

AFIX Technical Workshop: Session 4 Trainer's Notes

Technical aspects of peering

This session focuses more closely on how to set up peering.

Timing/duration

3 hours 15 mins (split over two days).

Prerequisite skills/knowledge

- Participants should have completed the previous sessions in the workshop.

Content outline

- Peering checklist/requirements.
- Introduction to eBGP (peering between different autonomous systems).
- Do's and don'ts of eBGP.

Objectives

By the end of the session, participants should:

- Understand what is required to set up successful peering.
- Be able to set up an eBGP network between two or three peers.
- Be able to diagnose and correct common problems.

Resources included

- Handout with exercises.

Comments

- The trainer should work through all the exercises before the session.
- Unless the entire class is advanced, there will not be sufficient time for both exercise 2 and 3. The session is designed so that either exercise 2 or exercise 3 is completed. We recommend that the instructor advises the class on which to complete depending on the environmental conditions (i.e. depending if a route server {exercise 3} or if full mesh {exercise 2} will be favoured under the local conditions).
- Ensure that all the values represented in the diagram used in Exercise 1 and 2/3 (w, x, y and z and p for each team) – which are required to complete the exercise - are clearly displayed on a whiteboard, flipchart or screen.