Accessing Network Devices

ssh mtint@flextd\_s@sl1-rancid@ld3-ark-21

sl1-ark-22.hosted.eu.flextrade.com (10.3.28.9)

sudo su -

su - rancid

clogin name

solarwinds

Name: ny4-flex-solar.flexwin.intranet.flextrade.com

Address: 172.21.86.111

Devices

Taken from JumpBox

10.3.17.6 sl1-fw1.hosted.eu.flextrade.com sl1-fw1 ld4-fwl-02

10.3.17.19 sl1-fw2

10.229.3.21 fr-fw1.hosted.eu.flextrade.com fr-fw1 fr2-fwl-01

10.3.17.1 ld4-a13-asa1.hosted.eu.flextrade.com ld4-a13-asa1

192.168.161.11 sl1-esw4.hosted.eu.flextrade.com sl1-esw4

10.3.17.50 ld4-a13-c4110-fxos1

10.3.17.51 ld4-a13-c4110-fxos1

10.3.17.141 ld4-csw-01

10.3.17.142 ld4-csw-02

10.3.17.34 ld4-vpnfw1

10.3.17.35 ld4-vpnfw2

10.3.17.45 ld4-msw-01 ld4-a13-2960xr-stack

10.223.154.6 fr-edge-bloomberg

10.229.2.145 ld3-coresw-ext1.hosted.eu.flextrade.com ld3-coresw-ext1

10.229.2.147 ld3-asa1.hosted.eu.flextrade.com ld3-asa1

10.3.64.53 ld3-vpnfw1.hosted.eu.flextrade.com ld3-vpnfw1

10.3.64.71 ld3-csw-01

10.3.64.72 ld3-csw-02

10.3.2.61 marathon1.cpe

10.3.2.57 marathon2.cpe

10.229.3.17 fr-csw1

10.13.84.8 gneq

10.229.2.17 sl1-esw2

10.229.2.18 sl1-esw3

10.229.2.29 ld4-esw-01

10.229.2.28 ld4-esw-02

10.229.2.27 ld4-esw-03

10.229.2.26 ld4-esw-04

10.3.17.77 ld4-fwl-03

10.229.2.145 ld3-esw-01

10.229.2.146 ld3-esw-02

10.229.3.145 du1-csw-01

10.229.3.147 du1-fwl-01

10.3.17.8 ld4-og-01 ld4-og-13

10.3.17.18 ld4-og-02 ld4-og-24

10.3.64.58 ld3-og-01

81.187.206.75 ld4-og-01-pub ld4-og-13-pub

81.187.87.51 ld4-og-02-pub ld4-og-24-pub

81.187.183.27 ld3-og-01-pub

203.117.130.50 sg1-fwl-01

192.168.255.7 sg1-rtr-01

192.168.254.7 sg1-rtr-02

118.201.53.58 sgd-fwl-01

60.242.186.22 syo-fwl-01

183.177.33.98 ty3-fwl-01

115.114.134.134 puo-fwl-01

172.21.95.2 ny4-fwl-02

172.21.95.1 ny4-fwl-01

172.21.86.5 ny4-csw-01

172.21.95.11 ny4-esw-01

172.20.207.2 ch2-fwl-02

172.20.207.1 ch2-fwl-01

10.13.84.11 ny4-esw-a

10.13.84.12 ny4-esw-b

10.13.84.21 ny4-esw-l1

10.13.84.22 ny4-esw-l2

10.13.84.23 ny4-esw-l3

10.13.84.24 ny4-esw-l4

10.13.84.25 ny4-esw-l5

10.13.84.26 ny4-esw-l6

10.13.84.27 ny4-esw-l7

10.13.84.28 ny4-esw-l8

14.141.15.42 bkc-fwl-01

116.236.69.18 shi-fwl-01

49.255.198.202 alc-fwl-01

203.116.29.65 sgo-fwl-01

10.2.64.195 ldn1-fwl-02 ldn1-fwl-02A

10.2.64.196 ldn1-fwl-02B

10.2.64.130 ldn1-fwl1 ldn1-fwl-01

LDN Devices

Location Hostname IP Address Device Type

LD4 LD4-ESW-01 10.229.2.29 Switch

LD4 LD4-ESW-02 10.229.2.28 Switch

LD4 LD4-ESW-03 10.229.2.27 Switch

LD4 LD4-ESW-04 10.229.2.26 Switch

LD4 LD4-A13-2960XR-STACK 10.3.17.45 Switch

LD4 LD4-A13-N5K1 10.3.17.150 Switch

LD4 LD4-A13-N5K2 10.3.17.151 Switch

LD4 LD4-CSW-01 10.3.17.141 Switch

LD4 LD4-CSW-02 10.3.17.142 Switch

LD3 LD3-ESW-01 10.229.2.145 Switch

LD3 LD3-ESW-02 10.229.2.146 Switch

LD3 LD3-CSW-01 10.3.64.71 Switch

LD3 LD3-CSW-02 10.3.64.72 Switch

LDN1-CSW-01 Switch Cisco Nexus 93180YC-EX N9K-C93180YC-EX FDO252302M2 9.3(9) Cisco - Smartnet 1/26/2023 8/9/2022 8/31/2027

LDN1-CSW-02 Switch Cisco Nexus 93180YC-EX N9K-C93180YC-EX FDO252302K7 9.3(9) Cisco - Smartnet 1/26/2023 8/9/2022 8/31/2027

LDN1-SW-ACC1 Switch Cisco WS-C2960X-48FPD-L WS-C2960X-48FPD-L FCW2041A2H0 15.2(2)E3 Cisco - Smartnet 6/30/2023 10/31/2022 10/31/2027

LDN1-SW-SRV1 Switch Cisco WS-C2960X-24TD-L WS-C2960X-24TD-L FCW2032B307 15.2(2)E3 Cisco - Smartnet 6/30/2023 10/31/2022 10/31/2027

**How to Snmpwalk on Ubuntu 14.04LTS**

You will need to sudo or root privileges to install the following packages

snmpd

snmp

Once these have been installed you will get following command available to you:

kmarquis@marquis:~$ snmp

snmp-bridge-mib snmpconf snmpget snmpset snmptranslate snmpvacm

snmpbulkget snmpd snmpgetnext snmpstatus snmptrap snmpwalk

snmpbulkwalk snmpdelta snmpinform snmptable snmptrapd

snmpcheck snmpdf snmpnetstat snmptest snmpusm

Snmpwalk is useful command to collect information from network device with SNMP agents. Depending on what version of SNMP, you will need to use one of the following commands

**SNMPv1**

*snmpwalk -v1 -c{ community-name } ip\_address*

**snmpwalk -v 1 -ctest-lab 10.1.0.201**

SNMPv2-MIB::sysDescr.0 = STRING: Juniper Networks, Inc. srx220h2 internet router, kernel JUNOS 12.1X44-D45.2 #0: 2015-01-12 14:20:16 UTC builder@dagmath.juniper.net:/volume/build/junos/12.1/service/12.1X44-D45.2/obj-octeon/junos/bsd/kernels/JSRXNLE/kernel Build date: 2015-01-12 15:4

SNMPv2-MIB::sysObjectID.0 = OID: SNMPv2-SMI::enterprises.2636.1.1.1.2.58

DISMAN-EVENT-MIB::sysUpTimeInstance = Timeticks: (458062064) 53 days, 0:23:40.64

SNMPv2-MIB::sysContact.0 = STRING: Write a comment :D

SNMPv2-MIB::sysName.0 = STRING: This a test for snmpwalk example :p

SNMPv2-MIB::sysLocation.0 = STRING: The Lab in Space

SNMPv2-MIB::sysServices.0 = INTEGER: 4

**SNMPv2**

*snmpwalk -v2c -c{ community-name } ip\_address*

**snmpwalk -v2c -ctest-lab 10.1.0.201**

SNMPv2-MIB::sysDescr.0 = STRING: Juniper Networks, Inc. srx220h2 internet router, kernel JUNOS 12.1X44-D45.2 #0: 2015-01-12 14:20:16 UTC builder@dagmath.juniper.net:/volume/build/junos/12.1/service/12.1X44-D45.2/obj-octeon/junos/bsd/kernels/JSRXNLE/kernel Build date: 2015-01-12 15:4

SNMPv2-MIB::sysObjectID.0 = OID: SNMPv2-SMI::enterprises.2636.1.1.1.2.58

DISMAN-EVENT-MIB::sysUpTimeInstance = Timeticks: (458070509) 53 days, 0:25:05.09

SNMPv2-MIB::sysContact.0 = STRING: Write a comment :D

SNMPv2-MIB::sysName.0 = STRING: This a test for snmpwalk example :p

SNMPv2-MIB::sysLocation.0 = STRING: The Lab in Space

SNMPv2-MIB::sysServices.0 = INTEGER: 4

**SNMPv3**

*snmpwalk -v 3 -u { username } -l { noAuthNoPriv|authNoPriv|authPriv } -a { MD5|SHA } -A { authentication-password } -x { DES|AES } -X { privary-password } ip\_address*

**snmpwalk -v3 -u test -l authPriv -a SHA -A test-lab -x AES -X test-lab 10.1.0.201**

SNMPv2-MIB::sysDescr.0 = STRING: Juniper Networks, Inc. srx220h2 internet router, kernel JUNOS 12.1X44-D45.2 #0: 2015-01-12 14:20:16 UTC builder@dagmath.juniper.net:/volume/build/junos/12.1/service/12.1X44-D45.2/obj-octeon/junos/bsd/kernels/JSRXNLE/kernel Build date: 2015-01-12 15:4

SNMPv2-MIB::sysObjectID.0 = OID: SNMPv2-SMI::enterprises.2636.1.1.1.2.58

DISMAN-EVENT-MIB::sysUpTimeInstance = Timeticks: (458338855) 53 days, 1:09:48.55

SNMPv2-MIB::sysContact.0 = STRING: Write a comment :D

SNMPv2-MIB::sysName.0 = STRING: This a test for snmpwalk example :p

SNMPv2-MIB::sysLocation.0 = STRING: The Lab in Space

SNMPv2-MIB::sysServices.0 = INTEGER: 4