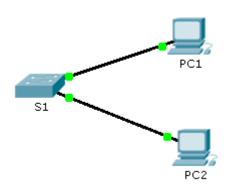# Packet Tracer - Skills Integration Challenge

Topology

Addressing Table

Device	Interface	IP Address	Subnet Mask
S1	VLAN 1	10.10.10.2	255.255.255.0
PC1	NIC	10.10.10.10	255.255.255.0
PC2	NIC	10.10.10.11	255.255.255.0

Scenario

The network administrator asked you to configure a new switch. In this activity, you will use a list of requirements to configure the new switch with initial settings, SSH, and port security.

Requirements

- Configure **S1** with the following initial settings:
    - Hostname
    - Banner that includes the word **warning**
    - Console port login and password **cisco**
    - Encrypted enable password of **class**
    - Encrypt plain text passwords
    - Management interface addressing
- Configure SSH to secure remote access with the following settings:
    - Domain name of **cisco.com**
    - RSA key-pair parameters to support SSH version 2
    - Set SSH version 2
    - User **admin** with password **ccna**
    - VTY lines only accept SSH connections and use local login for authentication
- Configure the port security feature to restrict network access.
    - Disable all unused ports.

- Set the interface mode to access.
- Enable port security to allow only two hosts per port.
- Record the MAC address in the running configuration.
- Ensure that port violations disable ports.