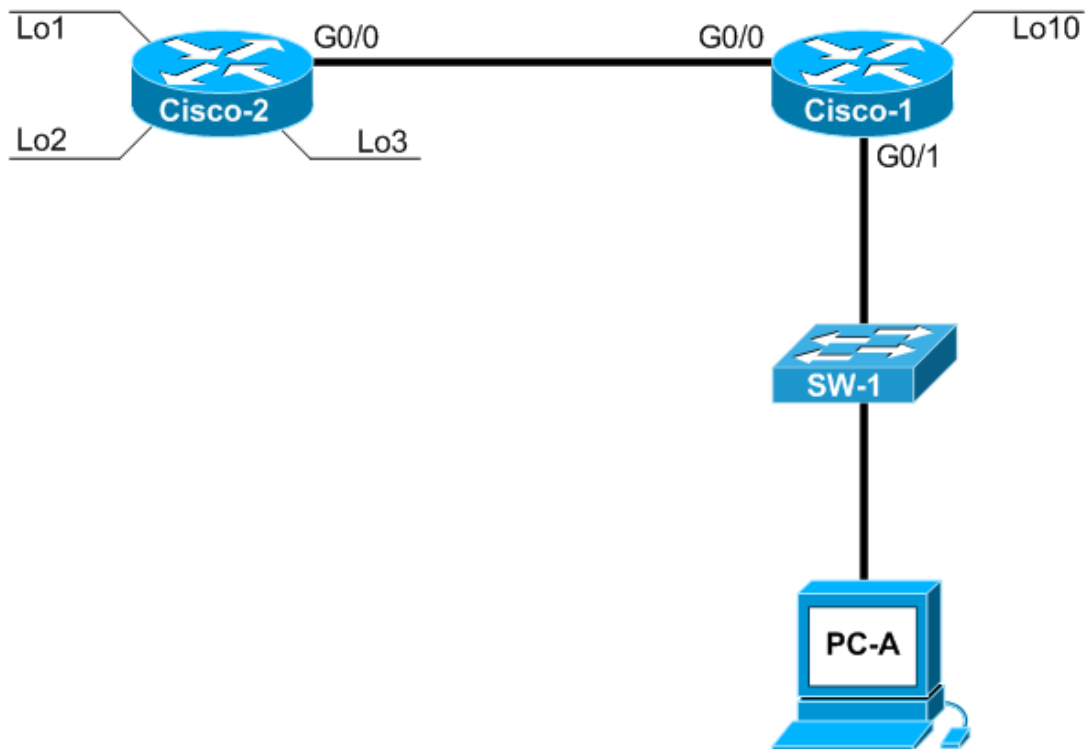


Topology



Note:

- 1) The routers in the topology above are **2901s** and the switch are **2960** (Layer 2 switch)
- 2) The 1 switch is a 2960, there is **“NO”** Configuration to be done on the switch!

IPv6 Addressing Table

Device	interface	IP Address	Subnet Mask	Default Gateway
Cisco-1	G0/0	2001:db8:acad:2::2	/64	N/A
	G0/1	2001:db8:acad:1::254	/64	N/A
	Lo10	2001:db8:acad:100::1	/64	N/A
Cisco-2	G0/0	2001:db8:acad:2::1	/64	N/A
	Lo1	2001:db8:acad:10::1	/64	N/A
	Lo2	2001:db8:acad:20::1	/64	N/A
	Lo3	2001:db8:acad:30::1	/64	N/A
SW-1	N/A	N/A	N/A	N/A
PC-A		2001:db8:acad:1::10	/64	2001:db8:acad:1::254

Initial Setup

Complete the IPv4 version of this lab before attempting this lab!

Setup the Network

- Setup the IP addressing on the ports of the devices according to the “Addressing Table”. (Base IPv6 config supplied IPv6-Cisco-2.txt & IPv6-Cisco-1.txt)
- Setup the OSPF routing to work on the devices according to the “Addressing Table”. (follow the instructions in the last lab with the following parameters)
 - Process ID of 100
 - Area of 420
 - Router ID
 - Cisco-1 will be 10.10.10.10
 - Cisco-2 will be 20.20.20.20

At this point in the configuration, you should be able to from PC-A ping the default gateway of PC-A (Cisco-1) and the local loopback interfaces on Cisco-2 (Lo1, Lo2, Lo3).

If you can not do the pings above, **DO NOT GO ON WITH THE LAB!**

You must complete steps the IPv4 lab and steps “a” and “b” above, and be able to do the pings requested above before moving on with the lab.

- Create a SIMPLE access list
 - 1 That will allow the “PC-A” to ping the Cisco-1 router
 - 2 Will **not** allow the “PC-A” to telnet to the Cisco-1 router
 - 3 Will allow the “PC-A” to telnet to the Cisco-2 and then from Cisco-2 telnet to Cisco-1
 - 4 Assign the access list to the appropriate place