

Workshop Template

Workshop Goals

This four-day workshop is a mix of lectures and hands-on lab work to teach the BGP skills required for participation in the Samoa Internet Exchange Point.

- Samoa IX introduction
- Peering vs Transit, and L2 IXP
- IXP members connection Best practice
- BGP protocol, attributes and policy control
- BGP Best Practices, including Aggregation
- BGP for IXP members (peering with selective member(s)/RS)
- BGP policies (prefix/AS-path/route-map/communities).
- BGP security
- IXP Manager

Target Audience

Technical staff who are now building or operating a wide area service provider network with international and/or multi-provider connectivity, or will be participating in the new Samoan Internet Exchange point. Workshop requirements

- This workshop is not an introduction to routing. Successful completion of a previous Routing Workshop or similar training is recommended.
- Workshop participants need to be proficient with a router command line interface, have a good understanding of OSPF or ISIS, as well as some experience with using BGP in an operational network.
- The labs use Cisco IOS configuration syntax.
- Some user-level Unix experience would be advantageous
- All participants will need to bring a laptop with WiFi access. A tablet cannot be used for this workshop. The laptop will be used to access the lab network as well as the course materials on the workshop wiki. Participants will work in pairs on the lab exercises.
- Maximum of 28 participants in the workshop. Lab work is in pairs or larger groupings.

Workshop Items

- [Agenda](#) (includes links to presentations and schedule)
- Instructors: Philip Smith & Andy Linton
- [Participants](#)
- [Photo](#)
- Survey

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Last update: **2016/02/03 05:04**

