BGP Routing Scalability Considerations

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   This talk will outline an array of issues that result in BGP scalability considerations. It's focus is on intra-domain effects of BGP, and what will break first WRT routing scalability.

 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
 PatrickÂ 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 Â
 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 (IIJ)

 - IPv6 Deployment at IIJ
 Yoshinobu Matsuzaki (IIJ)

 - 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)