a technical upgrade" or does it also bring new business opportunities?

Chair: Mikael von Otter, Almega**IPv6 – an update from the European Commission**

Speaker: Detlef Eckert, Advisor to Director General, European Commission

IPv6, findings and efforts*Speaker:* Staffan Hagnell, .SE**IPv6 for smart objects***Speaker:* Adam Dunkels, SICS**IPv6 from a business perspective**

Speaker: Magnus Rehle, Greenwich Consulting
- An infinite number of Business Opportunities!

Round table discussion

- How to speed up IPv6 deployment?

IPv6 service "A to Z" for ISP's and Hosting

The Ipv6 train is in motion. Many ISPs are looking into and also deploying right now! However, there is a real need to share practical experience of operations.

Chair: Jörgen Eriksson, .SE**OSS/BSS differences between IPv4 and IPv6***Speaker:* Mikael Abrahamsson, Tele2**Practical aspects of DHCPv6 deployment**

Speaker: Tomasz Mrugalski, Gdansk University of Technology

15.45

Coffee

16.15

Resolving with DNSSEC

In this session, ISP's operational experience of providing DNS resolving with DNSSEC validation for .SE domains will be presented and discussed.

Chair: Mats Dufberg, TeliaSonera**TeliaSonera's experience**

- Operational experiences; Stability, Performance, Problems, Customer relations, etc.
- Key management for resolvers and .SE's DPS
- Planning; RFC 5011, emergency key roll over

Panel - ISP's providing DNSSEC resolving

- Andreas Dahlström, TDC Sverige
- Michael Johansson, Tele2
- Thomas Egrelius, Verizon Business

Signing the root saga*Speaker:* Richard Lamb**ENISA eCommunications resilience***Speaker:* Panagiotis Saragiotis, ENISA

- ENISA's MTP1 development
- The technologies evaluated

The Industry Coalition for DNSSEC

The industry initiative goal is to speed up the deployment of DNSSEC.

Chair: Adam Palmer, .ORG*Panel:* Steve Crocker, Shinkuro*Panel:* Staffan Hagnell, .SE*Panel:***Presentation and Discussion about the initiative**

- The efforts made and plans
- Who should participate?
- How to co-operate?

IPv6 service "A to Z" for ISP's and Hosting**IPv6 - real life operations and experience with customers***Speaker:* Jeroen Massar, SixXS.net**Q&A**

Panel with the speakers, Kurt Erik Lindqvist, Netnod and guests.

17.45

Closing

19.00

Dinner Buses will leave the venue at 7 pm

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- Presentations - www.internetdagarna.se
 - Audio recording
 - Lunch in the Cabaret Restaurant
 - Social event tonight

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Let the workshop begin!

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