

BGP 400

Border Gateway Protocol (BGP) for SP and Enterprise Networks

Upcoming courses:

You can find our schedules on our website at www.networksynergy.com.au/training/scheduledates.html

Delivery & requirements:

Delivery will either be instructor led in a traditional classroom setting, or instructor led web based delivery in our virtual classroom. Participants will require pc/laptop and internet connectivity suitable for a virtual classroom.

Prerequisites:

Content covered in [Brocade Certified Network Engineer \(BCNE\) Training \(CNE 200\)](#) or *Basic Switch/ Router Configuration and Management (ETH 103)*, or equivalent knowledge. BGP content covered in [Brocade Certified Network Professional \(BCNP\) Training \(CNP 300\)](#), *Advanced Switching/Routing Configuration and Management (ETH 405)*, or the web-based training that accompanies *BGP 400*; or equivalent knowledge.

Network Synergy are the Brocade Authorised Training Partner for Australia and New Zealand.

As this is a Brocade certified course, we use:

Overview:

This course covers intermediate to advanced BGP theory and concepts. The lab-intensive course will provide students with the required skills to configure and troubleshoot BGP networks in Service Provider and Enterprise network environments. This course covers the manipulation of BGP attributes, filtering prefixes using route maps, ACLs, AS-PATH ACLs, and prefix lists. It also covers community attributes in a transit AS, BGP redundancy, load sharing, confederations, route reflectors, and peer groups.

This class is also a prerequisite for Brocade University MPLS offerings.

Objectives

- Provide an overview of the BGP routing protocol.
- Review the Brocade BGP configuration.
- Implement and manipulate BGP attributes for route selection.
- Filter prefixes using standard ACLs, route maps, AS-PATH ACLs, and prefix lists.
- Configure community attributes for transit Autonomous Systems (ASs).
- Implement BGP redundancy.
- Describe BGP enhanced features.

For additional information please email training@networksynergy.com.au

Or visit <http://www.networksynergy.com.au/training>

