Title

Redundancy w/o Switches

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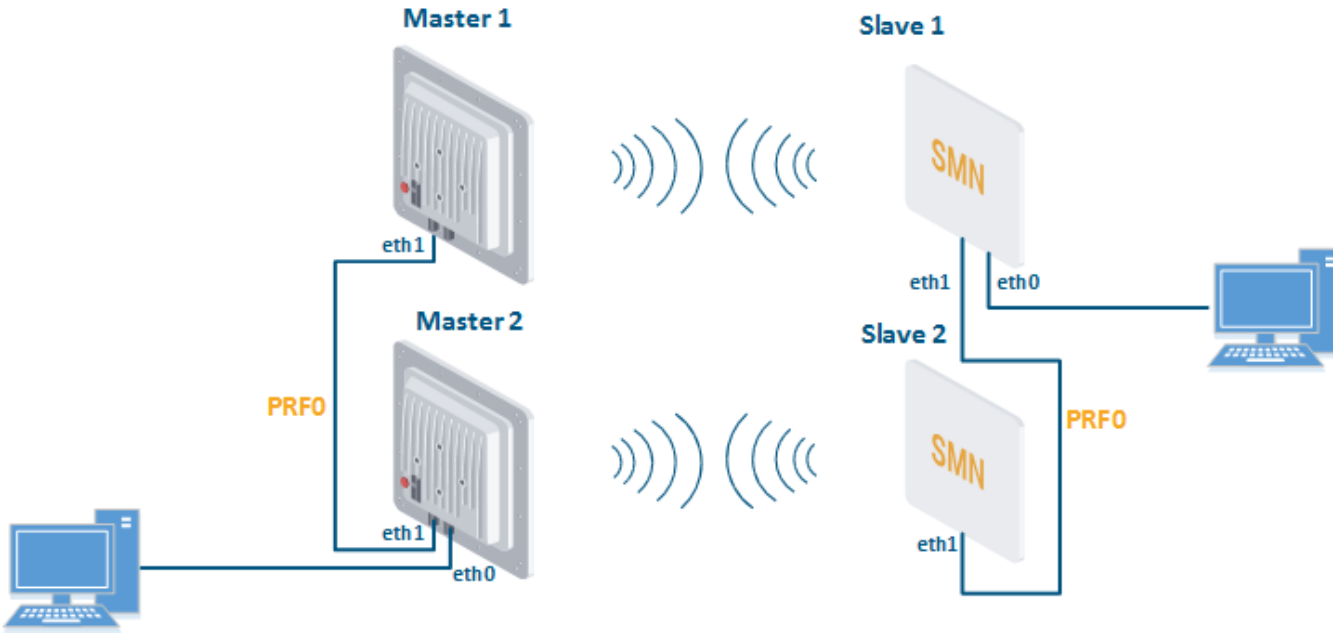
- Description
- Configuration Example

CAUTION

Configurations from the scenarios below are examples that demonstrate the potential capabilities of the Infinet Wireless devices. The configurations may vary depending on the model and firmware version. We do not recommend copying this solutions to the hardware without checking.

Description

InfiLINK 2x2 LITE and InfiMAN 2x2 CPE families devices allow creating redundancy topologies without using switches.



Configuration Example

A management is VLAN 100 in switch group #100. A transport of user data is in switch group #1.

- Configure Master 1 and Slave 1 as the main link.

Master 1

```
rf rf5.0 band 40
rf rf5.0 mimo
rf rf5.0 freq 5000 bitr 300000 sid 10101010 burst
rf rf5.0 txpwr 25 pwrctl distance auto
dfs rf5.0 dfsoff
mint rf5.0 -roaming leader
mint rf5.0 -type master
mint rf5.0 -name "Master 1"
mint rf5.0 -key "123456789"
mint rf5.0 poll start
ifc svi100 up
ifc vlan100 vlan 100 vlandev eth1 up
sw group 100 add vlan100 rf5.0
svi 100 group 100
ifc svi100 192.168.1.1/24
sw group 100 stp on
sw group 100 start
```

Slave 1

```
rf rf5.0 band 40
rf rf5.0 mimo
rf rf5.0 burst
dfs rf5.0 dfsoff
mint rf5.0 prof 1 -band 40 -freq 5000 -bitr 300000 -sid 10101010 -nodeid 00020 -type slave -netid 0 -
minbitr 30000 -autobitr -mimo -key "123456789"
mint rf5.0 -name "Slave 1"
ifc svi100 up
ifc vlan100 vlan 100 vlandev eth0 up
sw group 100 add vlan100 rf5.0
svi 100 group 100
ifc svi100 192.168.1.2/24
switch group 100 order 1
sw group 100 stp on
sw group 100 start
```

- Configure Master 2 and Slave 2 as a backup link.

Master 2

```
rf rf5.0 band 40
rf rf5.0 mimo
rf rf5.0 freq 5100 bitr 300000 sid 10101010 burst
rf rf5.0 txpwr 25 pwrctl distance auto
dfs rf5.0 dfsoff
mint rf5.0 -roaming leader
mint rf5.0 -type master
mint rf5.0 -name "Master 2"
mint rf5.0 -key "123456789"
mint rf5.0 poll start
ifc svi100 up
ifc vlan100 vlan 100 vlandev eth0 up
sw group 100 add vlan100 rf5.0
svi 100 group 100
ifc svi100 192.168.1.3/24
switch group 100 order 1
sw group 100 stp on
sw group 100 start
```

Slave 2

```
rf rf5.0 band 40
rf rf5.0 mimo
rf rf5.0 burst
dfs rf5.0 dfsoff
mint rf5.0 prof 1 -band 40 -freq 5100 -bitr 300000 -sid 10101010 -nodeid 00040 -type slave -netid 0 -
minbitr 30000 -autobitr -mimo -key "123456789"
mint rf5.0 -name "Slave 2"
ifc svi100 up
ifc vlan100 vlan 100 vlandev eth1 up
sw group 100 add vlan100 rf5.0
svi 100 group 100
ifc svi100 192.168.1.4/24
switch group 100 order 1
sw group 100 stp on
sw group 100 start
```

- Create united MINT domain

Master 1

```
ifc prf0 up
prf 0 parent eth1
mint prf0 -name "Master 1 prf"
mint prf0 -nodeid 00050
mint prf0 -type master
mint prf0 -mode fixed
mint prf0 -key "123456789"
mint prf0 -authmode public
mint prf0 start
mint join rf5.0 prf0
```

Slave 1

```
ifc prf0 up
prf 0 parent eth1
mint prf0 -name "Slave 1 prf"
mint prf0 -nodeid 00060
mint prf0 -type master
mint prf0 -mode fixed
mint prf0 -key "123456789"
mint prf0 -authmode public
mint prf0 start
mint join rf5.0 prf0
```

Master 2

```
ifc prf0 up
prf 0 parent eth1
mint prf0 -name "Master 2 prf"
mint prf0 -nodeid 00070
mint prf0 -type master
mint prf0 -mode fixed
mint prf0 -key "123456789"
mint prf0 -authmode public
mint prf0 start
mint join rf5.0 prf0
```

Slave 2

```
ifc prf0 up
prf 0 parent eth1
mint prf0 -name "Slave 2 prf"
mint prf0 -nodeid 00080
mint prf0 -type master
mint prf0 -mode fixed
mint prf0 -key "123456789"
mint prf0 -authmode public
mint prf0 start
mint join rf5.0 prf0
```

- Configure switch groups

Master 1

```
switch group 1 add rf5.0
switch group 1 stp on
switch group 1 start
```

Slave 1

```
switch group 1 add eth0 rf5.0
switch group 1 stp on
switch group 1 start
```

Master 2

```
switch group 1 add eth0 rf5.0
switch group 1 stp on
switch group 1 start
```

Slave 2

```
switch group 1 add rf5.0
switch group 1 stp on
switch group 1 start
```


NOTE

In order to power supply one device from another enable PoE on the port eth1 of the device from which you want to power.

PoE

```
ifc eth1 poe up
```