



Figure 7-17 Network diagram for Challenge Lab 7-2

Courtesy of Course Technology/Cengage Learning

Key for the How column: C = directly connected network; R = RIP.

Router A

How	Network	Via/next hop	Metric	Interface
C	192.168.1.0/24	Connected	0	Ethernet0
C	192.168.2.0/24	Connected	1	Ethernet1
C	192.168.3.0/24	Connected	0	Serial0
R	192.168.4.0/24	192.168.3.2	1	Serial0
R	192.168.5.0/24	192.168.3.2	1	Serial0
R	192.168.6.0/24	192.168.3.2	2	Serial0
R	192.168.7.0/24	192.168.3.2	1	Serial0
R	192.168.8.0/24	192.168.3.2		
R	192.168.9.0/24	192.168.3.2	3	Serial0

Router B

How	Network	Via/next hop	Metric	Interface
R	192.168.1.0/24	192.168.3.1	1	Serial1
R	192.168.2.0/24	192.168.3.1	1	Serial1
C	192.168.3.0/24	Connected	0	Serial1
C	192.168.4.0/24	Connected	0	Ethernet0
C	192.168.5.0/24	Connected	0	Serial0
R	192.168.6.0/24	192.168.5.2	1	Serial0
C	192.168.7.0/24	Connected	0	Serial2
R	192.168.8.0/24	192.168.5.2	1	Serial0
R	192.168.9.0/24	192.168.7.2	1	Serial2

Router C

How	Network	Via/next hop	Metric	Interface
R	192.168.1.0/24	192.168.5.1	2	Serial0
R	192.168.2.0/24	192.168.5.1	2	Serial0
R	192.168.3.0/24	192.168.5.1	1	Serial0
R	192.168.4.0/24	192.168.5.1	1	Serial0
C	192.168.5.0/24	Connected	0	Serial0
C	192.168.6.0/24	Connected	0	Serial0
R	192.168.7.0/24	192.168.5.1	1	Serial0
C	192.168.8.0/24	Connected	0	Serial1
R	192.168.9.0/24	192.168.8.2	1	Serial1

Router D

How	Network	Via/next hop	Metric	Interface
R	192.168.1.0/24	192.168.7.1	2	Serial1
R	192.168.2.0/24	192.168.7.1	2	Serial1
R	192.168.3.0/24	192.168.7.1	1	Serial1
R	192.168.4.0/24	192.168.7.1	1	Serial1
R	192.168.5.0/24	192.168.7.1	1	Serial1
R	192.168.6.0/24	192.168.8.1	1	Serial0
C	192.168.7.0/24	Connected	0	Serial1
C	192.168.8.0/24	Connected	0	Serial0
C	192.168.9.0/24	Connected	0	Ethernet0

