Interface Naming : type – slot/ pic / port

type = The interface media type (ge and xe)
slot = The slot number; Standalone switches use 0, VChassis use member ID
pic = Fixed interfaces use 0, uplink modules Often use >=1
port = The port number

Physical Interfaces

```
[edit vlans]
S1# set v10 vlan-id 10
S1# set v20 vlan-id 20

[edit interfaces]
S1# set ge-0/0/3 unit 0 family ethernet-switching port-mode access
S1# set ge-0/0/3 unit 0 family ethernet-switching vlan members v10

S1# set ge-0/0/1 unit 0 family ethernet-switching interface-mode trunk
S1# set ge-0/0/1 unit 0 family ethernet-switching vlan members v10
S1# set ge-0/0/1 unit 0 family ethernet-switching vlan members v20
```

Aggregated Interfaces

```
[edit chassis]
Stack1# set aggregated-devices ethernet device-count 1

[edit interfaces]
Stack1# set ge-0/1/0 ether-options 802.3ad ae0
Stack1# delete ge-0/1/0 unit 0
Stack1# set ge-1/1/0 ether-options 802.3ad ae0
Stack1# delete ge-1/1/0 unit 0
Stack1# set ae0 unit 0 family ethernet-switching

Stack1# set ae0 aggregated-ether-options lacp active| passive
Stack1# set ae0 unit 0 family ethernet-switching interface-mode trunk
Stack1# set ae0 unit 0 family ethernet-switching vlan members v10
Stack1# set ae0 unit 0 family ethernet-switching vlan members v20
```

VLAN Interfaces & VRRP

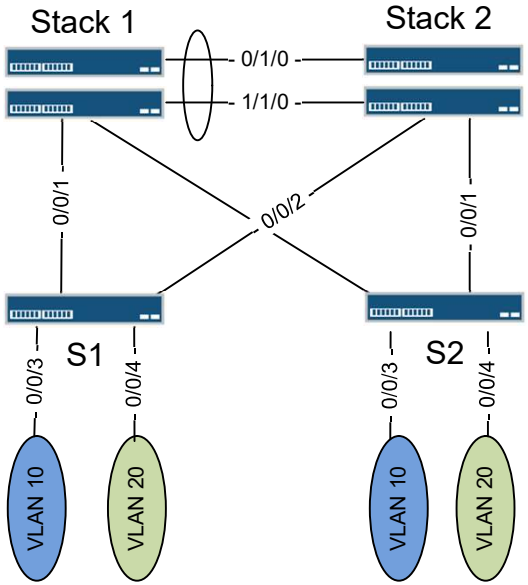
```
[edit interfaces irb unit 10 family inet]
Stack1#set address 192.168.10.251/24 vrrp-group 10 virtual-address 192.168.10.254
Stack1#set address 192.168.10.251/24 vrrp-group 10 priority 200 (100 on Stack2)

[edit interfaces irb unit 20 family inet]
Stack1#set address 192.168.20.251/24 vrrp-group 20 virtual-address 192.168.20.254
Stack1#set address 192.168.20.251/24 vrrp-group 20 priority 100 (200 on Stack2)

[edit vlans]
Stack1# set VLAN10 vlan-id 10
Stack1# set VLAN10 l3-interface irb.10
Stack1# set VLAN20 vlan-id 20
Stack1# set VLAN10 l3-interface irb.20
```

Virtual Chassis (Stack)

```
[edit chassis redundancy ]
Stack1# set graceful-switchover

[edit protocols layer2-control]
Stack1# set nonstop-bridging

[edit virtual-chassis member 0]
Stack1# set mastership-priority 255;

[edit virtual-chassis member 1]
Stack1# set mastership-priority 255;
```

Virtual Chassis with 2 EXs only

```
[edit virtual-chassis]
Stack1# set no-split-detection
```



MSTP

```
[edit protocol mstp]
S1# set configuration-name MY_REGION;
S1# set revision-level 1;
S1# set msti 10 bridge-priority 32k;
S1# set msti 10 vlan 10;
S1# set msti 20 bridge-priority 32k;
S1# set msti 20 vlan 20;

[edit protocol mstp]
Stack1# set configuration-name MY_REGION;
Stack1# set revision-level 1;
Stack1# set msti 10 bridge-priority 4k;
Stack1# set msti 10 vlan 10;
Stack1# set msti 20 bridge-priority 8k;
Stack1# set msti 20 vlan 20;

[edit protocol mstp]
Stack2# set configuration-name MY_REGION;
Stack2# set revision-level 1;
Stack2# set msti 10 bridge-priority 8k;
Stack2# set msti 10 vlan 10;
Stack2# set msti 20 bridge-priority 4k;
Stack2# set msti 20 vlan 20;
```

RSTP & Security options

```
[edit protocol rstp]
S1# set interface ge-0/0/3 edge
S1# set interface ge-0/0/4 edge
S1# set bpdu-block-on-edge

[edit protocol rstp]
Stack1# set interface ge-0/0/1 no-root
Stack1# set interface ge-0/0/2 no-root
```

Debug & Operationnal !

Check interface status
> show interface terse

Verify VRRP mastership
> show vrrp summary

Check LACP probes for AE interfaces
> show lacp interfaces

Verify Spanning Tree interfaces status
> show spanning-tree interface

Verify Virtual Chassis status
> show virtual-chassis status

Good to know !

Reboot
> request system reboot

Rollback with the last known good config
```
# rollback 1
# commit
```

Set the switch root password
```
[edit system root-authentication ]
# set plain-text-password
```

Set the switch hostname
```
# set system hostname SA81SG33K
```