**How to check Interfaces for ips**

Using username "ews".

Last login: Thu Feb 20 15:32:14 2014 from cd129723.optus.com.au

(/home/ews)-> telnet IO2KYGZDB01

Trying 10.120.44.47...

Connected to IO2KYGZDB01.optus.com.au (10.120.44.47).

Escape character is '^]'.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* This service is for authorised clients only \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

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\* WARNING: It is a criminal offence to: \*

\* i. Obtain access to data without authority \*

\* (Penalty 2 years imprisonment) \*

\* ii Damage, delete, alter or insert data without authority \*

\* (Penalty 10 years imprisonment) \*

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Enter login username: ews-user

Enter login password:

System Information at 16:18:21 Thu Feb 20, 2014 (DST)

Time zone: Australia/NSW Most (GMT offset +10:00)

Memory profile is Default

Alteon Application Switch 4408

Switch is up 203 days, 19 hours, 19 minutes and 26 seconds.

Last boot: 19:01:21 Wed Jul 31, 2013 (power cycle)

Last apply: 21:37:38 Wed Aug 7, 2013

Last save: 22:10:35 Wed Aug 7, 2013

MAC Address : 00:03:b2:71:27:c0

IP (If 12) Address : 10.120.44.49

Hardware MainBoard No|Rev : NSA5110-E2SFP | A.04

Hardware DB No : Not Available

Hardware Serial Number : 31000764

Note - When the measured temperature inside the switch EXCEEDs

the anomaly threshold at 74 degree Celsius or the critical

temperature at 81 degree Celsius different syslog messages

will be generated.

Software Version 26.3.3.20 (FLASH image2), active configuration.

CHOC DMZ External Load Balancer 1

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[Main Menu]

info - Information Menu

stats - Statistics Menu

oper - Operations Command Menu

exit - Exit [global command, always available]

>> IO2KYGZDB01 - Main) /i/l3/ip

IP information:

AS number 0

Interface information:

12: IP4 10.120.44.49 255.255.255.192 10.120.44.63 , vlan 804, up

13: IP4 203.13.127.201 255.255.255.0 203.13.127.255 , vlan 953, up

14: IP4 203.13.128.25 255.255.255.224 203.13.128.31 , vlan 978, up

[[ ANAND COMMENT:----------------------------------------------------------------------------------

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1.there are 2 subnets 10.120.44.\* , 203.13.127.\* and 203.13.128.\*

255.255.255.192 means there are 254-192 = servers are available

vlan 804 means real ip should be in same subnet (In DMZ, real ip addresses should be in same subnet )

FOR A02 (admin server),

>> AO2KYGIDB01 - Layer 3) /i/l3/ip

IP information:

AS number 0

Interface information:

11: IP4 10.8.50.201 255.255.255.0 10.8.50.255 , vlan 169, up

12: IP4 10.8.214.201 255.255.255.0 10.8.214.255 , vlan 169, up

Default gateway information: metric strict

1: 10.8.50.254, vlan any, up

2: 10.8.214.254, vlan any, up

>> AO2KYGIDB01 - Layer 3) /i/l2/vlan

VLAN Name Status Jumbo BWC Learn Ports

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1 Default VLAN ena n 1024 ena 1-9

169 10.8.50.0/24-IP-Load-Balancer ena n 1024 ena 10

>> AO2KYGIDB01 - Layer 2)

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Default gateway information: metric strict

12: 10.120.44.62, vlan 804, up

13: 203.13.127.254, vlan 953, up

14: 203.13.128.30, vlan 978, up

Current IP forwarding settings: OFF, dirbr disabled, noicmprd disabled, rtcache enabled

Current local networks:

None

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Current IPv6 local networks:

Current network filter settings:

none

Current route map settings:

>> IO2KYGZDB01 - Layer 3) /i/l2/vlan

VLAN Name Status Jumbo BWC Learn Ports

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1 Default VLAN ena n 1024 ena 2-5 7 8

804 10.120.44.0/26-internet-net-mgm ena n 1024 ena 1 7

953 203.13.127.0/24-wi-ext-web-fron ena n 1024 ena 1 7 8

978 203.13.128.0/27-SVC#2-IZ-EF ena n 1024 ena 1 7 8

>> IO2KYGZDB01 - Layer 2)

[[ ANAND COMMENT:----------------------------------------------------------------------------------

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10.120.44.0/26 means real servers should be in 10.120.44.\* subnet

Example:-

192.168.0.0/23

IP Address : 192.168.0.0

Subnet Mask : /23 (or 255.255.254.0)

IP address range : 192.168.0.0 - 192.168.1.255

Network ID : 192.168.0.0

Network Broadcast : 192.168.1.255

Host IP address range: 192.168.0.1 - 192.168.1.254

Determine IP Address Number

In /24 or smaller networks (within Class C network),

/32 = 255.255.255.255 = 1 IP address

/31 = 255.255.255.254 = 2 IP addresses

/30 = 255.255.255.252 = 4 IP addresses

/29 = 255.255.255.248 = 8 IP addresses

/28 = 255.255.255.240 = 16 IP addresses

/27 = 255.255.255.224 = 32 IP addresses

/26 = 255.255.255.192 = 64 IP addresses

/25 = 255.255.255.128 = 128 IP addresses

/24 = 255.255.255.0 = 256 IP addresses = single Class C network

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