

BGP Techniques for Service Providers

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Abstract

The tutorial introduces service providers to some more advanced BGP features and techniques to aid with operating their networks within the Internet. After a recap of iBGP, eBGP and common attributes, the tutorial will look at the various scaling techniques available, when to use BGP instead of an IGP, and examine policy options available through the use of local preference, MED and communities. The tutorial then looks at deployment techniques, including aggregation, announcing and receiving prefixes, and some of the newer features available.

Abstracts

- Network Management and NOC Workshop
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Jonny Martin (PCH), Vicky Shrestha (PCH), Daniel Griggs (FX Networks)
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Philip Smith (Cisco), Mark Tinka (Global Transit)
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- Integrating IP Wireless Sensor Networks
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- 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?
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- DNSSEC in 6 minutes
Joao Damas (ISC)

- NIXI - Internet Exchanges in India
Amitabh Singhal,NIXI

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Tomas Marsalek, NIX.CZ

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David Miles, Alcatel-Lucent

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- 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)

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