

Lab 2 - Task

Question # 1: Why are we using 2911 router and not the others?

- Balance of performance and cost
- Flexibility (multiple WAN connections)
- Advanced security features
- Compact size

Comparison to other routers:

- 2500: Less powerful
- 2600: Similar, but 2911 has better performance
- 3600/3800: More powerful, expensive
- ASR: High-end, service provider-focused

Question # 2 : Why are we using 2950T or 2960 switch and not the others?

- Gigabit Ethernet support
- Affordable
- Easy management
- Reliable
- Flexible port configurations

Comparison to other switches:

- 1900: Entry-level
- 3560: Advanced features, PoE, higher price
- 3750: Stackable, high-performance, higher price
- Nexus: Data center-focused, high-end

2950T vs 2960:

- Speed: 2960 (Gigabit), 2950T (Fast Ethernet)
- Budget: 2950T (less expensive)
- Features: 2960 (IPv6 support, etc.)

Question # 3 :Design the network of "Lab-7" or "Lab-8" (2-3 rows of computers) Use: Switch, Router, & End-Devices like Laptop/PC.

