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Understanding Cisco Switches**

What is a Layer 2 Switch Cisco?

A Layer 2 switch is a network device that connects multiple devices within a single network segment by forwarding data frames based on their MAC addresses. It operates at the data link layer of the OSI model.

What is the Admin IP for Cisco Switch?

The default admin IP address for most Cisco switches is 192.168.1.254. However, this can be changed through configuration.

Which Type of Enterprise Campus Network is Where All PC Servers and Printers Are Connected to Each Other Using Layer 2 Switches?

A flat network is an enterprise campus network where all devices, including PC servers and printers, are connected to each other using Layer 2 switches.

How to Assign IP Address to Switch Cisco?

To assign an IP address to a Cisco switch:

1. Enter the "configure terminal" command.
2. Enter the "interface vlan " command.
3. Enter the "ip address " command.
4. Enter the "end" command.

What is the Command to Show Cisco Switch IP?

The command to show the IP address of a Cisco switch is "show ip interface brief".

What is the Difference Between a Switch, Hub, and Router?

- **Hub:** A hub is a passive network device that broadcasts data frames to all connected devices. It operates at the physical layer of the OSI model.
- **Switch:** A switch is an intelligent network device that forwards data frames only to the intended recipient. It operates at the data link layer of the OSI model.
- **Router:** A router is a network device that connects different networks and forwards data packets based on their destination IP addresses. It operates at the network layer of the OSI model.

What is the Difference Between Hub, Bridge, and Switch?
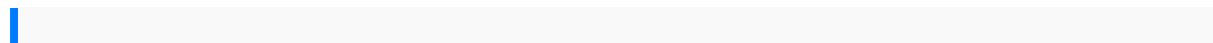
- **Hub:** A hub broadcasts data frames to all connected devices.
- **Bridge:** A bridge forwards data frames between two or more network segments based on their MAC addresses.
- **Switch:** A switch is a more advanced device than a hub or bridge that allows for faster and more efficient data transmission by creating virtual LANs (VLANs) and forwarding data frames only to the intended recipients.

What is the Default IP for at Switch?

The default IP address for most AT switches is 192.168.1.254.

What is the Default Admin Login for Cisco?

The default admin login for Cisco devices is typically "cisco" for both the username and password.

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