

VRRP Configuration Guide

Configuration for APC System

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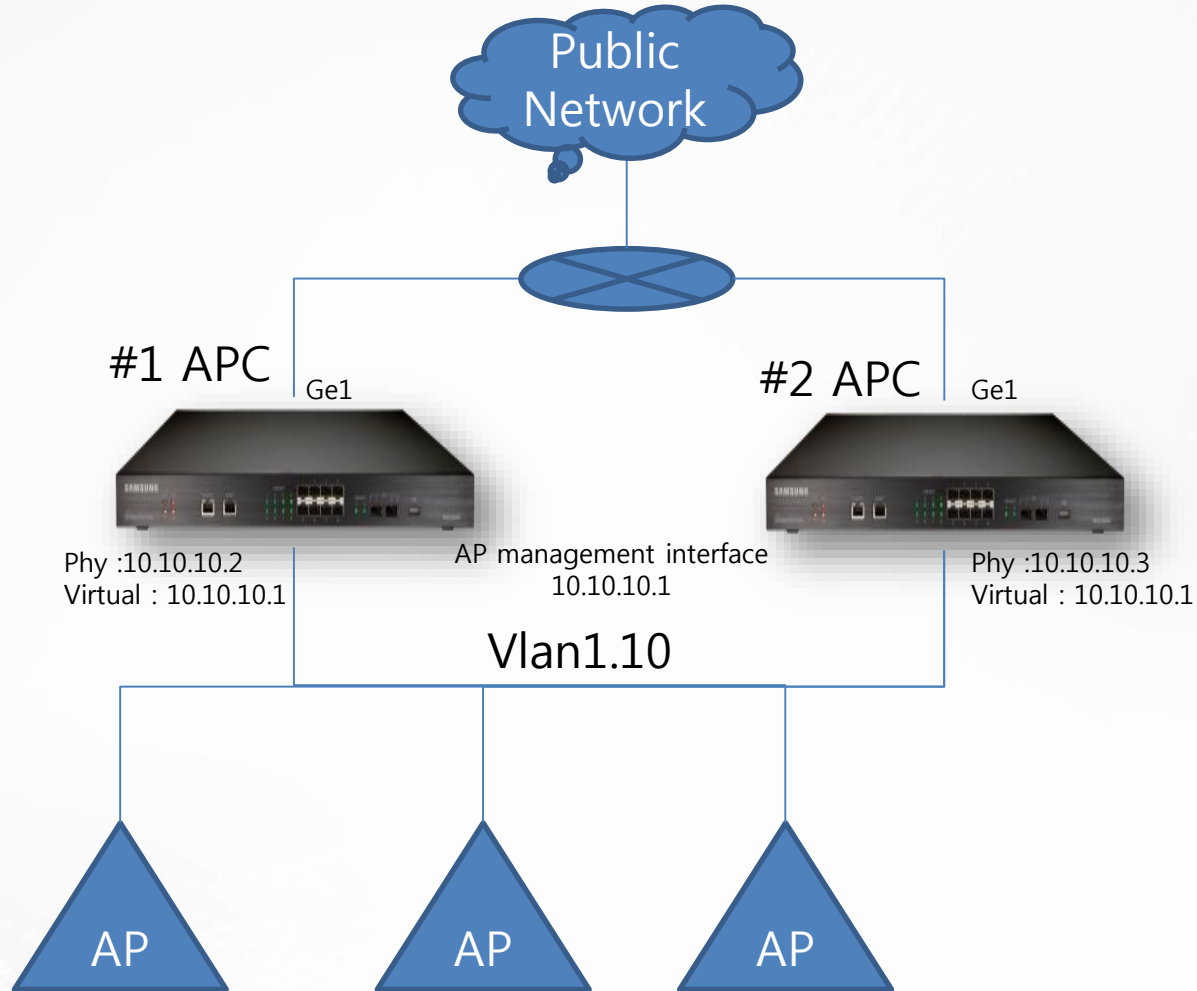
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VRRP Network Topology



VRRP Configuration

- VRRP interface can AP redundancy using AP management interface.
 - VRRP master selection can refer to selected link status.(Circuit Failover)
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- Step 1) VRRP Configuration
 - Step 2) AP management interface Configuration
 - Step 3) Circuit Failover (optional)

Step 1) VRRP Configuration - WEC

- Configuration > Controller > Network > VRRP > Operation
 - VRRP Add

Controller > Network > VRRP > Operation > Add

Back Apply

IF NAME	vlan1.10	Select Interface
VRRP ID	<input type="text" value="1"/>	
MASTER / BACK UP	<input checked="" type="radio"/> Master <input type="radio"/> Back Up	
PRIORITY	<input type="text"/>	
PRIMARY IP ADDRESS	<input type="text" value="10"/> . <input type="text" value="10"/> . <input type="text" value="10"/> . <input type="text" value="1"/>	
ADVERTISEMENT INTERVAL (SEC)	<input type="text" value="1"/>	
PREEMPT MODE	<input checked="" type="radio"/> true <input type="radio"/> false	
PREEMPT DELAY (SEC)	<input type="text" value="0"/>	

Step 1) VRRP configuration – CLI(1)

● #1 APC

```
WEC8500#  
WEC8500# configure terminal  
WEC8500/configure# router vrrp 1 vlan1.10  
WEC8500/configure/router/vrrp 1 vlan1.10# virtual-ip ?  
  A.B.C.D          Virtual IPv4 address  
WEC8500/configure/router/vrrp 1 vlan1.10# virtual-ip 10.10.10.1 ?  
  backup          Set default backup (Not IP address owner)  
  master          Set default master (IP address owner)  
WEC8500/configure/router/vrrp 1 vlan1.10# virtual-ip 10.10.10.1 master  
WEC8500/configure/router/vrrp 1 vlan1.10# enable
```

● #2 APC

```
WEC8500# configure terminal  
WEC8500/configure# router vrrp 1 vlan1.10  
WEC8500/configure/router/vrrp 1 vlan1.10# virtual-ip ?  
  A.B.C.D          Virtual IPv4 address  
WEC8500/configure/router/vrrp 1 vlan1.10# virtual-ip 10.10.10.1 ?  
  backup          Set default backup (Not IP address owner)  
  master          Set default master (IP address owner)  
WEC8500/configure/router/vrrp 1 vlan1.10# virtual-ip 10.10.10.1 backup  
WEC8500/configure/router/vrrp 1 vlan1.10# enable
```

Step 1) VRRP configuration – CLI(2)

- Show VRRP config

```
WEC8500/configure/router/vrrp 1 vlan1.10# show running-config network
~
interface vlan1.10
 no shutdown
 ip address 10.10.10.2/24
!
router vrrp 1 vlan1.10
 virtual-ip 10.10.10.1 master
 enable
```

- Show VRRP information

```
WEC8500/configure/router/vrrp 1 vlan1.10# show vrrp
Address family IPv4
VrId <1>
State is Master
Virtual IP address is 10.10.10.1 (Owner)
Virtual MAC address is 00:00:5e:00:01:01
Priority is 255
Advertisement interval is 1 sec
Preempt mode is TRUE (delay: 0 sec)
MASTER Router 10.10.10.1 (local), priority 255
MASTER Advertisement interval 1
```

Step 2) AP Management Interface - WEC

- Configuration > Controller > General
 - AP Management

Controller > General

AP Management

IP ADDRESS	10.10.10.1	<input type="button" value="Select"/>
AUTO REGISTRATION	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	

Step 2) AP Management Interface – CLI

- AP Management Interface configuration

```
WEC8500# configure terminal
WEC8500/configure# apc
WEC8500/configure/apc# ap-mgmt-if 10.10.10.1
```

- AP Management Interface show information

```
WEC8050# show apc summary

===== APC Summary =====
AP Mgmt interface IP : 10.10.10.1 (vlan1.10)
MaxApNo: 3000
ActiveApNo : 1 (0)
TotalApNo : 3 (0)
802.11a/n Radios : 1/2
802.11b/g/n Radios : 1/2
ActiveStationNo : 0
SecurityAuthType : X.509
RMacField : Support
DtlsPolicy : Both
```

Step 3) Circuit Failover - WEC

- Configuration > Controller > Network > VRRP > Operation
 - VRRP Add

Controller > Network > VRRP > Operation > Add

Back Apply

IF NAME	vlan1.10	Select Interface
VRRP ID	<input type="text" value="1"/>	
MASTER / BACK UP	<input checked="" type="radio"/> Master <input type="radio"/> Back Up	
PRIORITY	<input type="text"/>	
PRIMARY IP ADDRESS	<input type="text" value="10"/> . <input type="text" value="10"/> . <input type="text" value="10"/> . <input type="text" value="1"/>	
ADVERTISEMENT INTERVAL (SEC)	<input type="text" value="1"/>	
PREEMPT MODE	<input checked="" type="radio"/> true <input type="radio"/> false	
PREEMPT DELAY (SEC)	<input type="text" value="0"/>	

Step 3) Circuit Failover – CLI

- Circuit Failover configuration

```
WEC8500#  
WEC8500# configure terminal  
WEC8500/configure# router vrrp 1 vlan1.10  
WEC8500/configure/router/vrrp 1 vlan1.10# circuit-failover ge1 200
```

- Circuit Failover show information

```
WEC8500/configure/router/vrrp 1 vlan1.10# show vrrp  
Address family IPv4  
VrId <1>  
State is Master  
Virtual IP address is 10.10.10.1 (Owner)  
Virtual MAC address is 00:00:5e:00:01:01  
Configured priority is 255, Current priority is 55  
Advertisement interval is 1 sec  
Preempt mode is TRUE (delay: 0 sec)  
Circuit failover interface ge4, Priority Delta 200, Status DOWN  
MASTER Router 10.10.10.1 (local), priority 55  
MASTER Advertisement interval 1
```

Thank you!