

Hands-On #8 IP Address and Subnet Mask Configuration and Routing Table

IP Address and Subnet Mask Configuration

Device	Interface	IP Address	Subnet Mask
Router A	LAN	10.0.1.1	255.255.255.0
Router A	WAN	ISP IP Address	ISP Subnet Mask
Router A	WAN	10.0.3.1	255.255.255.252
Router B	LAN	10.0.2.1	255.255.255.0
Router B	WAN	10.0.3.2	255.255.255.252

Routing Tables

Router A

ID	Destination Network	Subnet Mask	Gateway	Interface
1	10.0.1.0	255.255.255.0	0.0.0.0	LAN
2	10.0.3.0	255.255.255.252	0.0.0.0	WAN (Router B Connection)
3	10.0.2.0	255.255.255.0	10.0.3.2	WAN (Router B Route)
4	0.0.0.0	0.0.0.0	ISP Gateway Address	WAN (Internet)

Router B

ID	Destination Network	Subnet Mask	Gateway	Interface
1	10.0.2.0	255.255.255.0	0.0.0.0	LAN
2	10.0.3.0	255.255.255.252	0.0.0.0	WAN (Router A Connection)
3	10.0.1.0	255.255.255.0	10.0.3.1	WAN (Router A Route)
4	0.0.0.0	0.0.0.0	10.0.3.1	WAN (Internet via Router A)