Workshop Detailed Description

Pre-requisites

- 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.
- The lab exercises use Cisco IOS configuration syntax.
- **Participants are required to bring their own laptops** - (Windows/Linux/macOS) **with wireless**

Class size

The workshop can accommodate up to 30 participants

Workshop topics

- IS-IS design and best practices for Service Provider networks
- BGP protocol, attributes and policy
- BGP scalability (including Route Reflectors and Communities)
- BGP Best Practices, including Aggregation
- BGP multihoming techniques (redundancy and load balancing)
- BGP Communities as used by Network Operators
- Peering Best Practices
- BGP Security Operations Best Practices
- Remote Trigger Black Hole Filtering
- Unicast Reverse Path Forwarding
- Route Original Authorisation and Validation
- Troubleshooting BGP & Related Tools

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