

Multi-Switch Configuration Tool

This application reads information from configs.csv and creates configuration files named for the hostname you provide. The fields in the CSV file are set to the application and cannot be reordered. Do not change the 1st line in the file. Below are descriptions of excepted values for the fields.

Hostname – a string of letters, numbers, or special characters to name the switch. No spaces. Accepted special characters are (- _ # \$ ^ & *)

IP Address – dotted decimal number with 4 octets (Ex: 192.168.1.101)

Subnet Mask – must be in CIDR notation format (Ex:/24). Below are the conversions for the CIDR notation:

Subnet mask in dotted decimal format	Subnet mask in CIDR notation
255.0.0.0	/8 <- Class A Default
255.128.0.0	/9
255.192.0.0	/10
255.224.0.0	/11
255.240.0.0	/12
255.248.0.0	/13
255.252.0.0	/14
255.254.0.0	/15
255.255.0.0	/16 <- Class B Default
255.255.128.0	/17
255.255.192.0	/18
255.255.224.0	/19
255.255.240.0	/20
255.255.248.0	/21
255.255.252.0	/22
255.255.254.0	/23
255.255.255.0	/24 <- Class C Default
255.255.255.128	/25
255.255.255.192	/26
255.255.255.224	/27
255.255.255.240	/28
255.255.255.248	/29
255.255.255.252	/30

Default Gateway – The gateway address for the subnet in dotted decimal notation. (Ex: 192.168.1.1).

Username – username to login locally to the switch. Letters only and capitalization matters.

Password – Password for the username created above. Capitalization matters.

Enable Password – Password to enter enable mode. Capitalization matters.

SNMP Read Only – SNMP string used to read trap information from the switch. Necessary for BNA.

SNMP Read Write – SNMP string used to read trap information or write information to the switch. Necessary for BNA.

Domain Name – Domain name of the network. (Ex: homelab.local)

DNS Server – address of the DNS server for the network. Dotted decimal notation (Ex: 192.168.1.25)

Switch Type – Used to configure one uplink port for the given switch type. Input only the model number. (Ex: 6610)

- ICX 6610 – e 1/3/1 set to 1000-full-master
- ICX 7450 – e 1/2/1 set to default (10G)
- ICX 6450 – e 1/2/2 set to 1000-full-master
- ICX 7250 – e 1/2/2 set to 1000-full

Ports – The number of ports for the switch (possible options are 12, 24, or 48).

Default VLAN – VLAN number to set as the default. (Ex: 1499)

VLAN 1 – 5 – VLAN number to assign to the switch. Up to 5 VLANs can be added. Only the VLAN number in these fields. (Ex: 10) **Only VLAN 1 is required.** Others can be left blank.

VLAN Name 1 - 5 – Name for the VLAN created above. (Ex: Data)

Fields in **RED** are mandatory and should not be left blank. **Only VLAN 1 is required.** Others can be left blank.