ICX Edge Switch Template

# Introduction

The purpose of this document is to template the most basic switch installation, the following section will need to be completed once completed the template will be ready to use.

Please note that creating additional VLANs will need to be manually added as will tagged and un-tagged switch ports, it is also assumed that this is a standalone switch and it is not stacked.

# Pre-Requisites

The following items below will need to be completed prior to using the template on the next page, please replace the text after the equals sign.

When selecting the text, it will become highlighted this is to be expected just replace anything inside the highlighted section. Once completed you can copy directly from the “Switch Template Section” directly onto the switch

* Switch Hostname = <Hostname>
* Customer Name = <Customer Name>
* Switch Management IP Address and subnet mask with CIDR notation = x.x.x.x/xx
	+ Eg 10.0.0.1/24
* Default Gateway of Switch (normally the core switch) = x.x.x.x
* DNS Server IP Address = x.x.x.x
* Domain Name = <FQDN>
* NTP Server IP Address = x.x.x.x
* Username = <Username>
* Password = <Password>
* Total number of ethernet switch ports = xx
* Uplink Port = x/x/x
	+ Must be typed as the switch would expect ie 1/1/1

# Switch Template

enable

configure terminal

!

vlan 999 name Spanning-Tree by port

untagged ethernet x/x/x

 spanning-tree 802-1w

!

Crypto key generate rsa modulus 2048

No telnet server

!

IP dns domain-list <FQDN>

IP dns server-address x.x.x.x

!

errdisable recovery cause all

aaa authentication enable default local

aaa authentication login default local

console timeout 30

ip dhcp-client disable

enable acl-per-port-per-vlan

y

!

hostname <Hostname>

ip address x.x.x.x/xx

ip default-gateway x.x.x.x

!

service password-encryption sha256

y

username <Username> password <Password>

!

clock summer-time zone gmt GMT+00 start 3-31-2018 01:00:00 end 10-31-2018 01:00:00 offset 60

!

ntp

 server x.x.x.x

!

banner motd ^

########################################################################

# Authorised Users Only #

# The information on this computer and network is the property of #

# <Customer Name> and is protected by intellectual property #

# rights. You must be assigned an account on this computer to #

# access the information and are only allowed to access information as #

# defined by the System Administrator(s). Your activities are #

# monitored for security reasons. #

########################################################################

^

!

hitless-failover enable

!

interface ethernet 1/1/1 to 1/1/xx

 spanning-tree 802-1w admin-edge-port

!

interface ethernet x/x/x

 spanning-tree 802-1w admin-pt2pt-mac

!

lldp run

!

ip ssh timeout 60

ip ssh idle-time 30

ip ssh encryption aes-only

ip ssh encryption disable-aes-cbc

!

end

!

write mem

!