ENGR 476   ENGINEERING Lab

Lab - 1

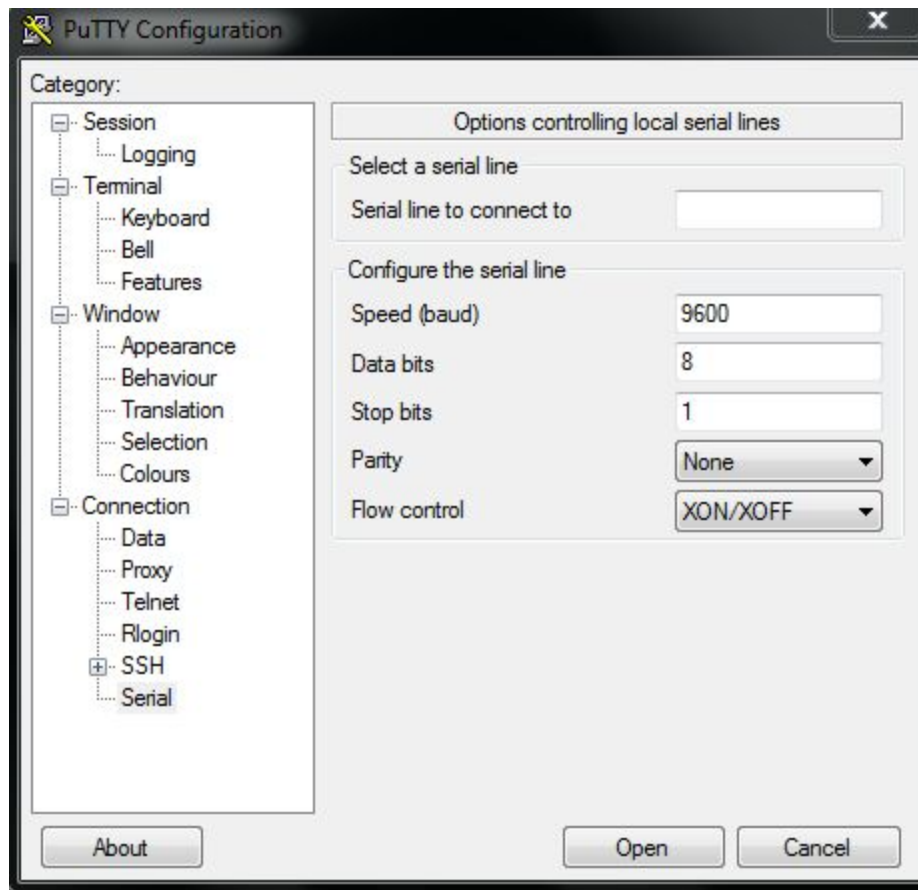**Student name: Anish Kumaramangalam**

Section: 01

Date: Mar. 20, 2016

ENGR 476 : Computer Communications Networks
Lab: Intro to Arista-7050T Switches

What do each of the values in the string 9600-8-N-1 mean?

Now what is the Privilege level for Unprivileged EXEC mode?

    localhost>show privilege
    Current privilege is level is 1
    localhost>

What is the Privilege level for Privileged EXEC mode?

    localhost>enable
    localhost#show privilege
    Current privilege is level is 15
    localhost#

Take a screenshot of all the commands in the Privileged EXEC mode

localhost#?

```
agent          Configure agent settings
 bash           Field engineering bash access
 cd             Change current directory
 clear          Reset functions
 clock          Configure the system clock
 configure      Enter configuration mode
 connect        Open a terminal connection
 copy           Copy from one file to another
 debug          Configure debug messages
 default        Set a command to its defaults
 delete         Delete a file
 diagnostic     Enter diagnostic test mode
 diff           Diff one file with another
 dir            List files on a filesystem
 disable        Turn off privileged commands
 do             Run exec commands
 enable         Turn on privileged commands
 erase          Erase startup Configuration
 event-monitor  Run event monitor actions
 exit           Exit from Exec mode
 extension      Install an EOS extension
 help           Description of the interactive help system
 install        Install software image
 locator-led    Set a specific LED to flash
 logout         Exit from EXEC mode
 mkdir          Create a directory
 more           Display the contents of a file
 no             Negate a command or set its defaults
 ping           Send echo messages
 platform       Platform EXEC commands
 pwd            Display current working directory
 python-shell   Break into a Python shell
 reload         Halt and perform a cold restart
 rename         Rename a file
 reset          Reset various components of the switch
 rmdir          Delete a directory
 routing-context Enter VRF context
 send           Generate log message
 show           Show running system information
 ssh            Open ssh connection
 tcpdump        Monitor packets with tcpdump
 telnet         Open a telnet connection
 terminal       Set terminal parameters
```

```
  test          Test feature
  trace          Monitor trace output
  traceroute      Trace route to destination
  undebug         Disable debug messages
  verify         Verify a file
  virtual-machine  Virtual Machine Subsystem
  wait-for-warmup  Block until agents declare themselves as warm
  watch          Execute a command repeatedly
  write          Write configuration
  xmpp           XMPP client commands
 localhost#
```

Print the status of the zerotouch mode by using **show** command after the boot sequence

Login: admin
localhost>show zerotouch

ZeroTouch Mode: Disabled
Script Exec Timeout: 900
localhost>

Type the command **show interfaces** to display the running or saved config file from your localhost. Cut and paste the management interface config from your localhost into the word document.

localhost#show interface management 1
Management1 is up, line protocol is up (connected)
  Hardware is Ethernet, address is 001c.73d6.6158 (bia 001c.73d6.6158)
  Internet address is 10.0.2.8/24
  Broadcast address is 255.255.255.255
  Address determined by manual configuration
  IP MTU 1500 bytes , BW 1000000 kbit
  Full-duplex, 1Gb/s, auto negotiation: on
  Up 11 seconds
  3 link status changes since last clear
  Last clearing of "show interface" counters never
  5 minutes input rate 133 bps (0.0% with framing overhead), 0 packets/sec
  5 minutes output rate 23 bps (0.0% with framing overhead), 0 packets/sec
    43 packets input, 5108 bytes
    Received 40 broadcasts, 3 multicast
    0 runts, 0 giants
    0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards
    0 PAUSE input
```

10 packets output, 886 bytes
Sent 6 broadcasts, 4 multicast
0 output errors, 0 collisions
0 late collision, 0 deferred, 0 output discards
0 PAUSE output