

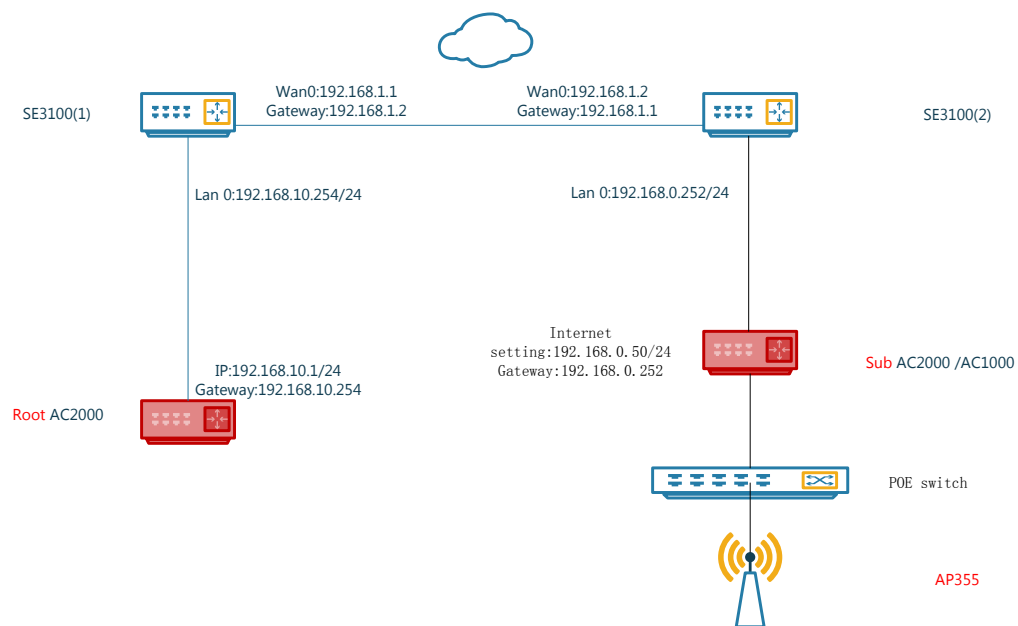
AC2000-Managed Sub AC under Root mode

I. Application

Have centralized management on network equipments (Sub AC) when they are set in different places.

II. Topology

2 SE3100, 1 AC2000, 1 G3224P, 1 AP355 1 AC1000/AC2000



III. Configuration Steps

1. Connect all equipments as topology shows.
2. Two SE3100 are used to stimulate the equipment connected to internet.
3. Configure IP address of (Root AC) AC2000 as 192.168.10.1/24, configure the gateway of AC2000 as 192.168.10.254.

Manage Policy System Status **Network Setting** Maintain Date&Time System Log Network Diagnosis

Manage AP

Captive Portal

User Status

User Statistics

System Tools

Internet Settings

IP Address: 192.168.10.1

Subnet Mask: 255.255.255.0

Gateway: 192.168.10.254

Preferred DNS: 8.8.8.8

Alternate DNS:

OK

Setup the system mode of AC2000 as **Root AC**, Manage Port: **6060**, Firmware Upgrade Port: **9090**. Manage port and Firmware Upgrade port can be replaced by others, but the port number should configure the same in Root AC and Sub AC.

Device Name: AC2000V1.0

Working Mode: Sub AC Root AC Cloud AC

Manage Port: 6060

Firmware Upgrade Port: 9090

OK

4. The configurations of SE3100(1):

Wan0: **192.168.1/24**;

Gateway: **192.168.1.2**;

Lan IP: **192.168.10.254/24**.

The connection status shows: **Disconnected**

WAN0

Connection Type: ADSL Dynamic IP Static IP

IP Address:

Subnet Mask:

Default Gateway:

Preferred DNS:

Alternate DNS:

Link Speed: Uplink: Mbps Downlink: Mbps

Connection Status: Disconnected

| | | |
|------------------|--------------|---|
| Network | LAN Setup | |
| Internet Setup | LAN IP: | <input type="text" value="192.168.10.254"/> |
| WAN Parameters | Subnet Mask: | <input type="text" value="255.255.255.0"/> |
| LAN Setup | | |
| Port Mirroring | | |

The IP address of AC2000 should be bond to the Wan0 of SE3100(1).(we use the DMZ as the instance.)

| | | | | | | | |
|--|--|------|---|--|--|------|---|
| <ul style="list-style-type: none"> Network Filter Management Bandwidth Control VPN Security AC Management Captive Portal PPPoE Authentication <li style="background-color: #f00;">Virtual Server Port Forwarding UPnP <li style="background-color: #f00;">DMZ Host | <div style="border: 1px solid #ccc; padding: 10px;"> <h3 style="margin: 0;">DMZ Host</h3> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; border-bottom: 1px solid #ccc;">WAN0</td> <td style="border-bottom: 1px solid #ccc;">DMZ Host: <input checked="" type="radio"/> Enable <input type="radio"/> Disable</td> </tr> <tr> <td style="border-bottom: 1px solid #ccc;"></td> <td style="border-bottom: 1px solid #ccc;">Host IP: <input type="text" value="192.168.10.1"/></td> </tr> <tr> <td style="border-bottom: 1px solid #ccc;">WAN1</td> <td style="border-bottom: 1px solid #ccc;">DMZ Host: <input type="radio"/> Enable <input checked="" type="radio"/> Disable</td> </tr> </table> <div style="text-align: right; margin-top: 10px;"> <input type="button" value="OK"/> <input type="button" value="Cancel"/> </div> </div> | WAN0 | DMZ Host: <input checked="" type="radio"/> Enable <input type="radio"/> Disable | | Host IP: <input type="text" value="192.168.10.1"/> | WAN1 | DMZ Host: <input type="radio"/> Enable <input checked="" type="radio"/> Disable |
| WAN0 | DMZ Host: <input checked="" type="radio"/> Enable <input type="radio"/> Disable | | | | | | |
| | Host IP: <input type="text" value="192.168.10.1"/> | | | | | | |
| WAN1 | DMZ Host: <input type="radio"/> Enable <input checked="" type="radio"/> Disable | | | | | | |

5. The configuration of SE3100(2):

Wan IP address: **192.168.1.2/24**;


Gateway: **192.168.1.1**;

This time, these two SE3100 will be connected, and the connection status shows:

Connected.

Configure Lan IP address as **192.168.0.252/24**.

| | |
|------|---|
| WAN0 | <p>Connection Type: <input type="radio"/> ADSL <input type="radio"/> Dynamic IP <input checked="" type="radio"/> Static IP</p> <p>IP Address: <input type="text" value="192.168.1.2"/></p> <p>Subnet Mask: <input type="text" value="255.255.255.0"/></p> <p>Default Gateway: <input type="text" value="192.168.1.1"/></p> <p>Preferred DNS: <input type="text" value="8.8.8.8"/></p> <p>Alternate DNS: <input type="text"/></p> <p>Link Speed: Uplink: <input type="text"/> Mbps Downlink: <input type="text"/> Mbps</p> <p>Connection Status: Connected</p> |
|------|---|

| | |
|---|--|
| <ul style="list-style-type: none">  Network Internet Setup WAN Parameters <li style="background-color: #e91e63; color: white;">LAN Setup Port Mirroring | LAN Setup |
| | <p>LAN IP</p> <p>LAN IP: <input type="text" value="192.168.0.252"/></p> <p>Subnet Mask: <input type="text" value="255.255.255.0"/></p> |






6. The configuration of Sub AC:






Select sub model in AC 2000 or Use AC1000.

Internet Settings IP Address :192.168.0.50/24

Gateway :192.168.0.252

Lan IP:192.168.10.1

| | |
|--|---|
| <ul style="list-style-type: none">  Discover AP  Manage Policy  Manage AP  User Status <li style="background-color: #e91e63; color: white;"> System Tools | <p>System Status Network Setting DHCP List For AP Maintain Date&Time S</p> <hr/> <p style="color: #e91e63;">Internet Settings</p> <p>IP Address <input type="text" value="192.168.0.50"/></p> <p>Subnet Mask <input type="text" value="255.255.255.0"/></p> <p>Gateway <input type="text" value="192.168.0.252"/></p> <p>Preferred DNS <input type="text" value="8.8.8.8"/></p> <p>Alternate DNS <input type="text"/></p> <p style="text-align: center; background-color: #e91e63; color: white; padding: 5px;">OK</p> |
|--|---|

| | |
|---|--|
| <ul style="list-style-type: none">  Discover AP  Manage Policy  Manage AP  User Status <li style="background-color: #e91e63; color: white;"> System Tools | <p style="color: #e91e63;">LAN Settings</p> <p>IP Address <input type="text" value="192.168.10.1"/></p> <p>Subnet Mask <input type="text" value="255.255.255.0"/></p> <p style="text-align: center; background-color: #e91e63; color: white; padding: 5px;">OK</p> |
|---|--|

Check System Tools, select Working Mode as Sub AC, type in the Wan IP address or

domain name which is binding Root AC address. Configure the Root AC manage port as 6060 and upgrade port as 9090. Manage port and Firmware Upgrade port can be replaced by others, but the port number should configure the same in Root AC and Sub AC.

System Mode

Device Name: AC1000V1.0

Working Mode: Sub AC

Root AC Address: 192.168.1.1
The WAN IP address or domain name of the router that the Root AC connects to. Format: IP/Domain name: port No. (such as: http://www.ip-com.com.cn:8080)

Manage Port: 6060

Firmware Upgrade Port: 9090

OK

Make sure your Sub AC managed AP.

Discover AP | Discover AP | Discover SSID | Export | Delete | Search: MAC, Remark, IP

Online APs: 1 [Refresh](#) | Per Page: 10

| Model | Remark | IP | MAC | Online User | SSID | Channel | Version | Status |
|-----------|-----------|----------------|-------------------|-------------|----------------------------|--------------|----------------|--------|
| ap355v1.0 | AP355V1.0 | 192.168.10.132 | 00:B0:C6:59:CD:A0 | 0 | IP-COM_AP_0 IP-COM_AP_0 | Auto Auto | V1.0.0.6(3307) | Online |

7. Check whether Sub AC can be managed by Root AC through 'public network'.

Run Time 0Day 00:28:13

Firmware Version V1.0.2.4(4661)

CPU Usage 0%

Memory Usage 7%

Offline ACs 0



Online ACs:1



Online APs:1



Online users:0



Online Terminal Type:0

AC List AP List

Export Upgrade Delete

Search

Total Online ACs:1 Refresh

Per Page 10

| Model | Sub AC | IP Address | Online APs | Total Online | Firmware Version | Online Time | Status |
|--------|------------|-------------|------------|--------------|------------------|---------------------|--------|
| AC1000 | AC1000V1.0 | 192.168.1.2 | 1 | 0 | V1.0.0.4(4638) | 2016-10-29 14:46:36 | Online |

AC List AP List

Export

型号

Total Online APs:1 Refresh

Per Page 10

| 型号 | 备注 | 从AC位置 | IP地址 | MAC地址 | 终端/限制数 | 软件版本 | 活跃时间 | 状态 |
|-------|-----------|--------|----------------|-------------------|--------|----------------|-------------------|--------|
| AP355 | AP355V1.0 | AC1000 | 192.168.10.132 | 00:b0:c6:59:cd:a0 | 0/64 | V1.0.0.6(3307) | 2016-10-29 14:... | Online |

IV. Trouble Shooting

1. Make sure the network does work: use the built-in tool to check the network.

- Manage Policy
- Manage AP
- Captive Portal
- User Status
- User Statistics
- System Tools

Network Tool Ping

Destination IP/Domain

Packet Number 1-32

Packet Size 32-1464 Unit: Byte

32 bytes from 192.168.1.2: ttl=63 time=1.099

End

2. Login to the website "canyouseeme.org", check whether port 6060 and port 9090 opened. If neither these two ports work, change another port number, and the port number should configure the same in Root AC and Sub AC.
3. The IP address of SE3100's wan port should be public IP in real situation.