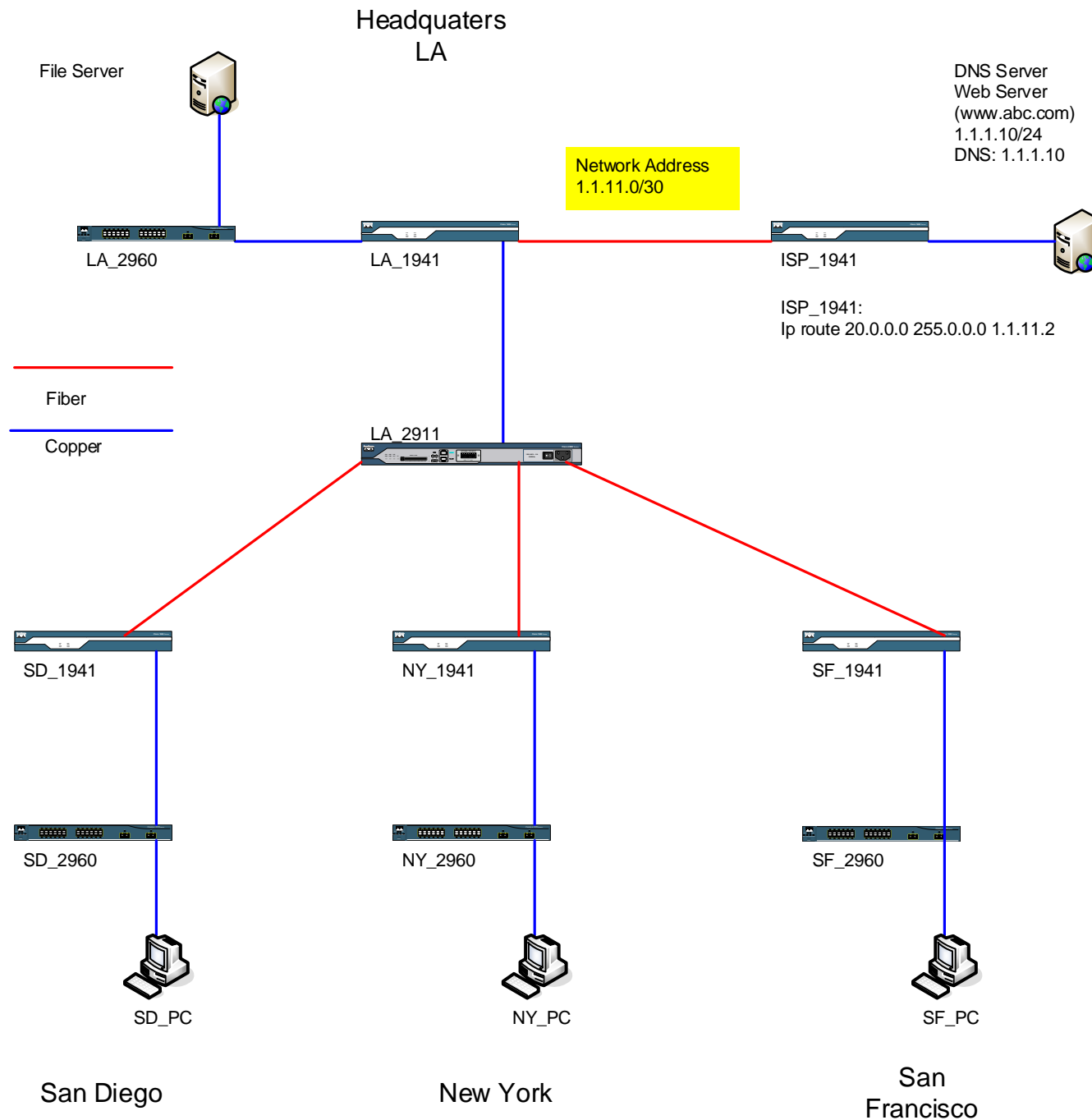


ABC Inc. Network Diagram



CIS 041 Summer 19

Assignment #7

Due: 11:59pm, 7/13/19

No late assignment is accepted.

Max Points: 100

5 points will be deducted for each mistake.

PT file name: CIS41_Assignment7_FirstName

- Subnet 20.0.0.0/8 network for 2000 subnets.

- Assign a subnet to each network on the topology.

1. Use Packet Tracer to configure the topology.
2. Configure each interface on a router.
Label each interface with interface name, IP and prefix.
3. Configure the hostname on the router and label the hostname as shown in the topology.
4. Configure only static routes on each router.
Tip: Each ABC company router must know all the networks starting with 20.
*Networks that are starting with 1.1, use the default route.
*Make sure that you have a correct next hop address.
Do not configure unnecessary routes.
5. Configure the hostname, VLAN 1 interface and gateway on each switch.
Label each switch with hostname, IP, prefix and gateway.
6. Place a computer as shown in the topology.
Configure IP, SM, gateway and DNS.
Label each PC with hostname, IP, prefix, gateway and DNS IP.
7. Enable telnet connections on each Cisco device.
8. Enable a Console password on each Cisco device.
9. Enable a privileged password on each Cisco device.
10. Configure a host record (www.abc.com) and a host record for www.internet.com) on the DNS server.
11. Label Network Address for each network.
12. You should be able to ping any devices from a computer, after configuring successfully.
13. On each PC, check the connectivity to the web server. (ping www.abc.com)

Password: cisco