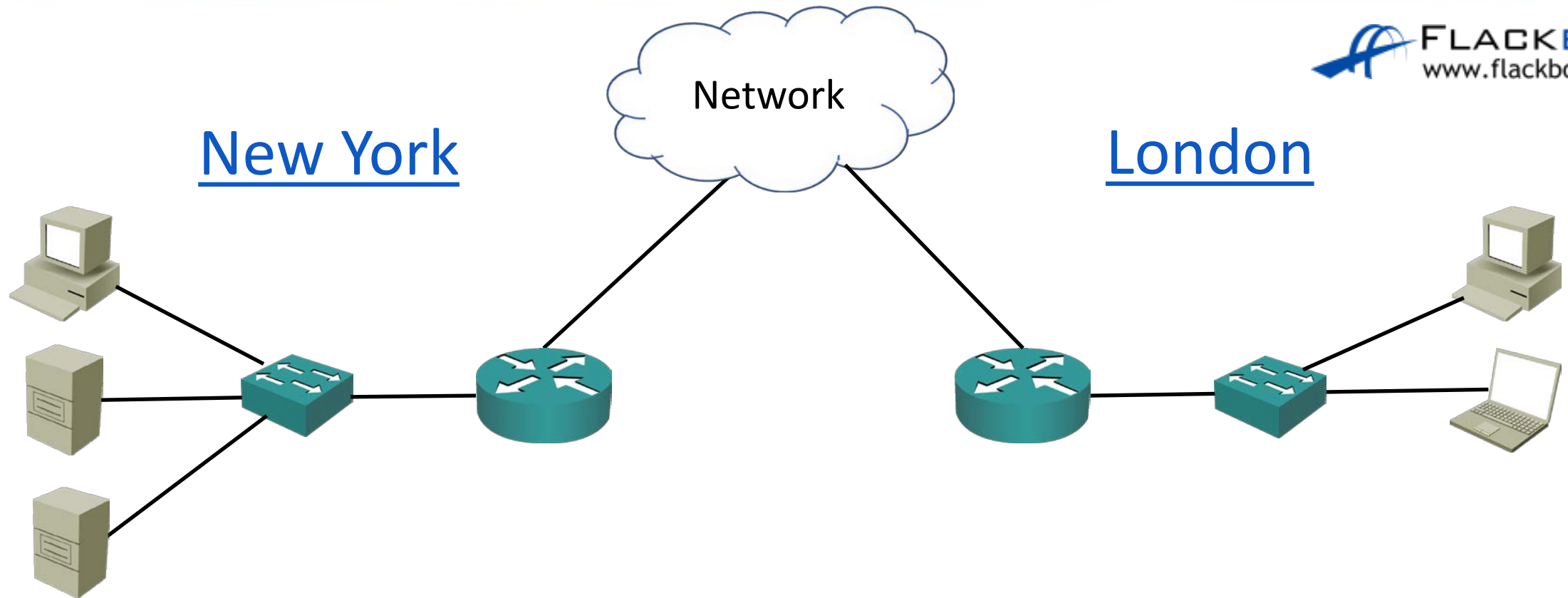# Connecting to a Cisco Device over the network

- The lab exercises in this course use Cisco Packet Tracer simulation software on your PC.

- See Section 2 'How to Set Up the Lab' for step by step instructions on how to use Packet Tracer for the course lab exercises.

- This lecture shows how to connect to a real router or switch over the network with Putty.

- You do not need to install or use Putty to do the course lab exercises.

FLACKBOX
www.flackbox.com

Connecting over the network

Network

New York

London

Connecting to a Cisco Device

- To get to the Command Line Interface for day to day management of a Cisco device you will use Secure Shell (SSH) to connect to it's management IP address over the network.

- Telnet is also supported but not recommended because it is insecure.

- In enterprise networks, secure login will typically be enforced through integration with a centralised AAA (Authentication, Authorization and Accounting) server.

- We will cover SSH and AAA in later lessons.

Out of Band Management

New York

Production Network

London

In Band

Out of Band

Management Network

FLACKBOX
www.flackbox.com