

Tutorial: Internet Routing Registry

APNIC Training Team

Abstract: The IRR is an evolving, network database of Internet registered routes and routing policies. This tutorial looks at the importance and benefits of the IRR and introduces participants to the tools and future used to interact with the IRR. This tutorial is aimed at people who are already familiar with the Whois Database and want to learn more about the Routing Registry. A basic understanding of BGP routing and the Whois Database is assumed.

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 (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
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 Bhajji (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)