

Dear All,

As you are aware that we are soon going to install juniper managed switches. It will be a good idea for all locations to have some basic networking knowledge and below I have listed some of the topics which should give you a basic idea how network works.

- What are the ways to manage a switch and how to connect to console?
- IP Address/Subnet Mask/Default GW – What it means and why they are used?
- IP Address Subnetting – Why it is used and how it is calculated?
- OSI Layer Model – What is it, what all layers do? How packet flow from source to destination?
- VLAN – What is a VLAN, why it is used and what are the advantages?
- STP/RSTP in details(BPDU's/RootGuard/BPDUGuard/BPDU Filter etc) – What it means, how it works and what are the advantages?
- Storm Control(Broadcast/Multicast/Unicast) – What it means and why it is used and advantages?
- Access/Trunk Port - Meaning and their use.
- In-Band Mgmt/Out-band Mgmt – What it means?
- Broadcast/Collision Domain – What is their meaning and why it is used?
- Routing (Static/Dynamic) – What it means and what are the differences? What are the type for dynamic and their advantages?
- SNMP/Syslog – What they means and why they are used?
- Access lists – What it means, types and why are they used?

Important LED Status for EX2200 Series Juniper Switches

LED Label	Color	State and Description
SYS	Green	On steadily—The switch is functioning normally.
		Blinking—The switch is booting.
		Off—The switch is powered off or is halted.
ALM	Unlit	There is no alarm or the switch is halted.
	Amber	There is a minor alarm.

LED Label	Color	State and Description
	Red	There is a major alarm.

We will be using juniper JUNOS OS Software 12.3R8 as a standard OS on all switches. If you are interested in detailed study of this OS you can check below link for detailed study guide.

http://www.juniper.net/techpubs/en_US/junos12.3/information-products/topic-collections/ex-series/software-all/book-software-ex-series-123-all.pdf .