! **USER NAME**

username <name> secret <password>

! **Configuration**

ip domain-name example.com  
crypto key generate rsa modulus 2048  
ip ssh time-out 60  
ip ssh authentication-retries 3  
ip ssh source-interface GigabitEthernet 0/1

line vty 0 4  
 transport input ssh

! **This configuration example enables SCP services:**  
  
ip scp server enable

!**This is a configuration example for HTTPS services:**

crypto key generate rsa modulus 2048  
  
ip http secure-server

#### ! If we need to configure SSHv2

hostname Achemy  
  
ip domain-name example.com   
  
crypto key generate rsa modulus 2048  
  
ip ssh time-out 60   
ip ssh authentication-retries 3   
ip ssh source-interface GigabitEthernet 0/1   
   
ip ssh version 2  
  
line vty 0 4   
transport input ssh

! **ACL**

ip access-list extended SMI\_HARDENING\_LIST  
Permit tcp host 10.10.10.1 host 10.10.10.200 eq 4786  
deny tcp any any eq 4786  
permit ip any any

! **URPF**

interface FastEthernet 0/0

ip verify unicast source reachable-via {rx | any} [allow-default]

[allow-self-ping] [*list*]

ip cef  
!  
  
interface <interface>  
 ip verify unicast source reachable-via <mode>

! **Sflow**

! There are many to be consider when sflow

## ! **Configuring sFlow**

## [**Enabling sFlow**](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/system_management/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_System_Management_Configuration_Guide_7x/b_Cisco_Nexus_9000_Series_NX-OS_System_Management_Configuration_Guide_7x_chapter_011000.html#task_B1345F2A7F3B4B3EA5C0580FAACBEDCA)

## [**Configuring the Sampling Rate**](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/system_management/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_System_Management_Configuration_Guide_7x/b_Cisco_Nexus_9000_Series_NX-OS_System_Management_Configuration_Guide_7x_chapter_011000.html#task_899E9AE80D2B4967BABC5DDB10446B90)

## [**Configuring the Maximum Sampled Size**](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/system_management/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_System_Management_Configuration_Guide_7x/b_Cisco_Nexus_9000_Series_NX-OS_System_Management_Configuration_Guide_7x_chapter_011000.html#task_B778C2EF52E84B178DC9E07DAF146947)

## [**Configuring the Counter Poll Interval**](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/system_management/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_System_Management_Configuration_Guide_7x/b_Cisco_Nexus_9000_Series_NX-OS_System_Management_Configuration_Guide_7x_chapter_011000.html#task_1919FEC8715D49CEBB85F6592EF4189E)

## [**Configuring the Maximum Datagram Size**](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/system_management/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_System_Management_Configuration_Guide_7x/b_Cisco_Nexus_9000_Series_NX-OS_System_Management_Configuration_Guide_7x_chapter_011000.html#task_CB0A75F149174F59AB7536C19D2254D7)

## [**Configuring the sFlow Collector Address**](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/system_management/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_System_Management_Configuration_Guide_7x/b_Cisco_Nexus_9000_Series_NX-OS_System_Management_Configuration_Guide_7x_chapter_011000.html#task_342BC4A58D4C4C308A3751F5C1682D78)

## [**Configuring the sFlow Collector Port**](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/system_management/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_System_Management_Configuration_Guide_7x/b_Cisco_Nexus_9000_Series_NX-OS_System_Management_Configuration_Guide_7x_chapter_011000.html#task_0CBD6901D9234DD38743698EB34D268C)

## [**Configuring the sFlow Agent Address**](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/system_management/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_System_Management_Configuration_Guide_7x/b_Cisco_Nexus_9000_Series_NX-OS_System_Management_Configuration_Guide_7x_chapter_011000.html#task_0A517B785CFF4848B7C6EC3B76EAB4B6)

## [**Configuring the sFlow Sampling Data Source**](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/system_management/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_System_Management_Configuration_Guide_7x/b_Cisco_Nexus_9000_Series_NX-OS_System_Management_Configuration_Guide_7x_chapter_011000.html#task_741E60C6A2C74B65AC51D054DCC052C4)

switch# configure terminal

switch(config)#

switch(config)# feature sflow

switch(config)# copy running-config startup-config

switch(config)# sflow sampling-rate 50000

switch(config)# sflow max-sampled-size 200

switch(config)# sflow counter-poll-interval 100

switch(config)# sflow max-datagram-size 2000

switch(config)# sflow collector-ip 192.0.2.5 vrf management

switch(config)# sflow collector-port 7000

switch(config)# sflow agent-ip 192.0.2.3

switch(config)# sflow data-source interface ethernet 1/5-12

feature sflow

sflow sampling-rate 5000

sflow max-sampled-size 200

sflow counter-poll-interval 100

sflow max-datagram-size 2000

sflow collector-ip 192.0.2.5 vrf management

sflow collector-port 7000

sflow agent-ip 192.0.2.3

sflow data-source interface ethernet 1/5

SNMP

snmp-server community READONLY RO  
snmp-server community READWRITE RW

If need any BGP

router bgp <asn>  
 neighbor <ip-address> remote-as <remote-asn>  
 neighbor <ip-address> ttl-security hops <hop-count>

neighbor <ip-address> password <secret>