Edge-core AOS Learning Experience(1) (紀錄在0804-7712.log裏面)

Date: 08/04/2021

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---- Master state preemption

User Access Verification

Username: admin

Password: admin

CLI session with the AOS7710-32X is opened.

To end the CLI session, enter [Exit].

rfs# reload

System will be restarted. Continue <y/n>? n

Console# show ?

(skip . . .)

Console# help

(skip . . .)

Console# show version

Unit 1

Serial Number : 771232X1812006

Hardware Version : R02E

EPLD Version : NA

Number of Ports : 32

Main Power Status : Up

Redundant Power Status : Down

Role : Master

Loader Version : 1.0

Linux Kernel Version : 3.2.65-1+deb7u2-Ope

Operation Code Version : 05.04.07.29

rfs# show version

Unit 1

Serial Number : 771232X1917039

Hardware Version : R02F

EPLD Version : NA

Number of Ports : 32

Main Power Status : Up

Redundant Power Status : Down

Role : Master

Loader Version : 1.0

Linux Kernel Version : 3.2.65-1+deb7u2-Ope

Operation Code Version : 1.2.180.204

Console# help

Help may be requested at any point in a command by entering

a question mark '?'. If nothing matches, the help list will

be empty and you must backup until entering a '?' shows the

available options.

Two styles of help are provided:

1. Full help is available when you are ready to enter a

command argument (e.g. 'show ?') and describes each possible

argument.

2. Partial help is provided when an abbreviated argument is entered

and you want to know what arguments match the input

(e.g. 'show br?'.)

Console# ?

EXEC commands:

calendar Date and time information

clear Resets functions

configure Enters configuration mode

copy Copies from one file to another

debug Debugging functions

delete Deletes a file

dir Lists files on the file system

disable Returns to normal mode from privileged mode

disconnect Terminates an SSH, Telnet, or a console connection

ethernet Metro Ethernet

exit Exits from privileged EXEC mode

hardware Hardware ralated functions

help Description of the interactive help system

ip Internet protocol

license License related function

linux Linux related function

location-led Location led operation

loopback-detection Performs loopback detection privileged operations

no Negates a command or sets its defaults

ping Sends ICMP echo request packets to another host

ping6 Sends ICMPv6 echo request packets to another host

quit Exits a CLI session

reload Halts and performs a warm restart

sflow Configures sFlow

show Shows information

spanning-tree Specifies spanning-tree configuration

telnet Telnet to a specified host

test Tests subsystem

traceroute Traces routing path

traceroute6 Traces routing path

umount Umount a removable device

watchdog Configures watchdog setting

web-auth Configures web authentication parameters

whichboot Shows which files booted on system power up

Console# reload

System will be restarted. Continue <y/n>?no

Vty-1# show ?

access-group Access groups

access-list Access lists

arp Information of ARP cache

authorization Authorization configurations

banner Banner info

bridge-ext Bridge extension information

calendar Date and time information

class-map Displays class maps

cn Displays congestion notification information

dcbx DCBX

debug State of each debugging option

dns DNS information

dot1q-tunnel 802.1Q tunnel

dot1x 802.1X content

ecmp ECMP information

ethernet Shows Metro Ethernet information

ets 802.1Qaz configuration

hardware Hardware ralated functions

hash-selection Hash selection lists

history Shows history information

hosts Host information

interfaces Shows interface information

ip IP information

ipv6 IPv6 information

l2protocol-tunnel Layer 2 protocol tunneling configuration

lacp LACP statistics

license Shows license status

line TTY line information

lldp LLDP

location-led Location LED operation

log Log records

logging Logging setting

loop Shows the information of loopback

loopback-detection Shows loopback detection information

mac MAC access list

mac-address-table Configuration of the address table

management Shows management information

memory Memory utilization

mlag Displays MLAG information

network-access Shows the entries of the secure port

nlm Show notification log

ntp Network Time Protocol configuration

pfc Displays Priority-based Flow Control Information

policy-map Displays policy maps

port Port characteristics

port-channel Port channel information

process Device process

public-key Public key information

qos Quality of Service

queue Priority queue information

radius-server RADIUS server information

reload Shows the reload settings

rmon Remote monitoring information

route-map Shows route-map

rspan Display status of the current RSPAN configuration

running-config Information on the running configuration

sflow Shows the sflow information

snmp Simple Network Management Protocol configuration and

statistics

snmp-server Displays SNMP server configuration

sntp Simple Network Time Protocol configuration

spanning-tree Spanning-tree configuration

ssh Secure shell server connections

startup-config Startup system configuration

system System information

tacacs-server TACACS server information

tech-support Technical information

traffic-segmentation Traffic segmentation information

udld Displays UDLD information

upgrade Shows upgrade information

users Information about users logged in

version System hardware and software versions

vlan Shows virtual LAN settings

vrrp Shows VRRP

vxlan Shows VXLAN information

watchdog Displays watchdog status

web-auth Shows web authentication configuration

Vty-1#

Console# show system

System Description : AOS7710-32X

System OID String : 1.3.6.1.4.1.259.12.1.4.101

System Information

System Up Time : 0 days, 0 hours, 30 minutes, and 6.39 seconds

System Name :

System Location :

System Contact :

MAC Address (Unit 1) : 3C-2C-99-6F-A5-E3

Web Server : Enabled

Web Server Port : 80

Web Secure Server : Enabled

Web Secure Server Port : 443

Telnet Server : Enabled

Telnet Server Port : 23

Jumbo Frame : Disabled

Unit 1

Fan 1: Ok Fan 2: Ok Fan 3: Ok

Fan 4: Ok Fan 5: Ok Fan 6: Ok

System Temperature:

Unit 1

Temperature 1: 37 degrees Temperature 2: 33 degrees

Temperature 3: 32 degrees

Main Power Status : Up

Redundant Power Status : Down

Console#

Console# configure

Console(config)# interface craft

Console(config-if)# ?

Configure commands:

end Exits from configure mode

exit Exits from privileged EXEC mode

help Description of the interactive help system

interface Enters privileged interface configuration mode

ip Internet protocol

ipv6 Configures IPv6 interface property

no Negates a command or sets its defaults

show Shows information

Console(config-if)# exit

Console(config)# exit

Console#

Console# show interfaces status eth 1/11

Information of Eth 1/11

Basic Information:

Port Type : 100GBASEQSFP

MAC Address : 3C-2C-99-6F-A5-EE

Configuration:

Name :

Port Admin : Up

Speed-duplex : Auto

Capabilities : 40Gfull, 100Gfull

FEC Mode : Disabled

Broadcast Storm : Enabled

Broadcast Storm Limit : 500 packets/second

Multicast Storm : Disabled

Multicast Storm Limit : 500 packets/second

Unknown Unicast Storm : Disabled

Unknown Unicast Storm Limit : 500 packets/second

Flow Control : Disabled

LACP : Disabled

MAC Learning : Enabled

Link-up-down Trap : Enabled

Media Type : None

MTU : 1518

Current Status:

Link Status : Down

Operation Speed-duplex : 100Gfull

FEC Mode : Disabled

Flow Control Type : None

Max Frame Size : 1522 bytes (1522 bytes for tagged frames)

MAC Learning Status : Enabled

rfs# show interfaces status

Information of Eth 1/1

Basic Information:

Port Type : 100GBASEQSFP

(Too long, skip . . .)

rfs# show interfaces brief

Interface Name Status PVID Pri Speed/Duplex Type Trunk

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Eth 1/ 1 Down 1 0 Auto 100GBASEQSFP None

Eth 1/ 2 Down 1 0 Auto 100GBASEQSFP None

Eth 1/ 3 Down 1 0 Auto 100GBASEQSFP None

Eth 1/ 4 Down 1 0 Auto 100GBASEQSFP None

Eth 1/ 5 Down 1 0 Auto 100GBASEQSFP None

Eth 1/ 6 Down 1 0 Auto 100GBASEQSFP None

Eth 1/ 7 Down 1 0 Auto 100GBASEQSFP None

Eth 1/ 8 Down 1 0 Auto 100GBASEQSFP None

Eth 1/ 9 Down 1 0 Auto 100GBASEQSFP None

Eth 1/10 Down 1 0 Auto 100GBASEQSFP None

Eth 1/11 Up 1 0 Auto-100Gfull 100GBASEQSFP None

Eth 1/12 Down 1 0 Auto 100GBASEQSFP None

Eth 1/13 Down 1 0 Auto 100GBASEQSFP None

Eth 1/14 Down 1 0 Auto 100GBASEQSFP None

Eth 1/15 Down 1 0 Auto 100GBASEQSFP None

Eth 1/16 Down 1 0 Auto 100GBASEQSFP None

Eth 1/17 Down 1 0 Auto 100GBASEQSFP None

Eth 1/18 Down 1 0 Auto 100GBASEQSFP None

Eth 1/19 Down 1 0 Auto 100GBASEQSFP None

Eth 1/20 Down 1 0 Auto 100GBASEQSFP None

Eth 1/21 Down 1 0 Auto 100GBASEQSFP None

--- [Space] Next page, [Enter] Next line, [A] All, Others to exit --- Eth 1/22 Down 1 0 Auto 100GBASEQSFP None

Eth 1/23 Down 1 0 Auto 100GBASEQSFP None

Eth 1/24 Down 1 0 Auto 100GBASEQSFP None

Eth 1/25 Down 1 0 Auto 100GBASEQSFP None

Eth 1/26 Down 1 0 Auto 100GBASEQSFP None

Eth 1/27 Down 1 0 Auto 100GBASEQSFP None

Eth 1/28 Down 1 0 Auto 100GBASEQSFP None

Eth 1/29 Down 1 0 Auto 100GBASEQSFP None

Eth 1/30 Down 1 0 Auto 100GBASEQSFP None

Eth 1/31 Down 1 0 Auto 100GBASEQSFP None

Eth 1/32 Down 1 0 Auto 100GBASEQSFP None

rfs# show interfaces counters

Ethernet 1/ 1

===== IF table Stats =====

0 Octets Input

0 Octets Output

0 Unicast Input

0 Unicast Output

0 Discard Input

0 Discard Output

0 Error Input

0 Error Output

0 Unknown Protocols Input

0 QLen Output

===== Extended Iftable Stats =====

0 Multi-cast Input

0 Multi-cast Output

0 Broadcast Input

0 Broadcast Output

===== Ether-like Stats =====

0 Alignment Errors

0 FCS Errors

0 Single Collision Frames

0 Multiple Collision Frames

0 SQE Test Errors

--- [Space] Next page, [Enter] Next line, [A] All, Others to exit ---

(Too long, skip . . .)

rfs# show interfaces history

Interface Name Interval (s) Buckets Status

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Eth 1/ 1 15min 900 21/ 96 Active

Eth 1/ 1 1day 86400 0/ 7 Active

Eth 1/ 2 15min 900 21/ 96 Active

Eth 1/ 2 1day 86400 0/ 7 Active

Eth 1/ 3 15min 900 21/ 96 Active

Eth 1/ 3 1day 86400 0/ 7 Active

Eth 1/ 4 15min 900 21/ 96 Active

Eth 1/ 4 1day 86400 0/ 7 Active

Eth 1/ 5 15min 900 21/ 96 Active

Eth 1/ 5 1day 86400 0/ 7 Active

Eth 1/ 6 15min 900 21/ 96 Active

Eth 1/ 6 1day 86400 0/ 7 Active

Eth 1/ 7 15min 900 21/ 96 Active

Eth 1/ 7 1day 86400 0/ 7 Active

Eth 1/ 8 15min 900 21/ 96 Active

Eth 1/ 8 1day 86400 0/ 7 Active

Eth 1/ 9 15min 900 21/ 96 Active

Eth 1/ 9 1day 86400 0/ 7 Active

Eth 1/10 15min 900 21/ 96 Active

Eth 1/10 1day 86400 0/ 7 Active

Eth 1/11 15min 900 21/ 96 Active

--- [Space] Next page, [Enter] Next line, [A] All, Others to exit --- Eth 1/11 1day 86400 0/ 7 Active

Eth 1/12 15min 900 21/ 96 Active

Eth 1/12 1day 86400 0/ 7 Active

Eth 1/13 15min 900 21/ 96 Active

Eth 1/13 1day 86400 0/ 7 Active

Eth 1/14 15min 900 21/ 96 Active

Eth 1/14 1day 86400 0/ 7 Active

Eth 1/15 15min 900 21/ 96 Active

Eth 1/15 1day 86400 0/ 7 Active

Eth 1/16 15min 900 21/ 96 Active

Eth 1/16 1day 86400 0/ 7 Active

Eth 1/17 15min 900 21/ 96 Active

Eth 1/17 1day 86400 0/ 7 Active

Eth 1/18 15min 900 21/ 96 Active

Eth 1/18 1day 86400 0/ 7 Active

Eth 1/19 15min 900 21/ 96 Active

Eth 1/19 1day 86400 0/ 7 Active

Eth 1/20 15min 900 21/ 96 Active

Eth 1/20 1day 86400 0/ 7 Active

Eth 1/21 15min 900 21/ 96 Active

Eth 1/21 1day 86400 0/ 7 Active

Eth 1/22 15min 900 21/ 96 Active

Eth 1/22 1day 86400 0/ 7 Active

--- [Space] Next page, [Enter] Next line, [A] All, Others to exit --- Eth 1/23 15min 900 21/ 96 Active

Eth 1/23 1day 86400 0/ 7 Active

Eth 1/24 15min 900 21/ 96 Active

Eth 1/24 1day 86400 0/ 7 Active

Eth 1/25 15min 900 21/ 96 Active

Eth 1/25 1day 86400 0/ 7 Active

Eth 1/26 15min 900 21/ 96 Active

Eth 1/26 1day 86400 0/ 7 Active

Eth 1/27 15min 900 21/ 96 Active

Eth 1/27 1day 86400 0/ 7 Active

Eth 1/28 15min 900 21/ 96 Active

Eth 1/28 1day 86400 0/ 7 Active

Eth 1/29 15min 900 21/ 96 Active

Eth 1/29 1day 86400 0/ 7 Active

Eth 1/30 15min 900 21/ 96 Active

Eth 1/30 1day 86400 0/ 7 Active

Eth 1/31 15min 900 21/ 96 Active

Eth 1/31 1day 86400 0/ 7 Active

Eth 1/32 15min 900 21/ 96 Active

Eth 1/32 1day 86400 0/ 7 Active

rfs# show interfaces switchport

Information of Eth 1/1

Broadcast Threshold : Enabled, 500 packets/second

Multicast Threshold : Disabled

Unknown Unicast Threshold : Disabled

LACP Status : Disabled

Egress Rate Limit : Disabled, 100000000 kbits/second

VLAN Membership Mode : Hybrid

Ingress Rule : Disabled

Acceptable Frame Type : All frames

Native VLAN : 1

Priority for Untagged Traffic : 0

Allowed VLAN : 1(u)

Forbidden VLAN :

802.1Q Tunnel Status : Disabled

802.1Q Tunnel Mode : Normal

802.1Q Tunnel TPID : 8100 (Hex)

Layer 2 Protocol Tunnel : None

Switching Mode : Store and Forward

Information of Eth 1/2

(Too long, skip . . .)

Information of Eth 1/32

Broadcast Threshold : Enabled, 500 packets/second

Multicast Threshold : Disabled

Unknown Unicast Threshold : Disabled

LACP Status : Disabled

Egress Rate Limit : Disabled, 100000000 kbits/second

VLAN Membership Mode : Hybrid

Ingress Rule : Disabled

Acceptable Frame Type : All frames

Native VLAN : 1

Priority for Untagged Traffic : 0

Allowed VLAN : 1(u)

Forbidden VLAN :

802.1Q Tunnel Status : Disabled

802.1Q Tunnel Mode : Normal

802.1Q Tunnel TPID : 8100 (Hex)

Layer 2 Protocol Tunnel : None

Switching Mode : Store and Forward

rfs# show interfaces transceiver

Information of Eth 1/1

No SFP inserted

Information of Eth 1/2

Connector Type : No Separable Connector

Fiber Type :

Baud Rate : 25500 MBd

Vendor OUI : 70-72-CF

Vendor Name : Edgecore

Vendor PN : ET7402-100DAC-3M

Vendor Rev : 01

Vendor SN : J11917004035

Date Code : 17-06-28

Tx-disable Capability : No

DDM Information

Temperature : 28.79 degree C

Vcc : 3.33 V

DDM Thresholds

Low Alarm Low Warning High Warning High Alarm

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Temperature(Celsius) -10.00 -5.00 75.00 80.00

Voltage(Volts) 2.90 3.00 3.60 3.70

Current(mA) 2.00 3.00 10.00 11.00

--- [Space] Next page, [Enter] Next line, [A] All, Others to exit --- RxPower(dBm) -13.00 -12.00 2.50 3.00

Information of Eth 1/3

No SFP inserted

Information of Eth 1/4

No SFP inserted

Information of Eth 1/5

No SFP inserted

Information of Eth 1/6

No SFP inserted

Information of Eth 1/7

No SFP inserted

Information of Eth 1/8

No SFP inserted

Information of Eth 1/9

No SFP inserted

--- [Space] Next page, [Enter] Next line, [A] All, Others to exit --- Information of Eth 1/10

No SFP inserted

Information of Eth 1/11

Connector Type : No Separable Connector

Fiber Type :

Baud Rate : 25500 MBd

Vendor OUI : 70-72-CF

Vendor Name : Edgecore

Vendor PN : ET7402-100DAC-1M

Vendor Rev : 01

Vendor SN : J11917004032

Date Code : 17-06-28

Tx-disable Capability : No

DDM Information

Temperature : 29.25 degree C

Vcc : 3.33 V

DDM Thresholds

Low Alarm Low Warning High Warning High Alarm

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Temperature(Celsius) -10.00 -5.00 75.00 80.00

Voltage(Volts) 2.90 3.00 3.60 3.70

Current(mA) 2.00 3.00 10.00 11.00

--- [Space] Next page, [Enter] Next line, [A] All, Others to exit --- RxPower(dBm) -13.00 -12.00 2.50 3.00

Information of Eth 1/12

Connector Type : No Separable Connector

Fiber Type :

Baud Rate : 25500 MBd

Vendor OUI : 70-72-CF

Vendor Name : Edgecore

Vendor PN : ET7402-100DAC-1M

Vendor Rev : 01

Vendor SN : J11917004003

Date Code : 17-06-28

Tx-disable Capability : No

DDM Information

Temperature : 29.37 degree C

Vcc : 3.33 V

DDM Thresholds

Low Alarm Low Warning High Warning High Alarm

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Temperature(Celsius) -10.00 -5.00 75.00 80.00

Voltage(Volts) 2.90 3.00 3.60 3.70

Current(mA) 2.00 3.00 10.00 11.00

RxPower(dBm) -13.00 -12.00 2.50 3.00

--- [Space] Next page, [Enter] Next line, [A] All, Others to exit ---

Information of Eth 1/13

No SFP inserted

Information of Eth 1/14

No SFP inserted

Information of Eth 1/15

No SFP inserted

Information of Eth 1/16

No SFP inserted

Information of Eth 1/17

No SFP inserted

Information of Eth 1/18

No SFP inserted

Information of Eth 1/19

No SFP inserted

Information of Eth 1/20

--- [Space] Next page, [Enter] Next line, [A] All, Others to exit ---

(Too long, skip . . .)

rfs#

Console# con

Console(config)# int craft ? (craft refers to management port)

<cr>

Console(config)# int craft

Console(config-if)# ip add 192.168.40.99 255.255.255.0

Console(config-if)# exi

Console(config)# ip default-gateway 192.168.40.254

Console(config)# exi

Console# sho ip int

Loopback 0 is Administrative Up - Link Up

Address is 00-00-00-00-00-00

Index: 746, MTU: 0

Address Mode is User specified

Proxy ARP is disabled

DHCP relay server:

VLAN 1 is Administrative Up - Link Down

Address is 3C-2C-99-6F-A5-E3

Index: 1001, MTU: 1500

Address Mode is DHCP

Proxy ARP is disabled

DHCP Vendor Class-ID: AOS7710-32X

DHCP relay server:

Craft interface is Administrative Up

IP Address: 192.168.40.99 Mask: 255.255.255.0

Console# sho run

Building running configuration. Please wait...

!<stackingDB>00</stackingDB>

!<stackingMac>01\_3c-2c-99-6f-a5-e3\_00</stackingMac>

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snmp-server community public ro

snmp-server community private rw

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snmp-server enable traps authentication

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enable password 7 1b3231655cebb7a1f783eddf27d254ca

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vlan database

VLAN 1 name DefaultVlan media ethernet

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spanning-tree mst configuration

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interface ethernet 1/1

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interface ethernet 1/2

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interface ethernet 1/3

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interface ethernet 1/4

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interface ethernet 1/5

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interface ethernet 1/6

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interface ethernet 1/7

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interface ethernet 1/8

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interface ethernet 1/9

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interface ethernet 1/10

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interface ethernet 1/15

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interface ethernet 1/26

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interface ethernet 1/27

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interface ethernet 1/28

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interface ethernet 1/29

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interface ethernet 1/30

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interface ethernet 1/31

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interface ethernet 1/32

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control-plane

!

!

interface vlan 1

ip address dhcp

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!

!

Console# con

Console(config)# int vlan 1

Console(config-if)# ip add 192.168.40.102 255.255.255.0

Failed to set IP address on VLAN 1. Overlapped with existing address.

Console(config-if)# ip add 10.250.2.99 255.255.255.0

Console(config-if)# ip add 10.250.2.99 255.0.0.0

Console(config-if)# exi

Console(config)# exi

Console# sho ip int

Loopback 0 is Administrative Up - Link Up

Address is 00-00-00-00-00-00

Index: 746, MTU: 0

Address Mode is User specified

Proxy ARP is disabled

DHCP Vendor Class-ID: AOS7710-32X

DHCP relay server:

VLAN 1 is Administrative Up - Link Down

Address is 3C-2C-99-6F-A5-E3

Index: 1001, MTU: 1500

Address Mode is User specified

IP Address: 10.250.2.99 Mask: 255.0.0.0

Proxy ARP is disabled

DHCP Vendor Class-ID: AOS7710-32X

DHCP relay server:

Craft interface is Administrative Up

IP Address: 192.168.40.99 Mask: 255.255.255.0

Console# copy run sta

Startup configuration file name [startup1.cfg]: 20210803.cfg

Flash programming started.

Flash programming completed.

Success.

Console# dir

File Name Type Startup Modified Time Size (bytes)

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Unit 1:

runtime.swi OpCode Y 2001-01-01 00:03:38 128596417

20210803.cfg Config Y 2021-05-04 09:10:56 1604

Factory\_Default\_Config.cfg Config N 2021-05-04 07:22:24 471

startup1.cfg Config N 2021-05-04 07:22:31 1507

----------------------------------------------------------------------------

Free space for compressed user config files: 2265882624

Console#