

Advanced BGP & Routing Security

- **Date:** 5th to 9th September 2019
- **Venue:** Le Meridien Chiang Mai, 108 Chang Klan Road, Tambol Chang Klan, Amphur Muang, Chiang Mai 50100, Thailand

Workshop Goals

This five-day Advanced BGP and Routing Security Workshop is a technical workshop, made up of lecture and hands-on lab work to teach BGP skills and Best Practices required for the configuration and operation of large scale networks that make up the Internet.

Target audience

Technical staff who are now building or operating a wide area service provider network with international and/or multi-provider connectivity, or considering participation at an Internet Exchange point, or considering deploying IPv6 across their infrastructure and to their end users.

Prerequisites

It is assumed that the workshop participants are proficient with a router command line interface, have a good understanding of OSPF or IS-IS, as well as experience with using BGP in an operational network.

This workshop is not an introduction. Participants are expected to have already successfully completed previous APNIC or APRICOT IPv4/IPv6 Routing Workshops or have demonstrable equivalent experience.

The lab exercises use Cisco IOS configuration syntax.

Participants are required to bring laptops with working wireless.

Class size

The workshop can accommodate up to 28 participants.

Workshop topics

- ISIS design and best practices for Service Provider networks
- BGP attributes and policy
- BGP scalability (including Route Reflectors and Communities)
- Aggregation
- BGP multihoming techniques (redundancy and load balancing)
- BGP Security, RPKI, and MANRS
- ISP best practices
- Peering best practices
- IXP design and best practices
- IPv6 Protocol and Standards
- IPv6 extensions for routing protocols
- IPv6 addressing and address planning

Workshop Items

- Agenda (includes links to presentations and schedule)
- Detailed Description
- Instructors: Philip Smith (APNIC), Simon Sohel Baroi (APNIC Community Trainer)
- Participants
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