VSRX Cheatsheet

<https://aarvik.dk/juniper-srx-cli-cheatsheet/index.html>

**Basic Operations**

show system uptime

show system storage

ping xxxx

traceroute xxx

telnet xxxx 23

show chassis hardware ← Check Serial Number, SFP  
show system alarms  
show chassis cluster status  
request system reboot  
request system power-off

##### **Show**

show configuration  
show configuration | display set  
show configuration| display set | match [customer|ip|etc]

show log messages | last 10 (system log)

show log /var/log/messages | last 10 (security log)

show system license

show arp

show security ike security-associations

show interfaces terse

show interfaces ge-0/0/1.600

show route terse (static route)

##### **Interface/customer/VLAN**

set interfaces [interface] unit [vlan] description "[Interface or customer name]"  
set interfaces [interface] unit [vlan] vlan-id [vlan-id]  
set interfaces [interface] unit [vlan] family inet address [Range with gateway]  
set security zones security-zone [zone] interfaces [interface.vlan]

Juniper SRX Initial Configurations

Interface Configuration, Zone configuration and Policy Configurations

Basic Settings

**Configuring basic settings**

**Start the CLI**

root# **cli**

root@&gt;

**Enter configuration mode:**

**root@&gt;configure**

[edit]

root@#

**Set root password**

root@# **set system root-authentication plain-text-password**

New password: *password*

Retype new password: *password*

**Set admin password**

[edit]

root@# **set system login user admin class super-user authentication plain-text-password**

**Set System host name**

[edit]

root# set system hostname

**Set DNS Servers**

[edit]

root# set system name-server 8.8.8.8

[edit]

root# set system name-server 8.8.4.4

**Configure Management Interface :**

set interfaces fxp0 unit 0 family inet address 10.10.20.1/24

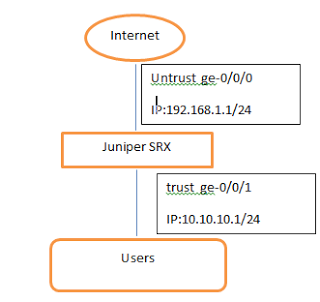
**Commit the configuration and login with admin user**.

[edit]

root@# **commit**

**Configure Interfaces**

Consider the below diagram.

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**Assign IP address for untrust interface**

[edit]

root#set interface ge-0/0/0 unit 0 family inet address 192.168.1.1/24

**Assign IP address for trust interface**

[edit]

root#set interface ge-0/0/1 unit 0 family inet address 10.10.10.1/24

**Configure default route**

[edit]

admin@# **set routing-options static route 0.0.0.0/0 next-hop *gateway***

**4. Configure Zones**

**Create untrust zone and assign interface**

[edit]

root# set security zones security-zone untrust interfaces ge-0/0/0.0

**Create trust zone and assign interface**

[edit]

root# set security zones security-zone trust interfaces ge-0/0/1.0

Enable ssh and https for firewall management on trust interface

[edit]

root# set system services ssh

[edit]

root# set security zones security-zone trust host-inbound-traffic system-services ssh

[edit]

root# set security zones security-zone trust host-inbound-traffic system-services http

[edit]

root# set system services web-management https system-generated-certificate

[edit]

root# set security zones security-zone trust host-inbound-traffic system-services https

**5. Configure Firewall policy**

Create a firewall policy to enable all the traffic from trust zone to internet.

[edit]

admin@# **set security policies from-zone trust to-zone untrust policy *policy-name* match source-address any**

**destination-address any application any**

admin@# **set security policies from-zone trust to-zone untrust policy *policy-name* then permit**

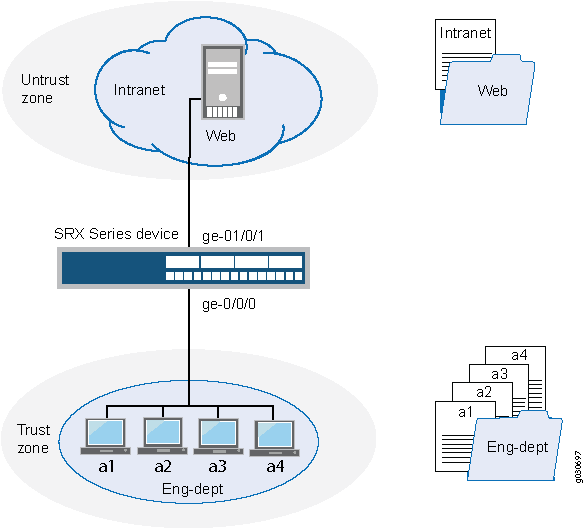
Commit the configuration to active on the gateway.

[edit]

admin@# **commit**

commitcomplete

**6. Address Books**



Address Books are used to simplify network configurations.

set interfaces ge-0/0/0 unit 0 family inet address 203.0.113.5

set interfaces ge-0/0/1 unit 0 family inet address 203.0.113.6

set security zones security-zone trust interfaces ge-0/0/0

set security zones security-zone untrust interfaces ge-0/0/1

set security address-book Eng-dept address a1 203.0.113.1

set security address-book Eng-dept address a2 203.0.113.2

set security address-book Eng-dept address a3 203.0.113.3

set security address-book Eng-dept address a4 203.0.113.4

set security address-book Eng-dept address-set sw-eng address a1

set security address-book Eng-dept address-set sw-eng address a2

set security address-book Eng-dept address-set hw-eng address a3

set security address-book Eng-dept address-set hw-eng address a4

set security address-book Eng-dept attach zone trust

set security address-book Web address Intranet dns-name www-int.device1.example.com

set security address-book Web attach zone untrust

set security address-book global address g1 198.51.100.2