IT 125-41194

Alex Arnold

3-17-25

Lab 8.5.1

Part 1

A diagram of a diagram of a diagram

AI-generated content may be incorrect.

Step 1 – create devices and cable

A screenshot of a computer program

AI-generated content may be incorrect.

Sw1

A white screen with black text

AI-generated content may be incorrect.

Sw2

Step 2 switch configuration

A screenshot of a computer program

AI-generated content may be incorrect.

R1

A screenshot of a computer program

AI-generated content may be incorrect.

R2

Step 3: Configure basic settings for each router.  
A computer screen shot of a computer

AI-generated content may be incorrect.

R1

A computer code with black text

AI-generated content may be incorrect.

R1 successful ping

A screenshot of a computer program

AI-generated content may be incorrect.

R2 config

Step 4 Configure interfaces and routing for both routers.

A screenshot of a computer program

AI-generated content may be incorrect.

Part 2 – PCA auto ip

**Part 2 question - Where did the host-id portion of the address come from?**  
 The host id portion of the address is typically derived from the MAC address of the network interface card (NIC)

A computer screen shot of a black screen

AI-generated content may be incorrect.

Part 3 R1 stateless

A screenshot of a computer program

AI-generated content may be incorrect.

Part 4 Configure a stateful DHCPv6 server on R1