

## IPv6 Security: Theory vs Practice

Merike Kaeo , Doubleshot Security Abstract This presentation will discuss security considerations when deploying IPv6 networks. It will detail security vulnerabilities discovered in shipping products and what features are available today to address security concerns related to neighbor discovery, DNS, routing, filtering and logging. The presentation will also cover current work in the IETF to address any IPv6 security related problems. Å Å Abstracts

- Network Management and NOC Workshop

Hervey Allen (NSRC), Phil Regnauld (NSRC), Chris Evans (Delta-Risk)

- VOIP Deployment Workshop

Jonny Martin (PCH), Vicky Shrestha (PCH), Daniel Griggs (FX Networks)

- Network Security Workshop

Damien Holloway (Juniper Networks), Kunjal Trivedi I(Cisco), Merike Kaeo (Doubleshot Security)

- ISP Routing Workshop using IPv4 and IPv6

Gaurab Raj Upadhaya(PCH), Amante Alvaran (APNIC), Shankar Vridhagiri

- Advanced Routing - BGP Multihoming with IPv4 and IPv6

Philip Smith (Cisco), Mark Tinka (Global Transit)

- Toward The Internet 2.0

Hiroshi Esaki, Ph.D.

- Advancing the Philippines' Internet Infrastructure

William Torres, Ph.D.

- Integrating IP Wireless Sensor Networks

Patrick Grossetete, Archrock

- Lessons Learnt from the Beijing Olympic Games Website Measurement

Rocky K. C. Chang, The Hongkong Polytechnic University

- A technical demo and overview of .tel

Jim Reid (Telnic)

- BGP IN 2008 - what's changed Å

Geoff Huston (APNIC)

- IPv6 Traffic levels on Hurricane Electric's backbone

Martin Levy (Hurricane Electric)

- JANET's 40Gbps backbone

Rob Evans (JANET)

- From IPv4 only to v4/v6 Dual Stack

Shin Miyakawa (NTT)

- How to Keep CGNs from Breaking the Internet

Randy Bush (IJJ)

- IPv6 Deployment at IJJ

Yoshinobu Matsuzaki (IJJ)

- Session aware NAT

David Miles (Alcatel-Lucent)

- IANA and DNSSEC at the root

Richard Lamb (IANA)

- IPv6 at Google: lessons learned, state of the art, and the road to deployment

Lorenzo Colitti(Google)

- Euro-IX update

Serge Radovic (Euro-IX)

- IPv6 at Monash University  
John Mann(Monash University)
- What can IXPs do for IPv4/IPv6 route exchange?  
Takabayashi Takejiro (Japan Internet Exchange Co., Ltd.) and Mawatari Masataka (Co-author)
- What can IXPs do about IPv4 exhaustion?  
MAWATARI Masataka (Japan Internet Exchange Co., Ltd.) and TAKABAYASHI Takejiro
- DNS-OARC's Open DNSSEC Validating Resolver  
Duane Wessels(DNS-OARC)
- AMS-IX Update  
Cara Mascini(AMS-IX)
- DNSSEC in 6 minutes  
Joao Damas (ISC)
- NIXI - Internet Exchanges in India  
Amitabh Singhal,NIXI
- IPv6 - IPv4 Co-Existence: IETF Report  
Jari Arkko, Ericsson Research, IETF
- Rogue DNS servers - a case study  
Feike Hacquebord,Trend Micro
- Building a very large scale compute system for organizing the worlds information and making it universally accessible  
Vijay Gill
- Mobile Backhaul Architecture Options  
Rishi Mehta ,Redback Networks
- Membership Development  
Tomas Marsalek, NIX.CZ
- Broadband Forum v6 Home Networks  
David Miles, Alcatel-Lucent
- BGP Routing Scalability Considerations  
Danny McPherson,Arbor Networks, Inc. Co-author: Shane Amante, Lixia Zhang
- 2008 Infrastructure Security Report  
Danny McPherson,Arbor Networks, Inc.
- 32-bit ASNs  
Chris Malayter, Switch&Data, Co-author: Greg Hankins , Force10 Networks
- The Internet Regulatory Environment in Saudi Arabia  
Dr. Ibraheem S. Al-Furaih (CITC)
- Tutorial: Introduction to IPv6  
Kurtis Lindqvist (NetNod)
- Tutorial: BGP Multihoming Techniques  
Philip Smith (Cisco)
- Tutorial: BGP Techniques for Service Providers  
Philip Smith (Cisco)
- Tutorial: Troubleshooting BGP  
Philip Smith (Cisco)
- Tutorial: Network Core Infrastructure - Best Practices  
Yusuf Bhaiji (Cisco)
- Tutorial: Anatomy of a network attack, network forensics, network attack and defense  
APNIC Training Team and Team Cymru
- Tutorial: Internet Routing Registry  
APNIC Training Team
- Tutorial: MPLS Service, Applications & Deployment Best Practices  
Santanu Dasgupta (Cisco Systems) and Kasu Venkat Reddy

- Tutorial: Layer 2 Attacks and Mitigation Techniques  
Yusuf Bhaiji (Cisco)
- Tutorial: Managing Voice Quality in Converged IP Networks  
Faisal Chaudhry (Cisco Systems)
- Tutorial: Internet Resource Management Essentials (IRME)  
APNIC Training Team
- Tutorial: DNSSEC Deployment  
Phil Regnaud and Hervey Allen (Network Startup Resource Center)
- Tutorial: MPLS-based Metro Ethernet Services  
Paresh Khatri (Alcatel-Lucent)
- Tutorial: IPv6 Deployment  
Mark Tinka (Global Transit International)
- Tutorial: IS-IS Deployment (Dual-Stack)  
Mark Tinka (Global Transit International)

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