

## 32-bit ASNs

Chris Malayter , Switch&Data Co-author: Greg Hankins , Force10 Networks Abstract:  
Presentation looks at the current operational situation re 4-byte ASNs, support across vendors, deployment status in industry and some initial operational issues. It also introduces the 4-byte ASN wiki and the test peering router. Å

### Abstracts

- Network Management and NOC Workshop  
Hervey Allen (NSRC), Phil Regnaud (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  
PatrickÅ 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 Radovcic (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 Regnauld 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)