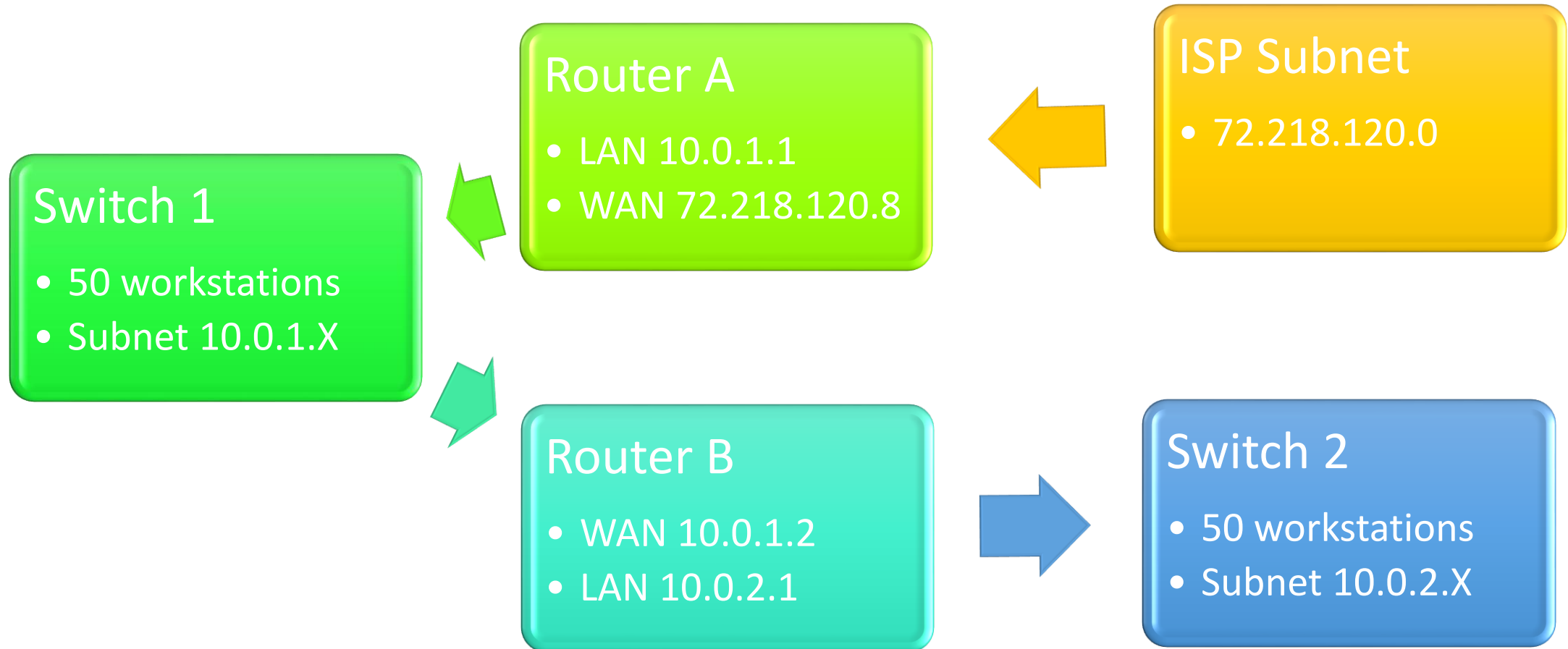


Hands on #7 – Router Tables

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Diagram of the Network



IP and Subnet Configurations of Router A

LAN	WAN
IP Address: 10.0.1.1 Subnet Mask: 255.255.255.0	IP Address: 72.218.120.8 Subnet Mask: 255.255.248.0 Gateway: 72.218.120.1

IP and Subnet Configurations of Router B

LAN	WAN
IP Address: 10.0.2.1 Subnet Mask: 255.255.255.0	IP Address: 10.0.1.2 Subnet Mask: 255.255.255.0 Gateway: 10.0.1.1

The Routing Table For Router A

ID	Destination IP	Mask	Next Hop	Interface
1	10.0.1.0	255.255.255.0		LAN & WAN
2	72.218.120.0	255.255.248.0		WAN
3	10.0.2.0	255.255.255.0	10.0.1.2	LAN
4	0.0.0.0	0.0.0.0	72.218.120.1	WAN

The yellow highlighted area in the routing table is the new entry that I have added into the table for Router A.

The Routing Table For Router B

ID	Destination IP	Mask	Next Hop	Interface
1	10.0.2.0	255.255.255.0		LAN
2	10.0.1.0	255.255.255.0		WAN
3	0.0.0.0	0.0.0.0	10.0.1.1	WAN