**Lab Task 2**

**Computer Networks (Lab)**



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# Question 1

Following are the reasons we use Cisco 2911 routers:

## Industry Standard

The Cisco 2911 is part of Cisco's Integrated Services Routers (ISR) portfolio, which is widely recognized and used in the industry.

## Comprehensive Features

The 2911 offers a broad range of features that can support various networking and security services. This includes support for routing protocols, security features like firewalls and VPNs, and modularity with optional interface cards.

## Scalability and Flexibility

The Cisco 2911 is versatile and can be used in different scenarios, from small branch offices to larger enterprise environments. This flexibility allows students to experience a range of configurations and setups.

## Cost and Availability

The Cisco 2911 strikes a balance between cost and capability. It’s often more affordable than higher-end models while still providing enough functionality to cover a wide range of academic needs.

# Question 2

Following are the reasons we use Cisco 2950T or 2960 switches:

## Stability and Reliability

These switches are known for their stability and reliability. They are durable and can handle a lot of use.

## Compatibility with Other Tools

The 2950T and 2960 switches are compatible with various networking tools and simulators.

## Support

These models have been around long enough that they provide a solid foundation in networking principles. They have been widely adopted in the industry, so there's a lot of existing material that make them easier to integrate into a network.

## Affordability

Older models like the 2950T and 2960 are generally less expensive than newer models.