



 H3C WLAN製品ACハンズオントレーニング



- 01 アクセスポイントをFITに設定する
- 02 ACを設定する
- 03 完成したコンフィグのコマンドでの確認
- 04 PoEスイッチの設定
- 05 マニュアルについて

# アクセスポイントの動作モードの違い

アクセスポイントの動作モードには **FIT**、**Cloud**、**Anchor-ac**の3通りがあります。

## FITモード

FIT-APはACのGUI又はCLIで管理するので、**FIT-APを単体でGUI又はCLIで管理することはできません**。またFIT-APはACとの接続が切れるとACを探してリブートを繰り返します。

ルーター



Core  
スイッチ



AC (Cloud管理可)



PoE



PoE



FIT-AP

FIT-AP

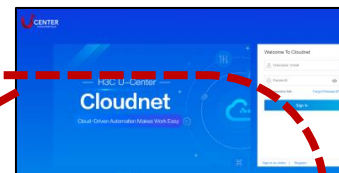
FIT-AP

FIT-AP

FIT-AP

## Cloudモード

Internet



CloudモードはCloudnetによりクラウドで管理される使い方とクラウドに接続しない自律的な使い方があります。

Coreスイッチ



PoE



Cloud



Cloud



## Anchor-acモード

Anchor-ACは簡易的なACの機能を持ち複数のFIT-APを管理することができます。Anchor-ACは複数台設定すると1台がmasterとなり、他のAPはバックアップとしてmasterが正常なうちはAnchor-APとして働き、masterに障害が発生するとAnchor-ACとなります。

Anchor-ac (Cloud管理不可)



PoE



FIT-AP1



FIT-AP2



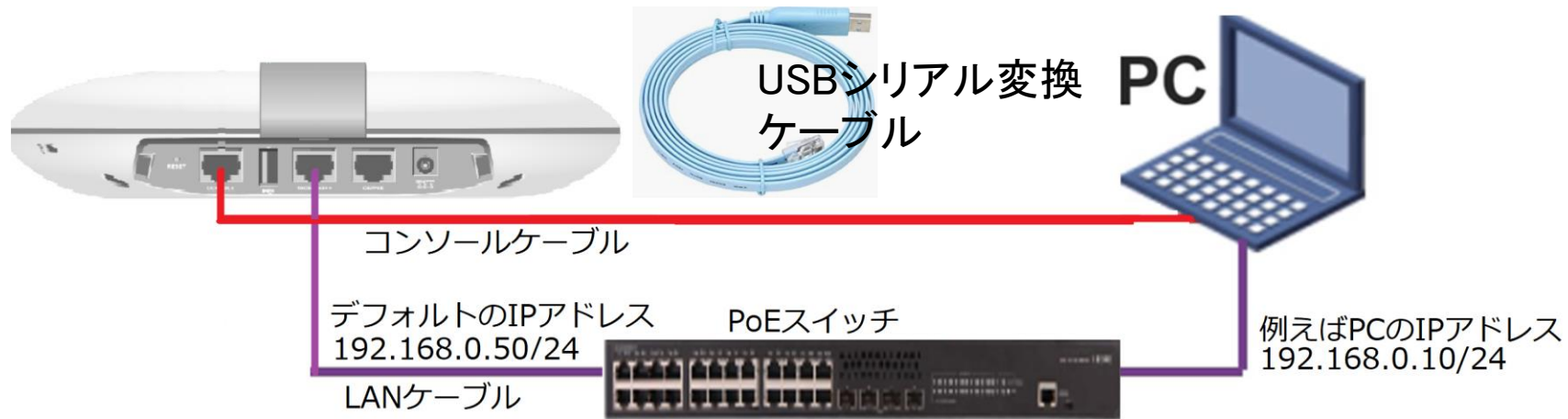
FIT-AP3  
(Anchor-ap)



※Anchor-acのバックアップ設定のFIT-APをAnchor-apという)

## 動作モード変更はコマンドで行います

- RS-232規格のコンソールケーブルを用意し、図のようにWA6638の左端のRJ-45のジャックに挿入します。使用するボーレートは次ページを参照ください。
- WA6638はDC電源またはPoEスイッチで稼働しますので、PoEスイッチを用意して頂き、PoEスイッチを介してPCのLANポートに接続します。WA6638の真ん中のRJ-45ポートは100M/1G/10Gの自動認識になります。





# アクセスポイントの動作モードのコマンドによる変更

手順： 現在の動作モードの確認 -> 動作モードの変更 -> 変更されたかどうかの確認

# 現在のモードを確認(工場出荷状態ではFITモード)

<H3C> **display wlan device role**

Current running mode: Anchor-ac.

# system-viewにてap-modeコマンドでfitモードに変更

<H3C> **system-view**

System View: return to User View with Ctrl+Z.

[H3C] **ap-mode fit**

Changing working mode will reboot system. Continue? [Y/N]:y

注：APモードには以下の3つのモード  
が選択できます。

**ap-mode { anchor-ac | cloud | fit }**

#モード変更のためにAPは自動的にrebootします。

System is starting...

Press Ctrl+D to access BASIC-BOOTWARE MENU...

Booting Normal Extended BootWare

リブート中メッセージ省略

Image file flash:/wa6600-boot.bin is self-decompressing.....

.....Done.

System image is starting...

Line con0 is available.

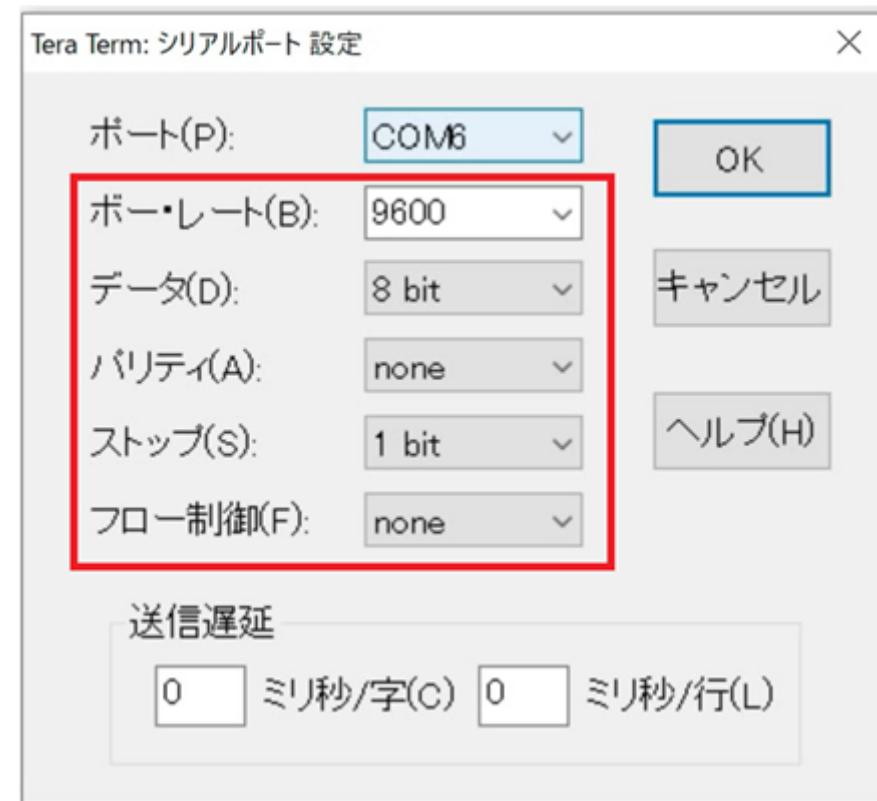
Press ENTER to get started.

# 起動後Cloudモードになったことを確認します。

<H3C> **display wlan device role**

Current running mode: FIT AP.

<H3C> **save force**



コンソール接続の通信設定は、9600ボー、データ8ビット、パリティなし、ストップビット1、フロー制御なし

# アクセスポイントの動作モードのBootWareメニューによる変更

## 1. APをリブートします。出力例を次に示します。

```
System is starting...
Press Ctrl+D to access BASIC-BOOTWARE MENU... Booting Normal
Extended BootWare
The Extended BootWare is self-decompressingDone.
```

```
*****
```

```
*
```

```
*
```

```
*H3C WA6638 BootWare, Version 7.12
```

```
*
```

```
*
```

```
*
```

```
*****
```

```
Copyright (c) 2004-2021 New H3C Technologies Co., Ltd.
```

```
Compiled Date: Jan 28 2021
```

```
CPU L1 Cache: 32KB
```

```
CPU L2 Cache: 256KB
```

```
CPU Clock Speed: 2200MHz Memory Type: DDR3 SDRAM
```

```
Memory Size: 1024MB
```

```
Memory Speed: 933MHz
```

```
Flash Size: 256MB
```

```
PCB Version: Ver.A BootWare Validating...
```

```
Press Ctrl+B to access EXTENDED-BOOTWARE MENU...
```

## 2. プロンプトでCtrl+Bを押して、EXTENDED-BOOTWAREメニューを入力します。

```
Password recovery capability is enabled. Note: The current operating device is
flash
```

```
Enter < Storage Device Operation > to select device.
```

```
=====<EXTENDED-BOOTWARE MENU>=====
```

```
|<1> Boot System |
|<2> Enter Serial SubMenu |
|<3> Enter Ethernet SubMenu |
|<4> File Control |
|<5> Restore to Factory Default Configuration 工場出荷時の状態に戻す |
|<6> Skip Current System Configuration |
|<7> BootWare Operation Menu |
|<8> Skip Authentication for Console Login |
|<9> Storage Device Operation |
|<0> Reboot |
```

```
=====
Ctrl+Z: Access EXTENDED ASSISTANT MENU
```

```
Ctrl+F: Format File System
```

```
Ctrl+C: Display Copyright
```

```
Ctrl+Y: Change AP Mode
```

```
Enter your choice(0-9):
```

## 3. Ctrl+Yキーを押してAPモードを変換します。

```
Please select the new mode Current mode is Fit
```

```
=====
|NO.      | Mode |
|1        | Fit Mode |
|2        | Anchor-AC (Virtual AC mode) |
|3        | Cloud Mode |
|0        | Exit |
```

```
=====
```

```
Enter your choice(0-3): 2
```

## 4. モード番号を入力します。



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## 想定ネットワーク構成(以下は設定例で設定の参考にしてください)

この資料はACの操作をGUIで行うためのものです。

ACの管理はVLAN1を使い、VLAN1にIPアドレス192.168.0.254を管理用IPアドレスと想定しております。

このセグメントにFIT APのIPアドレスが揃うように、ACをDHCPサーバー(最大49AP)として設定します。

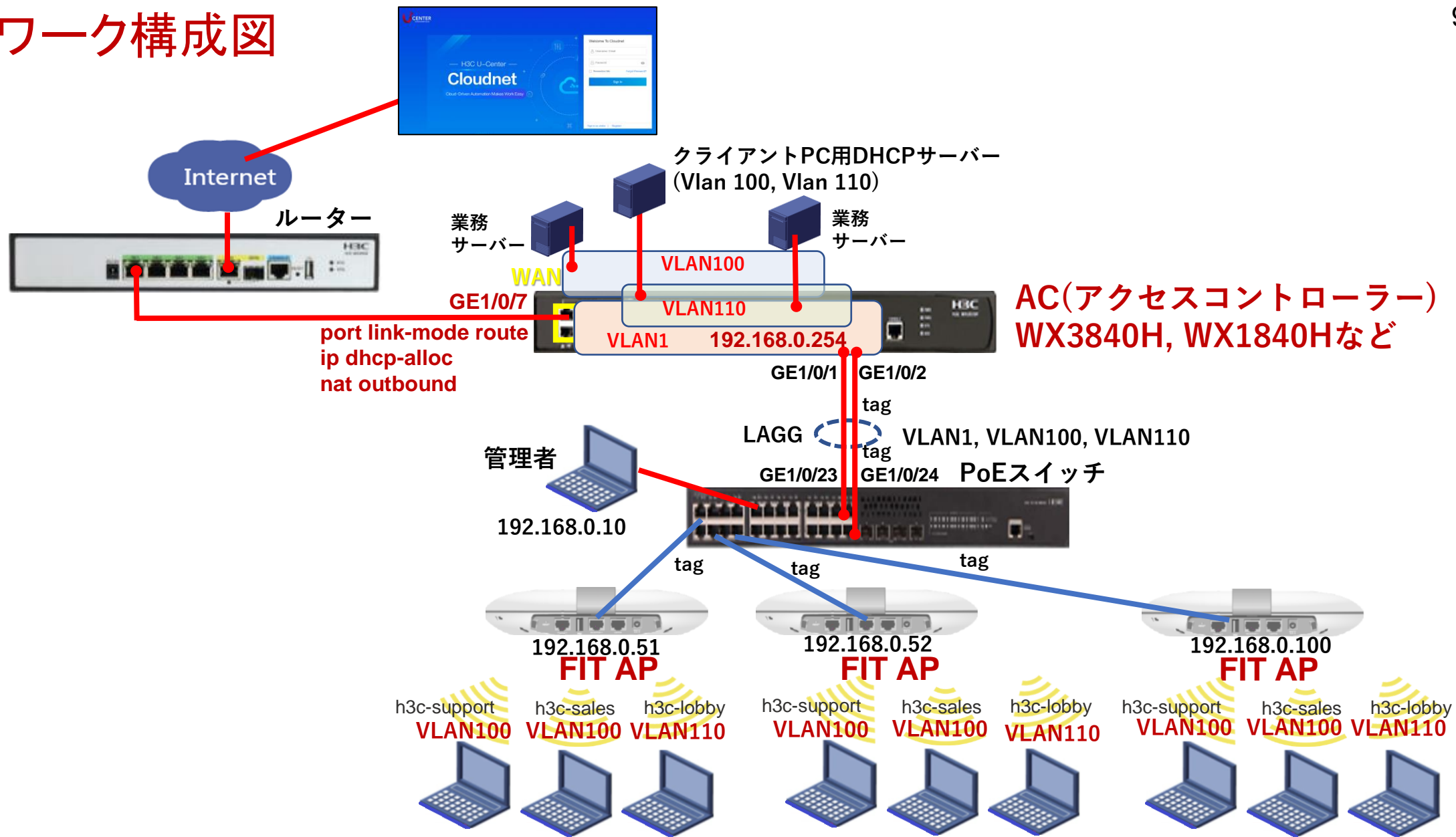
このようにFIT APに何も設定せず、工場出荷時の状態でネットワークに接続するだけでACの管理下に入る使い方を**ゼロタッチ設置**と呼びます。また、APが故障した時の交換も同様に**ゼロタッチ交換**、AP全体のバージョンアップはACからの**セントラルバージョンアップ**方式となります。

送出する電波とSSID、パスワード、VLAN、hiddenモードなどは以下の通りとします。

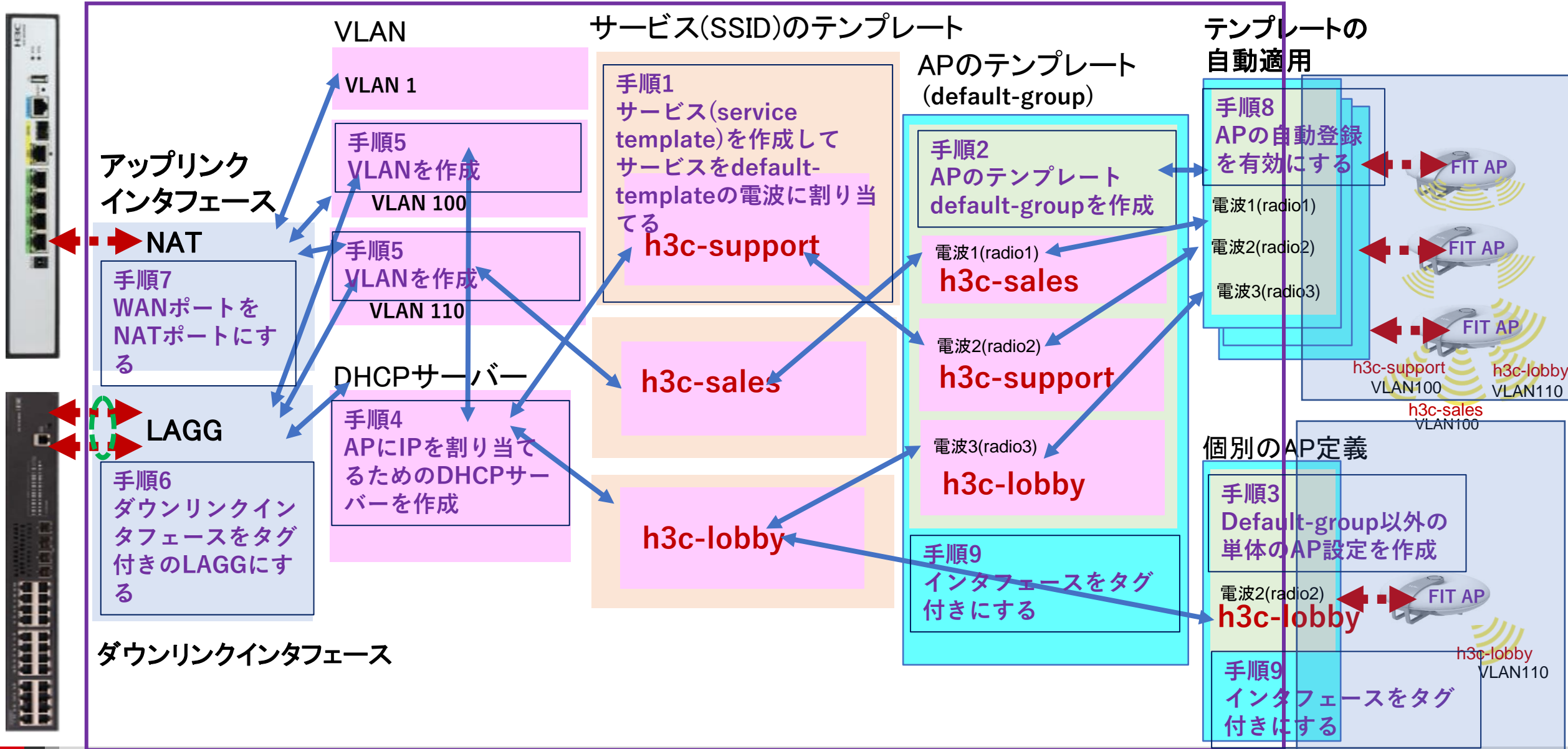
SSID	Password	VLAN	Hidden	Radio
h3c-support	@helpdesk99	100	yes	radio1 5GHz
h3c-sales	@bigsale	100	yes	Radio2 5GHz
h3c-lobby	thankyou	110	no	Raido3 2.4GHz



# ネットワーク構成図



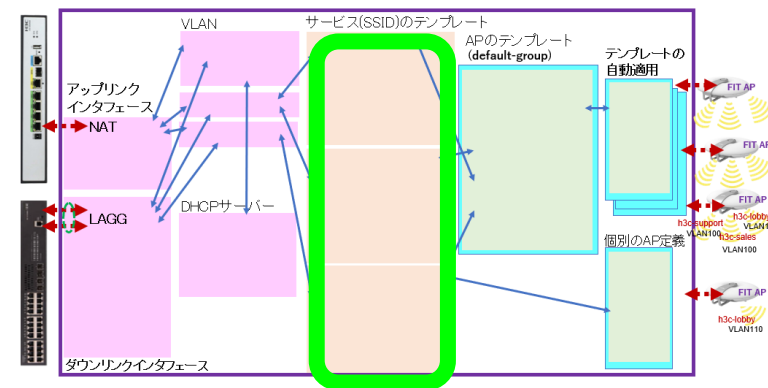
# GUIでの設定手順例



# GUIでの設定手順例

## 手順1：サービス(service-template)を作成する（SSID）

- ・ サービス名
- ・ SSIDの文字列
- ・ サービスを有効にする(service-template enable)
- ・ デフォルトVLAN番号
- ・ SSIDのhidden mode設定(ON/OFF)
- ・ forwarding type(AC経由もしくはローカル)
- ・ 認証タイプ(Open, PSK, 802.1x, MAC, Portal)
- ・ 認証場所(AC, AP)
- ・ セキュリティモード(WPA, WPA2, WPA3(現在はコマンドからのみ))
- ・ 管理フレーム保護(ON/OFF)
- ・ PSK文字列の入力
- ・ SSIDを送出する電波の選択(radio1 5G, radio2 5G, radio3 2.4G)
- ・ サービス(service-template)の有効/無効



## GUIでの設定手順例

**手順2：APのテンプレート(default-group)を作成する**  
ACに接続するAPのタイプ(WA6638-JP, WA6630X-JP, WA6320-JP, WA538-JP)が複数ある場合はそれぞれに関して作成する

例えば：

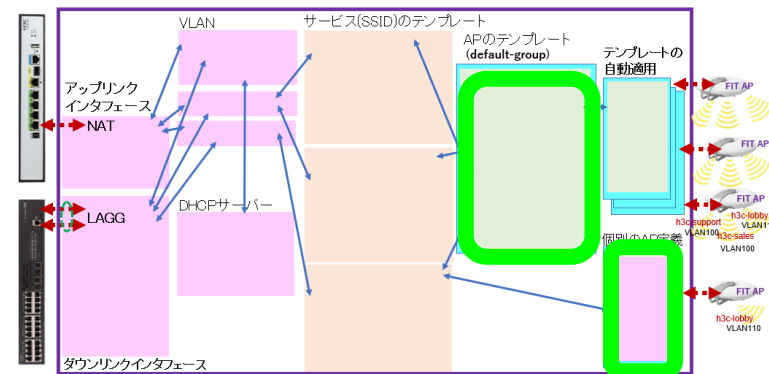
WA6638-JPではradio1(5GHz),radio2(5GHz),radio3(2.4GHz)  
をEnableにします

Radio1: 送信するSSIDはsalesでクライアントが接続するvlanは100

Radio2: 送信するSSIDはsupportでクライアントが接続するvlanは110

Radio3: 送信するSSIDはlobbyでクライアントが接続するvlanは110

**手順3(オプション)：デフォルトグループ以外の設定を持つ単独APの登録**  
無線毎(Radio 1, Radio 2, Radio 3)に送出するSSIDを設定したり、無線ごとに送信レートを限定したりする場合、個別に設定する必要があります。



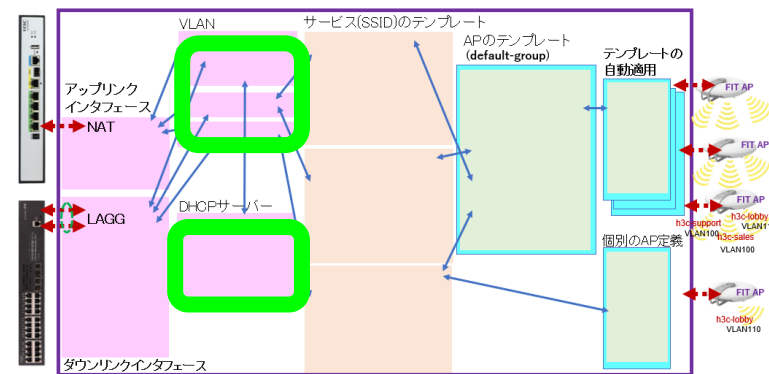
## GUIでの設定手順例(続き)

### 手順4：ACをAPのためのDHCPサーバーとする

- IPプール名： For AP Management
- gateway-list 192.168.0.254
- network 192.168.0.0 mask 255.255.255.0
- address range 192.168.0.51 192.168.0.100

### 手順5：VLANを作成する

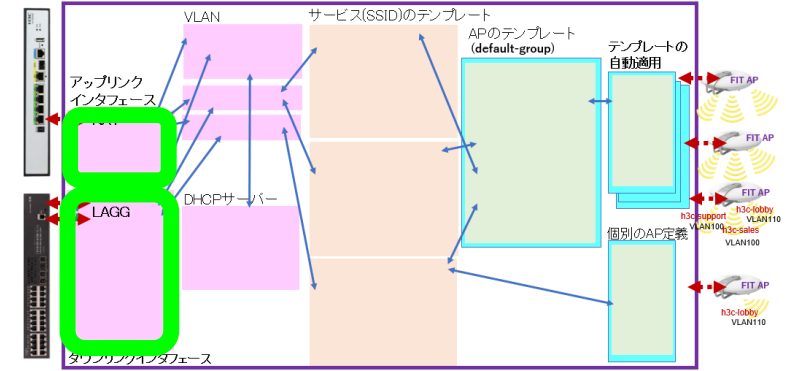
- VLAN番号を設定(vlan 100, vlan 110)
- 必要ならばIPアドレスを設定する





# GUIでの設定手順例(続き)

- 手順6: ダウンリンクのポートにLAGGの設定をする
- 手順7: アップリンクのポートにリンクモードをroute、IPアドレスはDHCP-alloc、nat設定をする



# GUIでの設定手順例(続き)

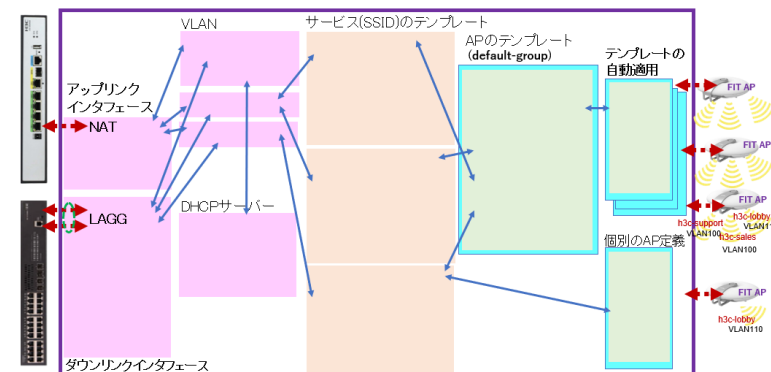
## 手順8：APの設定

APの設定をAPのデフォルトテンプレートの設定を継承して行う場合、ネットワークにFIT APが接続されると自動的に登録されるモードにする

- **wlan auto-ap enable**
- **wlan auto-persistent enable**

手順9 (オプション) :default-group、個別のAPのインタフェースをタグ付きにする

手順10:今までの設定を保存(save)

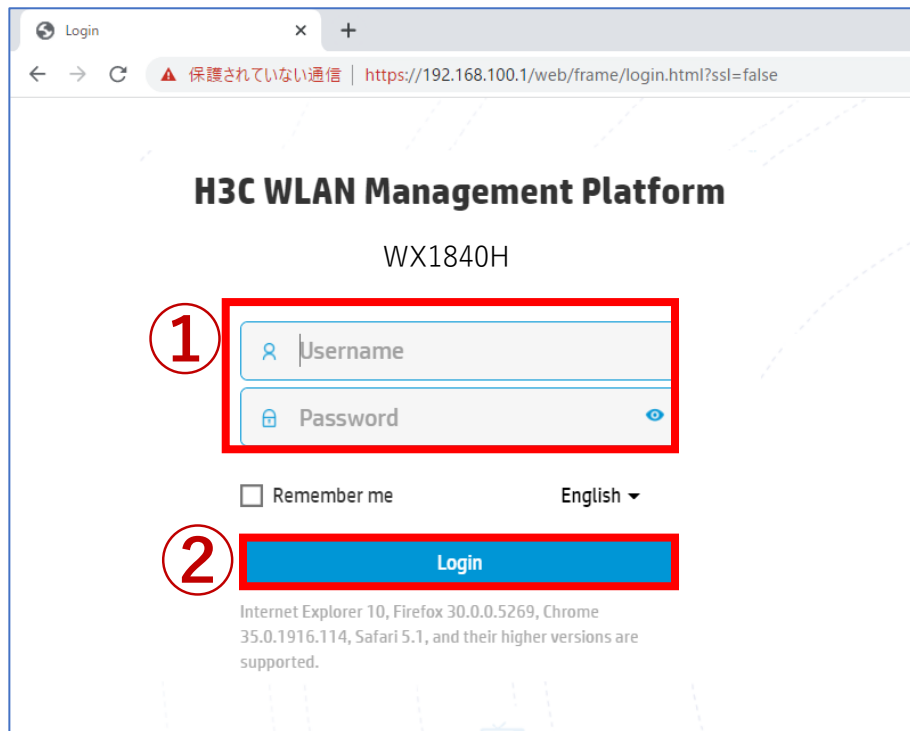


# ACのGUIにログインする方法

PCのブラウザを起動し以下のURLを入力します。

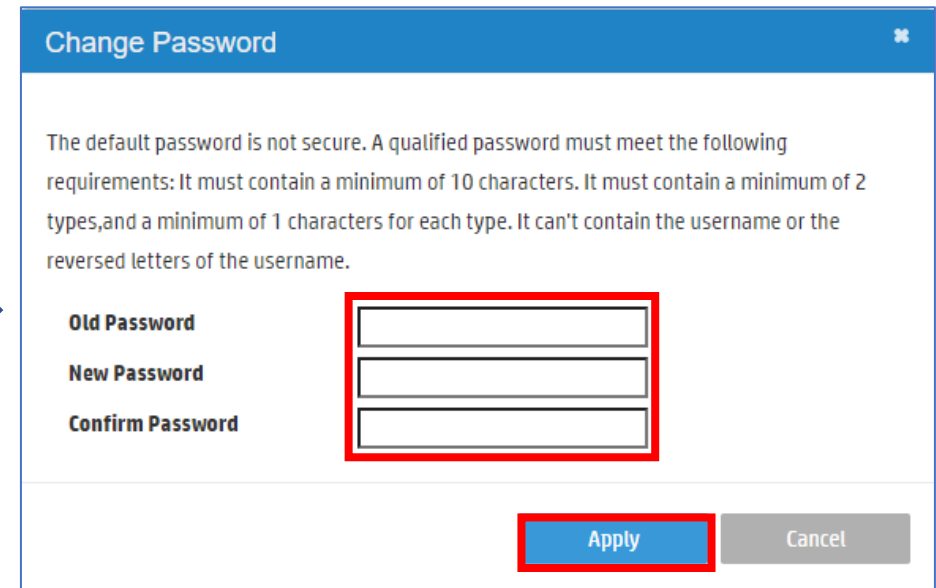
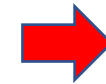
<http://192.168.0.254/>

デフォルトのユーザー名: admin、パスワード: admin



1

2



Change Password

The default password is not secure. A qualified password must meet the following requirements: It must contain a minimum of 10 characters. It must contain a minimum of 2 types, and a minimum of 1 characters for each type. It can't contain the username or the reversed letters of the username.

Old Password

New Password

Confirm Password

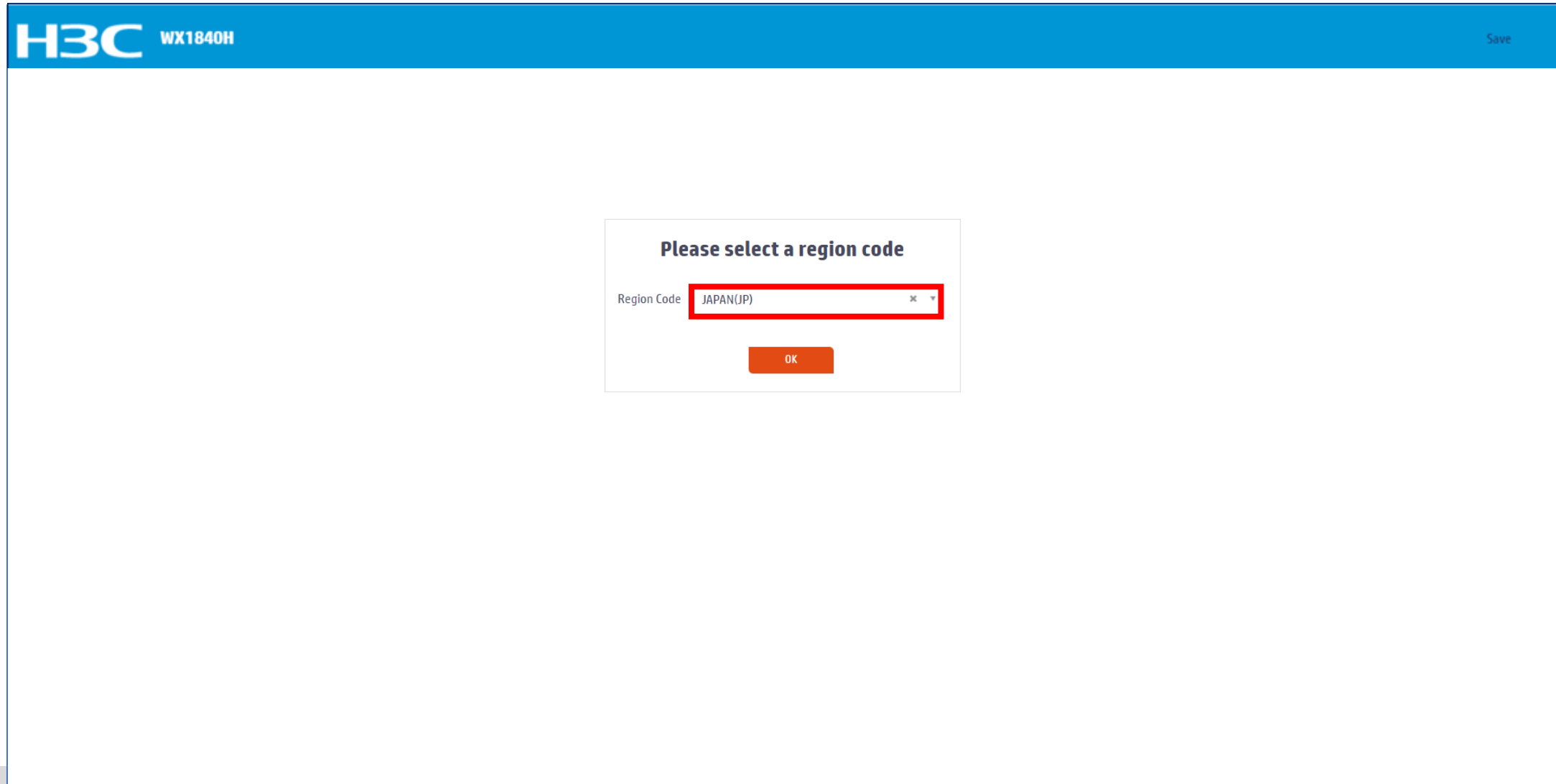
Apply Cancel

パスワードは10文字以上で、英数字記号などの2種類を含み、登録されているユーザー、adminなどの文字を含まないこと。

# ACのGUIにログインする方法

初めてログインした際は、region-codeを設定する必要があります。

※region-codeにより送信する電波の国別の制約に従います。日本はJAPAN(JP)です。



The screenshot shows the H3C WX1840H GUI interface. At the top left, the H3C logo and model number 'WX1840H' are displayed. At the top right, there is a 'Save' button. The main content area is mostly blank, with a central dialog box titled 'Please select a region code'. Inside this dialog, there is a label 'Region Code' followed by a dropdown menu containing the text 'JAPAN(JP)'. The dropdown menu has a small 'x' icon on the right side. Below the dropdown menu is an orange 'OK' button.

# ログインするとDashboardが表示されます

The screenshot displays the H3C WX1840H dashboard. The top navigation bar includes the H3C logo, the model number WX1840H, and a 'Save' button. The left sidebar menu is highlighted with a red box and contains the following items: Actions, Dashboard, Quick Start, Monitoring, Wireless Configuration, Network Security, System, Tools, and Reporting. A red arrow points from the 'Dashboard' menu item to the main content area. The main content area features a 'System Logs' section with a summary bar showing 0 Emergency, 5 Critical, and 8 Warning events. Below this are four widgets: 'APs' (with a pie chart showing 1 Online, 0 Offline, and 0 Unhealthy), 'System usage' (with gauges for 0% CPU and 68% Memory), 'Wireless services' (with a bar chart for SSID and client numbers), and 'Clients' (with a gauge showing N/A). At the bottom, there is a 'System View' and 'Network View' toggle, with 'Network View' selected and highlighted by a red box. A red arrow points from the 'Network View' button to the 'Clients' widget. A large red text overlay reads 'ビューの切換え [System View | Network View]'. The bottom status bar shows 'Access Points' (1 green, 0 grey, 0 red), 'Clients' (0), and 'Event Logs' (1 red, 0 yellow, 5 orange, 8 blue, 12 grey).

メニュー

ビューの切換え [System View | Network View]



# GUIのメニュー一覽

## • Network view

Actions		
Dashboard		<b>Dashboard</b> <b>Quick Start</b> Add New AP Add New SSID Add New User
Quick Start >		<b>Monitoring</b> Wireless Network Clients Wireless Security Client Proximity Sensor Application Monitoring
Monitoring >		<b>Wireless Configuration</b> Wireless Networks AP Management Wireless QoS
Wireless Configuration >		<b>Wireless Security</b> WIPS Allowlist and denylist
Network Security >		<b>Radio Management</b> 802.11n/802.11ax settings ,transmission distance
System >		<b>Applications</b> Mesh, Multicast
Tools >		<b>Network Security</b> Packet Filter <b>Traffic Policy</b> Qos Policies, Priority Mapping <b>Access Control</b> 802.1x <b>Authentication</b> RADIUS User Management <b>Access Control</b> MAC Authentication Port Security Portal
Reporting >		<b>System</b> <b>Resource</b> ACL, Time Range Cloud Platform <b>Tools</b> Debug <b>Reporting</b> Client Statistics Wireless Service Statistics

System View

Network View

# GUIのメニュー一覽

## • System view

Actions
Dashboard
Network Configuration >
Network Security >
System >
Tools >

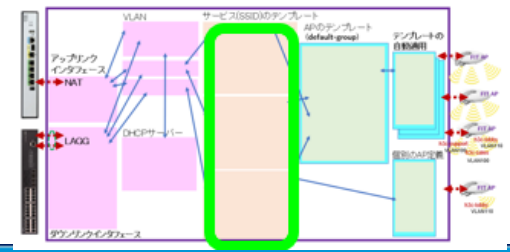
**Dashboard**  
**Network Configuration**  
Network Interfaces  
VLAN  
**Network Routing**  
Routing table  
Static Routing  
**Network Services**  
IP services  
DHCP/DNS  
Multicast  
ARP  
ND(Neighbor Discovery)  
NAT  
**Network Security**  
Packet Filter  
Traffic Policy  
**Access Control**  
802.1x  
**Authentication**  
RADIUS  
**User Management**  
Local users

**System**  
Event Logs  
**Resource**  
ACL  
Administrators  
**Management**  
Configuration save, import  
Upgrade  
Reboot  
**Tools**  
Debug

System View

Network View

# SSID(h3c-support)を作成する



**H3C WX1840H** Save

Actions: All Networks > Quick Start > Add Services > Add Services

Dashboard

2 Quick Start

3 Add Services

4 Wireless service name: h3c-support (1-63 chars)

5 SSID: h3c-support (1-32 chars)

6 Wireless Service:  ON  OFF

7 Hide SSID:  Yes  No

8 Authentication mode:  Static PSK

9 Security mode:  WPA or WPA2

10 PSK key: Passphrase (8-63 alphanumeric chars)

11 Apply and Configure Advanced Settings

1 Network View

Access Points: 1 (green), 0 (grey), 0 (red)

Clients: 0

Event Logs: 0 (red), 5 (grey), 8 (yellow), 11 (blue)

# SSID(h3c-sales)を作成する

**H3C WX1840H** Save

Actions All Networks > Quick Start > Add Services > Add Services

Dashboard

Quick Start

Add AP

**1** Add Services

Add User

Monitoring >

Wireless Configuration >

Network Security >

System >

Tools >

Reporting >

**2** Wireless service name **h3c-sales** (-63 chars)

**3** SSID \* **h3c-sales** (-32 chars)

Description (1-64 chars)

**4** Wireless Service  ON  OFF

Default VLAN **100** (1-4094, 1 by default)

**5** Hide SSID  Yes  No

User Isolation  Yes  No

Forwarding type  Centralized  Local ※client forwarding-location ap

Authentication settings

Authentication mode  Open (no authentication) **6**  Static PSK  802.1X  802.1X (clear)  Static WEP  MAC Authentication  IPv4 Portal Authentication  IPv6 Portal Authentication

Authenticator  AC  AP

Security mode  WPA  WPA2  WPA or WPA2  WPA3-Personal  WPA3-Enterprise

Management Frame Protection  ON  OFF

PSK key \* **7**  (8-63 alphanumeric chars) **8**  Confirm password

**9** Apply and Configure Advanced Settings Apply

System View **Network View**

Access Points 1 0 0 0 Clients 0 Event Logs 1 0 5 8 11

# SSID(h3c-lobby)を作成する

**H3C WX1840H** Save

Actions: All Networks > Quick Start > Add Services > Add Services

Dashboard  
Quick Start  
Add AP  
**1 Add Services**  
Add User  
Monitoring  
Wireless Configuration  
Network Security  
System  
Tools  
Reporting

**Add Services**

**Basic settings**

Wireless service name **2**  (1-63 chars)

SSID \* **3**  (1-32 chars)

Description  (1-64 chars)

Wireless Service **4**  ON  OFF

Default VLAN  (1-4094, 1 by default)

Hide SSID **5**  Yes  No

User Isolation  Yes  No

Forwarding type  
 Centralized  
 Local **※client forwarding-location ap**

**9**

**Authentication settings**

Authentication mode **6**  Static PSK  
 802.1X  
 802.1X (clear)  
 Static WEP  
 MAC Authentication  
 IPv4 Portal Authentication  
 IPv6 Portal Authentication

Authenticator  AC  
 AP

Security mode  WPA  WPA2  WPA or WPA2  WPA3-Personal  WPA3-Enterprise

Management Frame Protection  ON  OFF

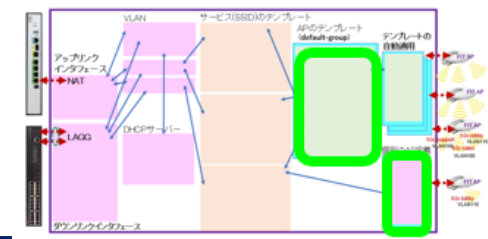
PSK key \* **7**  (8-63 alphanumeric chars)  
**8**  Confirm password

System View **Network View**

Access Points: 1 (green), 0 (grey), 0 (red), 0 (blue)  
Clients: 0  
Event Logs: 0 (red), 5 (grey), 8 (yellow), 11 (blue)



# APのデフォルトグループを設定します



①

②

H3C WX1840H Save

Actions All Networks > Wireless Configuration > AP Management > AP Groups

Dashboard AP **AP Groups** **③** AP Group Settings AP Provisioning AP Group Provisioning

Quick Start >

Monitoring >

**①** **Wireless Configuration** >

Wireless Networks

**②** **AP Management**

Wireless QoS

Wireless Security >

Radio Management

Client Proximity Sensor

Applications

Network Security >

System >

Tools >

Reporting >

Search

Name	Description	APs	Actions
default-group		2	<b>④</b> [Edit] [Delete] [More]

Total 1 entries, 1 matched, 0 selected. Page 1 / 1.

System View **Network View**

Access Points 0 2 0 0 Clients 0 0 Event Logs 0 1 6 2

# APのデフォルトグループを設定します

H3C WX1840H Save

Actions All Networks > Wireless Configuration > AP Management > AP Groups > Edit AP Group(default-group)

Dashboard

Quick Start >

Monitoring >

Wireless Configuration >

Wireless Networks

AP Management

Wireless QoS

Wireless Security >

Radio Management

Client Proximity Sensor

Applications

Network Security **4**

System >

Tools >

Reporting >

General AC Backup WLAN Service Map Files

Group name \* default-group (1-31 chars)

Description (1-64 chars)

Region code **1** JAPAN(JP) \* v

LED mode Normal \* v

AP model **2** WA6638-JP \* v

AP connection priority 4 (0-7, 4 by default)

CAPWAP tunnel keepalive Echo interval 10 seconds (0,5-255, 10 by default)

Request retransmission Interval 5 seconds (3-8, 5 by default)

Retransmission attempts 3 (2-5, 3 by default)

Statistics report interval 50 seconds (0-240, 50 by default)

CAPWAP tunnel encryption  Enable  Disable

Firmware upgrade  Enable  Disable  Inherit (Enabled)

AP model

AP Model	Radio	<b>3</b> Enable
WA6638-JP	5GHz(1)	<input checked="" type="checkbox"/>
WA6638-JP	5GHz(2)	<input checked="" type="checkbox"/>
WA6638-JP	2.4GHz(3)	<input checked="" type="checkbox"/>

Apply Cancel

System View Network View

Access Points 0 2 0 Clients 0 Event Logs 0 1 29 101

# デフォルトグループのradio 1(5GHz)を設定します

The screenshot displays the H3C WX1840H management interface. The breadcrumb path is: All Networks > Wireless Configuration > AP Management > AP Groups > Edit AP Group(default-group). The 'WLAN Service' tab is selected and highlighted with a red box and the number 1. The 'Add' button is highlighted with a red box and the number 2. The 'Add binding' modal window is open, showing the following configuration:

- AP Group Name: default-group
- AP Type: WA6638-JP
- Radio: 5GHz(1)
- Bind WLAN Service: H3c-sales (highlighted with a red box and the number 3)
- Bound VLAN: 100 (highlighted with a red box and the number 4)

The 'Apply' button in the modal window is highlighted with a red box and the number 4. The interface also shows a status bar at the bottom with 'Access Points' (0 green, 2 grey, 1 red), 'Clients' (0), and 'Event Logs' (1 red, 1 grey, 29 yellow, 1 blue).

# デフォルトグループのradio 2(5GHz)を設定します

The screenshot displays the H3C WX1840H management interface. The main menu on the left includes sections like Actions, Dashboard, Quick Start, Monitoring, Wireless Configuration, and AP Management. The current view is 'Edit AP Group(default-group)' under 'WLAN Service'. A dialog box titled 'Add binding' is open, showing the following configuration:

- AP Group Name: default-group
- AP Type: WA6638-JP
- Radio: 5GHz(2)
- Bind WLAN Service: H3c-support
- Bound VLAN: 110

Red circles and boxes highlight the 'Add' button (1), the 'H3c-support' selection (2), and the 'Apply' button (3). The bottom status bar shows 'Access Points' (0 green, 2 grey, 1 red) and 'Clients' (0).

# デフォルトグループのradio 3(2.4GHz)を設定します

The screenshot displays the H3C WX1840H management interface. The main navigation menu on the left includes sections like Dashboard, Quick Start, Monitoring, Wireless Configuration, AP Management, and Radio Management. The current page is 'Edit AP Group(default-group)'. A modal dialog titled 'Add binding' is open, showing configuration details for a new binding. The dialog fields are: AP Group Name (default-group), AP Type (WA6638-JP), Radio (2.4GHz(3)), Bind WLAN Service (H3c-lobby), and Bound VLAN (110). The 'Apply' button is highlighted with a red box, and the 'Add' button in the background is also highlighted with a red box. Red circles with numbers 1, 2, and 3 highlight the 'Add' button, the 'Bind WLAN Service' field, and the 'Apply' button respectively.

1

2

3

System View Network View

Access Points 0 2 1 0 Clients 0 Event Logs 0 1 29 101



# (オプション)デフォルトグループ以外の設定を持つ単独APの登録

## Quick Start > Add New AP

**H3C WX1840H** Save

Actions: All Networks > Quick Start > Add New AP > Add New AP

Dashboard: **Add New AP**

① Quick Start

② Add New AP

Add New SSID

Add New User

Monitoring >

Wireless Configuration >

Network Security >

System >

Tools >

Reporting >

**Name \*** ③ ROOM-101 (1-64 chars)

**Description** room number 101 (1-64 chars)

**Model \*** ④ WA6638-JP

**Serial ID** ⑤ 219801AZYF821BE000YX (1-63 chars)

**MAC address** HH-HH-HH-HH-HH-HH

**AP group name** default-group

**Region code** ⑥ JAPAN(JP)

AP connection priority 4(Inherit) (0-7, Inherit by default)

CAPWAP tunnel keepalive Echo interval 10(Inherit) seconds (0,5-255, Inherit by default)

Request retransmission Retransmission interval 5(Inherit) seconds (3-8, Inherit by default)

Retransmission attempts 3(Inherit) (2-5, Inherit by default)

Statistics report interval 50(Inherit) seconds (0-240, Inherit by default)

CAPWAP tunnel encryption  ON  OFF  Inherit (OFF)

Software upgrade  ON  OFF  Inherit (ON)

5GHz radio(1)  OFF  OFF  Inherit (OFF)

5GHz radio(2)  OFF  OFF  Inherit(OFF)

2.4GHz radio(3)  OFF  OFF  Inherit(OFF)

⑦ Apply and Configure Advanced Settings Apply

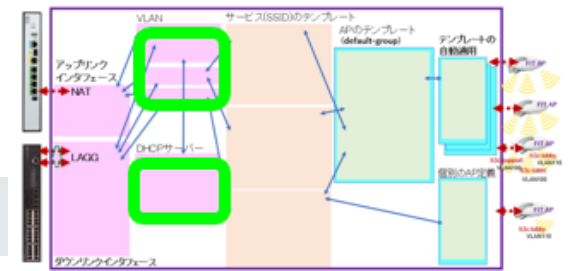
System View Network View

Access Points: 0% 100% 0% 0  
Clients: 0  
Event Logs: 0 3 10 34

# (オプション) radio 3(2.4GHz)を設定します

The screenshot displays the H3C WX1840H management interface. The main navigation menu on the left includes sections like Dashboard, Quick Start, Monitoring, Wireless Configuration, AP Management, and Radio Management. The current view is 'Edit AP Group(default-group)'. A modal dialog titled 'Add binding' is open, showing configuration details for a new binding. The dialog fields are: AP Group Name (default-group), AP Type (WA6638-JP), Radio (2.4GHz(3)), Bind WLAN Service (H3c-lobby), and Bound VLAN (110). The 'Apply' button at the bottom of the dialog is highlighted with a red box and a circled '3'. The 'Add' button in the background is highlighted with a red box and a circled '1'. The 'Bind WLAN Service' dropdown menu is highlighted with a red box and a circled '2'. The status bar at the bottom right shows 'Access Points' (0 green, 2 blue, 1 red), 'Clients' (0), and 'Event Logs' (1 red, 0 blue, 29 yellow, 101 blue).

# ACを他のAPのDHCPサーバーとして設定する 画面中央の真下でSystem Viewを選択



The screenshot shows the H3C WX1840H web management interface. The breadcrumb navigation is 'System > Network Configuration > Network Services > DHCP/DNS > DHCP'. The left sidebar contains the following menu items: Dashboard, Network Configuration (circled 2), Network Interfaces, VLAN, Network Routing, Network Services (circled 3), IP Services, DHCP/DNS (circled 4), Multicast, ARP, ND, Management Protocols, Network Security, and System. The main content area is titled 'DHCP' and includes the text 'The Dynamic Host Configuration Protocol(DHCP) provides a framework to assign configuration information to network devices.' Below this text is an 'Enable DHCP' button (circled 5). At the bottom of the interface, there are two tabs: 'System View' (circled 1) and 'Network View'. The bottom right corner displays status information: 'Access Points' (1 green, 0 grey, 0 red), 'Clients' (0), and 'Event Logs' (1 red, 0 grey, 6 yellow, 6 blue, 5 white).

# ACを他のAPのDHCPサーバーとして設定する(続き)

H3C WX1840H Save

System > Network Configuration > Network Services > DHCP/DNS > DHCP

Actions

Dashboard

Network Configuration

Network Interfaces

VLAN

Network Routing

Network Services

IP Services

**DHCP/DNS**

Multicast

ARP

ND

Management Protocols

Network Security

System

DHCP

The Dynamic Host Configuration Protocol(DHCP) provides a framework to assign configuration information to network devices.

Service **Address pool** Relay agent

Add Address Pool

Assigned Address DHCP Options IP In Use

Apply

System View Network View

Access Points Clients Event Logs

1 0 0 0 0 0 7 7 5

# ACを他のAPのDHCPサーバーとして設定する(続き)

The screenshot displays the H3C WX1840H web management interface for DHCP configuration. The breadcrumb trail is System > Network Configuration > Network Services > DHCP/DNS > DHCP. The main content area shows the DHCP configuration page with tabs for Service, Address pool, and Relay agent. A modal dialog titled "New DHCP Server Address Pool" is open, featuring a text input field for "Address pool name" containing "For AP Management" and an "Apply" button. Red annotations highlight the input field (1) and the "Apply" button (2). The bottom status bar shows "System View" selected and various system metrics.

System > Network Configuration > Network Services > DHCP/DNS > DHCP

Save

Service Address pool Relay agent

DHCP

The Dynamic Host Configuration Protocol(DHCP) provides a framework to assign configuration information to network devices.

Add Address Pool

Assigned Address DHCP Options IP In Use

Apply

New DHCP Server Address Pool

Address pool name \* 1 For AP Management (1-63 chars)

2 Apply Cancel

System View Network View

Access Points Clients Event Logs

1 0 0 0 0 0 7 7 5

# ACを他のAPのDHCPサーバーとして設定する(続き)

H3C WX1840H Save

System > Network Configuration > Network Services > DHCP/DNS > DHCP

**DHCP** Service Address pool Relay agent [Power] [Refresh] [Help]

The Dynamic Host Configuration Protocol(DHCP) provides a framework to assign configuration information to network devices.

For AP Management

Assigned Address DHCP Options IP In Use

Dynamic assignment !

IPv4 address Range

192.168.0.0 / 255.255.255.0 (Network address/mask) !

192.168.0.51 - 192.168.0.100

IP Address	Mask	Type	Hardware Address/Client ID
X.X.X.X		Ethernet	<input type="text"/>

Mask length must be in the range of 1 to 30.  
Hardware Address should be a string of 4-39 characters.

2

System View Network View

Access Points: 1 (green), 0 (blue), 0 (red), 0 (yellow)  
Clients: 0  
Event Logs: 0 (red), 7 (yellow), 7 (blue), 5 (green)

# ACを他のAPのDHCPサーバーとして設定する(続き)

## VLAN1のDefault gatewayを設定

H3C WX1840H Save

System > Network Configuration > Network Services > DHCP/DNS > DHCP

Assigned Address DHCP Options IP In Use

Lease duration  Unlimited  
 1 days 0 hours 0 minutes 0 seconds

Client domain name  (1-50 chars)

Gateways

DNS servers

WINS servers

NetBIOS node type

Option Code	Type	Option Content
2 - 254	Hex	1 - 256 chars.

DHCP Option should be a number of 2-254, but 50-54, 56, 58, 59, 61 and 82.  
When the DHCP option type is Hex, the option content must be a hexadecimal string with a length of an even number in the range of 2 to 256.

Apply

System View Network View

Access Points 1 0 0 Clients 0 Event Logs 0 4 4 3



# ACのDHCPサーバーから払い出されているIPの確認

Monitoring > Access Pointsを選択します。

The screenshot shows the H3C WX1840H web interface for DHCP configuration. The breadcrumb path is System > Network Configuration > Network Services > DHCP/DNS > DHCP. The page title is DHCP, and it includes a description: "The Dynamic Host Configuration Protocol(DHCP) provides a framework to assign configuration information to network devices." There are buttons for Service, Address pool, Relay agent, and admin. A dropdown menu is set to "for ap admin" with a "Delete" button and an "Add Address Pool" button. Below this, there are labels "Assigned Address", "DHCP Options", and "IP In Use". A table lists DHCP entries with columns for IP Address, Hardware Address/Client ID, Expiration, and Actions. The table contains four entries with IP addresses 192.168.0.51 through 192.168.0.54. A search bar is present on the right. At the bottom, there are status indicators for Access Points (4 green, 0 grey, 1 red), Clients (0), and Event Logs (0 red, 4 yellow, 15 blue, 40 white). Navigation buttons for System View and Network View are at the bottom center.

System > Network Configuration > Network Services > DHCP/DNS > DHCP

Save

Actions

Dashboard

Network Configuration

Network Interfaces

VLAN

Network Routing

Network Services

IP Services

DHCP/DNS

Multicast

ARP

ND

Management Protocols

Network Security

for ap admin

Delete

Add Address Pool

Assigned Address

DHCP Options

IP In Use

Search

<input type="checkbox"/>	IP Address	Hardware Address/Client ID	Expiration	Actions
<input type="checkbox"/>	192.168.0.51	0100-ddb6-b187-a0	11/13/2021 04:11:46	
<input type="checkbox"/>	192.168.0.52	0100-ddb6-b18f-40	11/13/2021 04:13:14	
<input type="checkbox"/>	192.168.0.53	0100-ddb6-b17c-a0	11/13/2021 04:16:40	
<input type="checkbox"/>	192.168.0.54	0100-ddb6-b192-60	11/13/2021 04:40:40	

Total 4 entries, 4 matched, 0 selected. Page 1 / 1.

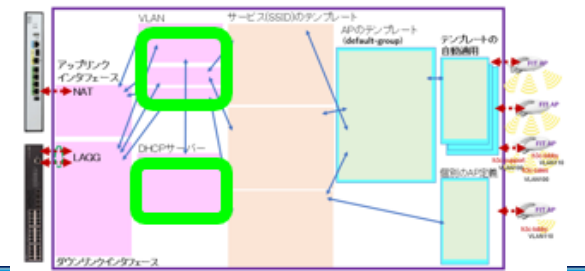
System View Network View

Access Points: 4 (green), 0 (grey), 1 (red)

Clients: 0

Event Logs: 0 (red), 4 (yellow), 15 (blue), 40 (white)

# VLAN100を作成する



H3C WX1840H

System > Network Configuration > VLAN > VLAN

Actions

Dashboard

1 Network Configuration

Network Interfaces

2 VLAN

Network Routing

Network Services >

Management Protocols

Network Security >

System >

Tools >

VLAN

3

VLAN	Untagged Port List	Tagged Port List	IP address of the VLAN interface	Description	Actions
1	↑ 2		192.168.0.50/255.255.255.0	VLAN 0001	✎

4

Create VLAN list

VLAN list \* 100 (2-4094, e.g. 3,5,10-100)

5 Apply Cancel

Total 3 entries, 1 matched. Page 1 / 1.

System View Network View

Access Points 1 0 0 0 Clients 0 Event Logs 1 0 7 9 21

# VLAN110を作成する

The screenshot shows the H3C WX1840H web management interface. The breadcrumb navigation is System > Network Configuration > VLAN > VLAN. The left sidebar shows the 'VLAN' menu item selected. The main content area displays a table of existing VLANs:

VLAN	Untagged Port List	Tagged Port List	IP address of the VLAN interface	Description	Actions
1	↑ 2		192.168.0.50/255.255.255.0	VLAN 0001	[Edit]
100	0			VLAN 0100	[Edit] [Delete]

A 'Create VLAN list' dialog box is overlaid on the table. It contains the following elements:

- A red circle '1' highlights the '+' icon in the top toolbar.
- A red circle '2' highlights the 'VLAN list' label and the input field containing '110'.
- A red circle '3' highlights the 'Apply' button.

The dialog box also includes a 'Cancel' button and a help icon. The bottom status bar shows 'System View' selected, 'Access Points' (1 green, 0 blue, 1 red), 'Clients' (0), and 'Event Logs' (0 red, 7 blue, 9 yellow, 1 blue, 21).

# VLAN100, VLAN110が完成

The screenshot shows the H3C WX1840H web management interface. The breadcrumb path is System > Network Configuration > VLAN > VLAN. The left sidebar contains navigation menus for Actions, Dashboard, Network Configuration, Network Interfaces, VLAN (selected), Network Routing, Network Services, Management Protocols, Network Security, System, and Tools. The main content area displays the VLAN configuration table.

VLAN	Untagged Port List	Tagged Port List	IP address of the VLAN interface	Description	Actions
1	↑ 2	0	192.168.0.50/255.255.255.0	VLAN 0001	✎
100	0	↑ 1	--	VLAN 0100	✎ 🗑
110	0	↑ 1	--	VLAN 0110	✎ 🗑

Total 7 entries, 3 matched. Page 1 / 1.

System View | Network View | Access Points: 1 (green), 0 (grey), 0 (red) | Clients: 0 | Event Logs: 0 (red), 5 (orange), 10 (yellow), 11 (blue)

# GE1/0/1ポートをtrunkポートに変更する

**H3C WX1840H** Save Roadmap admin

System > Network Configuration > Network Interfaces > Interfaces > Edit Interface

**1** Network Configuration

**2** Network Interfaces

**3** Trunk

**4** 1-4094

Interface: GigabitEthernet1/0/1 (GE1/0/1)  
Status: up  Shut down  
Description: GigabitEthernet1/0/1 Interface (1-255 chars)  
MAC address: 90-23-B4-55-40-A1 (HH-HH-HH-HH-HH-HH)  
VLAN: Link type: Trunk PVID: 1 Permit VLAN List: 1-4094 (1-4094, e.g. 3,5,10-100)  
Link speed: (Current: 1000000Kbps) Auto  
Duplex: (Current: Full) Auto  
Bandwidth: (Current: 1000000kbit/s)

System View Network View

Access Points: 0 2 1 0 Clients: 0 Event Logs: 1 0 2 6 9

# GE1/0/2ポート(PoEへのダウンリンクをLAGG)をtrunkポートに変更する 画面中央の真下でSystem Viewを選択

System View

Network View

H3C WX1840H

Save Roadmap admin

System > Network Configuration > Network Interfaces > Interfaces

Actions

Dashboard

Network Configuration

Mobility Domain

Roaming Center

Network Interfaces

VLAN

Network Routing

Network Services

Management Protocols

Network Security

System

Tools

Interfaces

Link Aggregation

PPPoE

Statistics

All interfaces Search

Interface	Status	IP Address	Speed(Kbps)	Duplex	Description	Actions
<input type="checkbox"/> GE1/0/1	Up	-- --	1000000	Full	GigabitEthernet1/0/1 Interface	<input type="checkbox"/>
<input type="checkbox"/> GE1/0/2	Up	-- --	1000000	Full	GigabitEthernet1/0/2 Interface	<input type="checkbox"/>
<input type="checkbox"/> GE1/0/3	Down	-- --	0	Auto	GigabitEthernet1/0/3 Interface	<input type="checkbox"/>
<input type="checkbox"/> GE1/0/4	Down	-- --	0	Auto	GigabitEthernet1/0/4 Interface	<input type="checkbox"/>
<input type="checkbox"/> GE1/0/5	Down	-- --	0	Auto	GigabitEthernet1/0/5 Interface	<input type="checkbox"/>
<input type="checkbox"/> GE1/0/6	Down	-- --	0	Auto	GigabitEthernet1/0/6 Interface	<input type="checkbox"/>
<input type="checkbox"/> GE1/0/7	Down	-- --	0	Auto	GigabitEthernet1/0/7 Interface	<input type="checkbox"/>

Total 11 entries, 11 matched, 0 selected. Page 1 / 1.

System View Network View

Access Points Clients Event Logs

0 2 1 0 0 0 6 11 10

# GE1/0/2ポートをtrunkポートに変更する

**H3C WX1840H** Save Roadmap admin

System > Network Configuration > Network Interfaces > Interfaces > Edit Interface

**1** Network Configuration

Interface: GigabitEthernet1/0/2 (GE1/0/2)  
Status: up  Shut down

Description: GigabitEthernet1/0/2 Interface (1-255 chars)

MAC address: 90-23-B4-55-40-A2 (HH-HH-HH-HH-HH-HH)

VLAN

**3** Link type: Trunk

PVID: 1

Permit VLAN List: **4** 1-4094 (1-4094, e.g. 3,5,10-100)

Link speed: (Current: 1000000Kbps)  
Auto

Duplex: (Current: Full)  
Auto

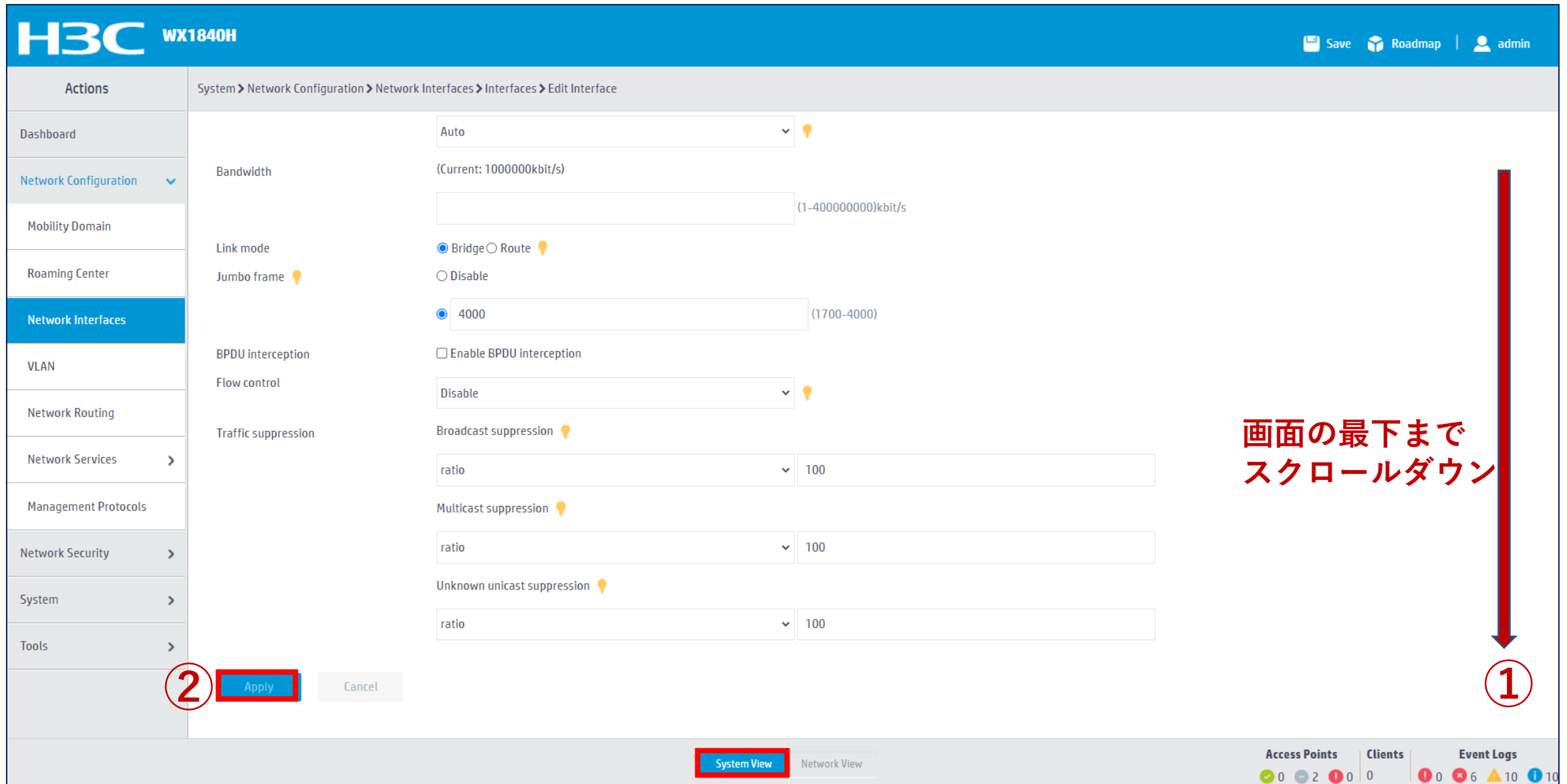
Bandwidth: (Current: 1000000kbit/s)

System View Network View

Access Points: 0 2 1 0  
Clients: 0  
Event Logs: 0 7 12 10



# GE1/0/2ポートをtrunkポートに変更する



**H3C WX1840H** Save Roadmap admin

System > Network Configuration > Network Interfaces > Interfaces > Edit Interface

Actions

Dashboard

Network Configuration

Mobility Domain

Roaming Center

Network Interfaces

VLAN

Network Routing

Network Services

Management Protocols

Network Security

System

Tools

Bandwidth: Auto (Current: 1000000kbit/s)

Link mode: Bridge (selected) / Route

Jumbo frame: Disable

Speed: 4000 (1700-4000)

BPDU interception:  Enable BPDU interception

Flow control: Disable

Traffic suppression: Broadcast suppression (ratio: 100), Multicast suppression (ratio: 100), Unknown unicast suppression (ratio: 100)

**2** Apply Cancel

System View Network View

Access Points: 0 2 1 0 Clients: 0 Event Logs: 0 6 10 10

画面の最下までスクロールダウン

**1**

# GE1/0/1, GE1/0/2をLAGGに設定する

H3C WX1840H Save

System > Network Configuration > Network Interfaces > Link Aggregation

Interfaces **Link Aggregation** ②

### Link Aggregation

① **Network Interfaces**

③ +

Aggregate Interface	Aggregation Mode	Member Ports	Actions
---------------------	------------------	--------------	---------

Total 0 entries, 0 matched. Page 1 / 1.

**System View** Network View

Access Points: 0% (0/100) 0% (0/0)  
Clients: 0  
Event Logs: 0 (0) 1 (1) 15 (15) 42 (42)

# GE1/0/1, GE1/0/2をLAGGに設定する

The screenshot displays the H3C WX1840H web management interface for configuring a new Link Aggregation Group. The breadcrumb path is System > Network Configuration > Network Interfaces > Link Aggregation > New Link Aggregation Group. The configuration fields are as follows:

- Aggregate interface type \***: Bridge aggregation
- Aggregate interface number \***: 1 (1-4)
- Aggregation mode \***: Static
- Member Ports**: GE1/0/1, GE1/0/1, GE1/0/2

Four red circles with numbers 1 through 4 highlight key elements: 1 points to the 'Network Interfaces' menu item in the left sidebar; 2 points to the 'Aggregate interface number' input field; 3 points to the 'Member Ports' list; and 4 points to the 'Apply' button. The bottom status bar shows 'Access Points' (0% green, 100% blue, 0% red), 'Clients' (0), and 'Event Logs' (0 red, 1 blue, 15 yellow, 42 blue).

# GE1/0/7をnatポートに設定する

The screenshot shows the H3C WX1840H web management interface. The breadcrumb navigation is System > Network Configuration > Network Services > NAT. The left sidebar contains a menu with 'Network Services' highlighted (marked with a red circle and '1') and 'NAT' selected (marked with a red circle and '2'). The main content area shows the NAT configuration page with tabs for Dynamic NAT, Static NAT, NAT Server, Dynamic NAT444, and Static NAT444. A '+ Add' button is highlighted (marked with a red circle and '3'). Below the button is a table with columns: Interface, Interface Description, ACL, Address Group..., Address Group..., VRF, Translation Mo..., Reversible, Port Preservat..., State, and Actions. The table is currently empty. At the bottom, there are status indicators for Access Points (0% green, 100% grey, 0% red), Clients (0), and Event Logs (0 red, 1 yellow, 8 blue, 37 grey).

System > Network Configuration > Network Services > NAT

Network Services

NAT

Dynamic NAT Static NAT NAT Server Dynamic NAT444 Static NAT444

Search

Interface	Interface Description	ACL	Address Group...	Address Group...	VRF	Translation Mo...	Reversible	Port Preservat...	State	Actions
-----------	-----------------------	-----	------------------	------------------	-----	-------------------	------------	-------------------	-------	---------

Total 0 entries, 0 matched, 0 selected. Page 1 / 1.

System View Network View

Access Points: 0% 100% 0% Clients: 0 Event Logs: 0 1 8 37

# GE1/0/7(ルーターへのアップリンク)をnatポートに設定する

The screenshot displays the H3C WX1840H web management interface for configuring a new dynamic NAT rule. The breadcrumb path is System > Network Configuration > Network Services > NAT > New Dynamic NAT Rule. The interface includes a left sidebar with navigation options: Network Routing, Network Services (selected), IP Services, DHCP/DNS, Multicast, ARP, ND, NAT (highlighted), Management Protocols, Network Security, System, and Tools. The main configuration area contains the following fields and options:

- Interface \***: GE1/0: GigabitEthernet1/0 Interface (highlighted with a red box and circled '1')
- ACL**: (empty dropdown menu)
- Address group**: Radio buttons for Address Group and Easy IP (Easy IP is selected and highlighted with a red box and circled '2')
- VRF**: Public network (dropdown menu)
- Translation mode**: Radio buttons for PAT (selected) and Easy IP
- Port preservation**: Try to preserve port number for PAT (checkbox, unchecked)
- Enable**: Enable this rule (checkbox, checked)
- Buttons**: Apply (highlighted with a red box and circled '3') and Cancel

At the bottom of the interface, there are tabs for System View and Network View. On the right side, there are status indicators for Access Points (0% green, 100% blue, 0% red), Clients (0), and Event Logs (0 red, 1 green, 12 yellow, 41 blue).

# GE1/0/7がnatポートに設定された

The screenshot displays the H3C WX1840H web management interface. The breadcrumb navigation path is System > Network Configuration > Network Services > NAT. The left sidebar shows the 'NAT' menu item selected. The main content area shows the NAT configuration page with tabs for Dynamic NAT, Static NAT, NAT Server, Dynamic NAT444, and Static NAT444. A table lists NAT entries, with the first entry highlighted in red:

<input type="checkbox"/>	Interface	Interface Description	ACL	Address Group...	Address Group...	VRF	Translation Mo...	Reversible	Port Preservat...	State	Actions
<input type="checkbox"/>	GE1/0/7	GigabitEthernet1/0 Interf...			EasyIP		PAT	No	No	Enabled	

At the bottom of the interface, there are status indicators for Access Points (0% green, 100% grey, 0% red), Clients (0), and Event Logs (0 red, 1 yellow, 12 orange, 41 blue).

# ネットワークにFIT APが接続されると自動的に設定を作成して固定するモード(wlan auto-ap enable, wlan auto-persistent enable設定)

The screenshot displays the H3C WX1840H management interface. The left sidebar contains a navigation menu with the following items: Actions, Dashboard, Quick Start, Monitoring, **Wireless Configuration** (circled 2), Wireless Networks, **AP Management** (circled 3), Wireless QoS, Wireless Security, Radio Management, Client Proximity Sensor, and Applications. The main content area shows the breadcrumb path: All Networks > Wireless Configuration > AP Management > AP Global Settings (circled 4). The 'Basic Settings' section includes: Region code (JAPAN(JP), circled 4), Region code lock (ON), Software upgrade (ON), Auto AP (OFF, circled 5, with a red arrow pointing to an ON toggle and the text '※wlan auto-ap enable設定'), and Auto AP conversion (OFF, circled 6, with a red arrow pointing to an ON toggle and the text '※wlan auto-persistent enable設定'). At the bottom, the 'Network View' tab is selected (circled 1). The bottom status bar shows: Access Points (100% green, 0% grey, 0% red), Clients (4), and Event Logs (0 red, 0 grey, 798 yellow, 226 blue).

② Wireless Configuration

③ AP Management

④ AP Global Settings

④ JAPAN(JP)

⑤ ※wlan auto-ap enable設定

⑥ ※wlan auto-persistent enable設定

① Network View

Access Points: 100% 0% 0% Clients: 4 Event Logs: 0 0 798 226

# Ap-groupのdefault-group(全てのAPのテンプレート)を設定します

## GUIで設定できるのはここまで

```
#
wlan ap-group default-group
  region-code JP
  vlan 1
  ap-model WA6638-JP
  radio 1
    radio enable
    service-template h3c-sales vlan
100
  radio 2
    radio enable
    service-template h3c-support
vlan 110
  radio 3
    radio enable
    service-template h3c-lobby vlan
110
gigabitethernet 1
Ten- gigabitethernet 1
#
```

## CLIでTen-gigabitethernet 1をtagポートに設定します

```
[H3C]wlan ap-group default-group
[H3C-wlan-ap-group-default-group]ap-model WA6638-JP
[H3C-wlan-ap-group-default-group-ap-model-WA6638-JP]Ten-gigabitethernet 1
[H3C-wlan-ap-group-default-group-ap-model-WA6638-JP-Ten-gigabitethernet-1]port
link-type trunk
For the configuration to take effect, specify a PVID for the port and configure the port to
allow traffic from the PVID.
[H3C-wlan-ap-group-default-group-ap-model-WA6638-JP-Ten-gigabitethernet-1]port
trunk permit vlan all
[H3C-wlan-ap-group-default-group-ap-model-WA6638-JP-Ten-gigabitethernet-1]port
trunk pvid vlan 1
[H3C-wlan-ap-group-default-group-ap-model-WA6638-JP-gigabitethernet-1]quit
[H3C-wlan-ap-group-default-group-ap-model-WA6638-JP]quit
[H3C-wlan-ap-group-default-group]quit
```

## CLIでの設定後

```
[H3C] display current-configuration
wlan ap-group default-group
  region-code JP
  vlan 1
  ap-model WA6638-JP
  radio 1
    radio enable
    service-template h3c-sales vlan 100
  radio 2
    radio enable
    service-template h3c-support vlan 110
  radio 3
    radio enable
    service-template h3c-lobby vlan 100
gigabitethernet 1
Ten-gigabitethernet 1
port link-type trunk
port trunk permit vlan all
port trunk pvid vlan 1
[H3C]
```



# 最後に今まで設定したコンフィグを保存(save)してログアウト

admin > Save そして Logout

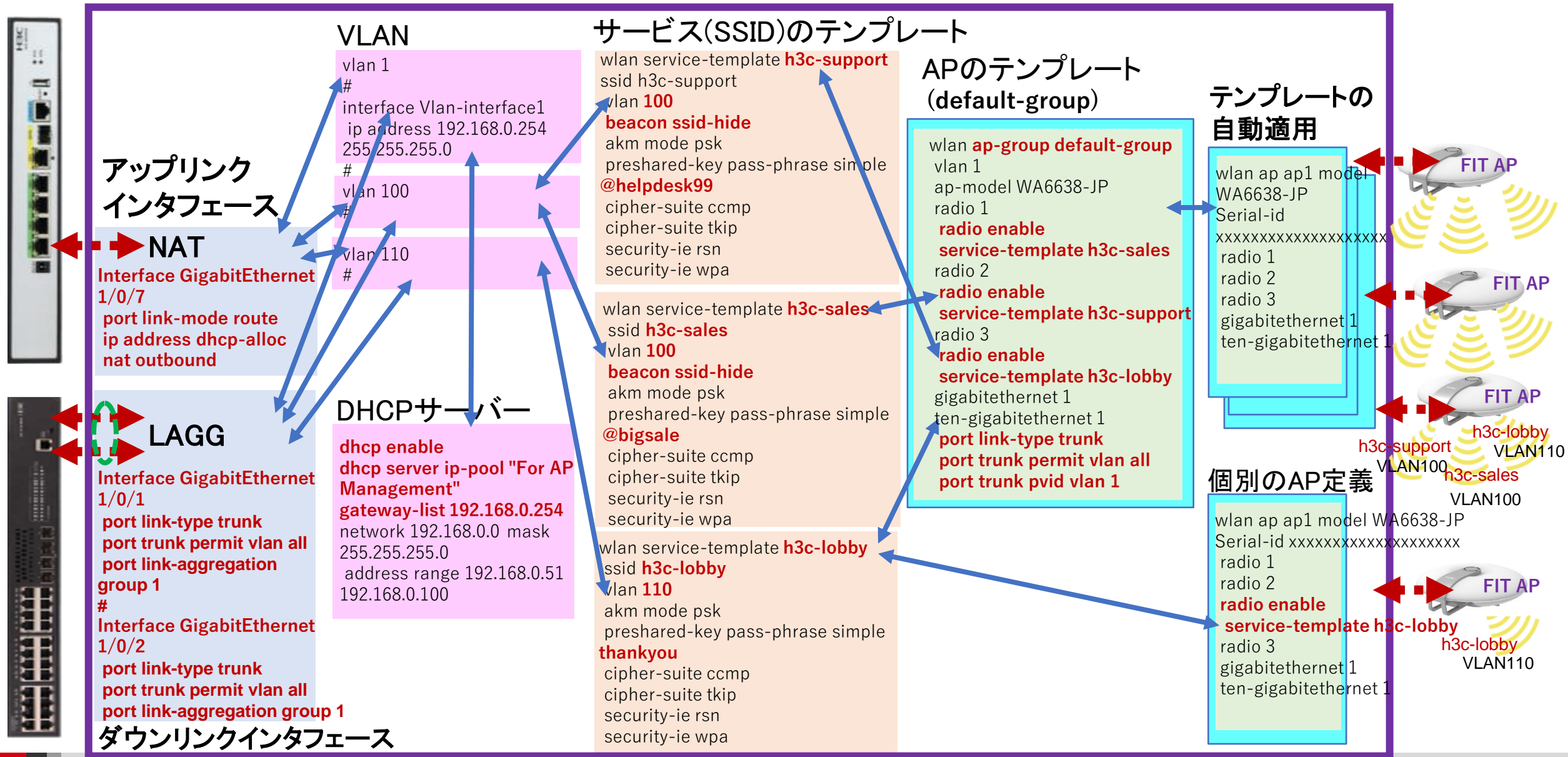
The screenshot displays the H3C WX1840H management interface. The interface is divided into several sections:

- Header:** H3C WX1840H logo and a 'Save' button (circled 2).
- Left Sidebar:** A navigation menu with 'Dashboard' highlighted (circled 1). Other items include Quick Start, Monitoring, Wireless Configuration, Network Security, System, Tools, and Reporting.
- System Logs:** A summary bar showing 0 Emergency, 5 Critical, and 8 Warning events.
- System usage:** Gauges for CPU (0%) and Memory (68%).
- Wireless services:** A bar chart showing client numbers for various SSIDs across 2.4GHz and 5GHz.
- Clients:** A gauge showing 0 clients.
- Right Panel:** A dropdown menu (circled 3) containing 'Save' (circled 3), 'Logout' (circled 4), 'Change Password', 'Roadmap', and 'Scan and Look Me'. Below the menu, system information is displayed: Serial ID: 219801A2KF8209E00068, Hardware: Ver.A, Boot ROM: 7.12, Software: 7.1.064, ESS 2442.
- Footer:** System View and Network View tabs, and a status bar showing 1 Access Point, 0 Clients, and 12 Event Logs.



- 01 アクセスポイントをFITに設定する
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- 05 マニュアルについて

# ACの設定の概要



# GUIで作成するコンフィグをコマンドで表示

C:\Users\H3C>**telnet 192.168.0.254**

\*\*\*\*\*

\* Copyright (c) 2004-2021 New H3C  
Technologies Co., Ltd. All rights reserved.  
\*Without the owner's prior written consent,  
\*no decompiling or reverse-engineering  
shall be allowed.

\*\*\*\*\*

login: **admin**

Password: **xxxxxxx**

<AC> **display current-configuration**

version 7.1.064, ESS 2442

sysname WX1840H

#

wlan global-configuration

**region-code JP**

#

telnet server enable

#

port-security enable

#

**dhcp enable**

#

lldp global enable

lldp hold-multiplier 8

password-recovery enable

#

vlan 1

#

vlan 100

#

vlan 110

#

**dhcp server ip-pool "For AP Management"**

**gateway-list 192.168.0.254**

**network 192.168.0.0 mask 255.255.255.0**

**address range 192.168.0.51 192.168.0.100**

#

**wlan service-template h3c-lobby**

ssid **h3c-lobby**

vlan **110**

**user-isolation enable**

akm mode psk

pre-shared-key pass-phrase simple **thankyou**

cipher-suite ccmp

cipher-suite tkip

security-ie rsn

security-ie wpa

service-template enable

**wlan service-template h3c-sales**

ssid **h3c-sales**

vlan **100**

**beacon ssid-hide**

**user-isolation enable**

akm mode psk

pre-shared-key pass-phrase simple **@bigsale**

cipher-suite ccmp

cipher-suite tkip

security-ie rsn

security-ie wpa

service-template enable

#

**wlan service-template h3c-support**

ssid **h3c-support**

vlan **100**

**beacon ssid-hide**

**user-isolation enable**

akm mode psk

pre-shared-key pass-phrase simple **@helpdesk99**

cipher-suite ccmp

cipher-suite tkip

security-ie rsn

security-ie wpa

service-template enable

## GUIで作成するコンフィグをコマンドで表示(続き)

```
interface NULL0
#
interface Vlan-interface1
ip address 192.168.0.254 255.255.255.0
#
interface Bridge-Aggregation 1
#
interface GigabitEthernet1/0/1
port link-type trunk
port trunk permit vlan all
port link-aggregation group 1
#
interface GigabitEthernet1/0/2
port link-type trunk
port trunk permit vlan all
port link-aggregation group 1
#
interface GigabitEthernet1/0/7
port link-mode route
ip address dhcp-alloc
nat outbound
#
interface WLAN-Radio1/0/1
途中省略
user-group system
#
```

```
local-user admin class manage
password simple h3cjapan
service-type telnet http https
authorization-attribute user-role network-admin
#
ip http enable
ip https enable
#
undo attack-defense tcp fragment enable
#
wlan auto-ap enable
wlan auto-persistent enable
#
wlan ap-group default-group
vlan 1
ap-model WA6638-JP
radio 1
radio enable
service-template h3c-sales vlan 100
radio 2
radio enable
service-template h3c-support vlan 100
radio 3
radio enable
service-template h3c-lobby vlan 110
```

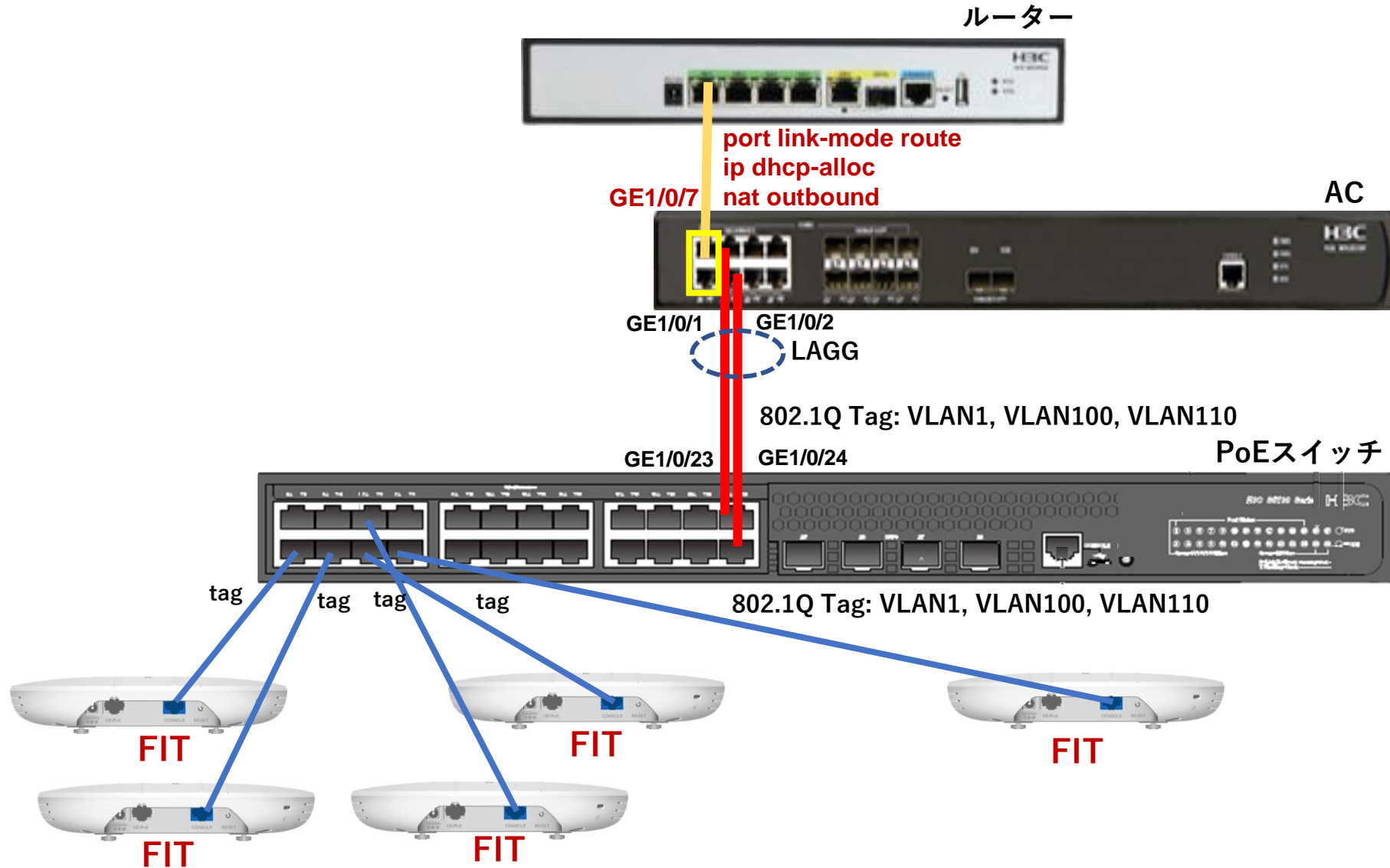
```
gigabitethernet 1
ten-gigabitethernet 1
port link-type trunk
port trunk permit vlan all
port trunk pvid vlan 1
#
wlan ap XXXX-XXXX-XXXX model WA6638-JP
serial-id XXXXXXXXXXXXXXXXXXXXXXX
vlan 1
radio 1
radio 2
radio 3
gigabitethernet 1
ten-gigabitethernet 1
#
wlan ap XXXX-XXXX-XXXX model WA6638-JP
serial-id XXXXXXXXXXXXXXXXXXXXXXX
vlan 1
radio 1
radio 2
radio 3
radio enable
service-template h3c-lobby vlan 110
gigabitethernet 1
ten-gigabitethernet 1
#
cloud-management server domain oasiscloud.h3c.com
```





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# PoEスイッチの設定



# PoEスイッチの設定

<H3C>**system-view**

System View: return to User View with Ctrl+Z.

[H3C]**vlan 100**

[H3C-vlan100]**port GigabitEthernet 1/0/1 to GigabitEthernet 1/0/8  
GigabitEthernet 1/0/23 GigabitEthernet 1/0/24**

[H3C-vlan100]quit

[H3C]**vlan 110**

[H3C-vlan110]**port GigabitEthernet 1/0/1 to GigabitEthernet 1/0/8  
GigabitEthernet 1/0/23 GigabitEthernet 1/0/24**

[H3C-vlan110]quit

[H3C]**interface GigabitEthernet 1/0/1**

[H3C-GigabitEthernet1/0/1]**port link-type trunk**

[H3C-GigabitEthernet1/0/1]**port trunk permit vlan all**

[H3C-GigabitEthernet1/0/1]**quit**

[H3C]interface GigabitEthernet 1/0/2

[H3C-GigabitEthernet1/0/2]port link-type trunk

[H3C-GigabitEthernet1/0/2]port trunk permit vlan all

[H3C-GigabitEthernet1/0/2]quit

[H3C]interface GigabitEthernet 1/0/3

[H3C-GigabitEthernet1/0/3]port link-type trunk

[H3C-GigabitEthernet1/0/3]port trunk permit vlan all

[H3C-GigabitEthernet1/0/3]quit

....

ポート4から8と23, 24まで同様

....

[H3C]**display vlan 100**

VLAN ID: 100

VLAN type: Static

Route interface: Not configured

Description: VLAN 0100

Name: VLAN 0100

Tagged ports:

GigabitEthernet1/0/1            GigabitEthernet1/0/2

GigabitEthernet1/0/3            GigabitEthernet1/0/4

GigabitEthernet1/0/5            GigabitEthernet1/0/6

GigabitEthernet1/0/7            GigabitEthernet1/0/8

GigabitEthernet1/0/23           GigabitEthernet1/0/24

Untagged ports: None

[H3C]**interface Bridge-Aggregation 1**

[H3C-Bridge-Aggregation1]quit

[H3C]interface GigabitEthernet 1/0/23

[H3C-GigabitEthernet1/0/23]**port link-aggregation group 1**

[H3C-GigabitEthernet1/0/23]quit

[H3C]interface GigabitEthernet 1/0/24

[H3C-GigabitEthernet1/0/24]**port link-aggregation group 1**

[H3C-GigabitEthernet1/0/24]quit

[H3C]**save force**

Validating file. Please wait...

Saved the current configuration to mainboard device successfully.

[H3C]





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# 日本語マニュアル、FAQなど

<https://knowledge-jp.h3c.com/TechDoc/index>

## 製品別検索

ルーター

スイッチ

WLAN

セキュリティ

(ファイアウォール)

クラウドコンピューティング

UIS(仮想化)

ネットワーク管理

(snmpベースiMC)

AD-NET ソリューション

サーバ

CloudNet

(Cloud管理)

Cloud Lab

(シュミレーター)

テクニカルサポート

Others

# 英文ニュアルのダウンロードサイト

https://www.h3c.com/jp/



http://www.h3c.com/en/Support/Resource\_Center/Technical\_Documents/

ログイン 国/地域 検索

H3C 製品・技術 ソリューション サポート 研修・認定 パートナー企業 会社概要

## サポート

すべて表示 >

### リソースセンター

ソフトウェアのダウンロード  
知識ベース

テクニカルドキュメント

### ポリシー













サービス掲示板  
チャンネルサービス

製品ライフサイクル管理戦略  
サービス・保証

### オンラインヘルプ

# 製品カテゴリーの選択

Products by Category

 Cloud Computing	 Routers	 Switches
 Wireless	 Security	 Network Management
 SDN	 License Server	 Transceiver Modules
 NFV	 Servers	 Oasis

# 個別製品の選択

## H3C WX1800H Series Access Controllers

H3C WX1800H Series Access Controllers

[Learn More →](#)

## H3C WX5800H Series Access Controllers

H3C WX5800H Series Access Controllers

[Learn More →](#)

## H3C 802.11ax Series Access Points

H3C WA6638 Access Point

[Learn More →](#)

## H3C WX3800H Series Access Controllers

H3C WX3800H Series Access Controllers

[Learn More →](#)

## H3C 802.11ac Wave2 Series Access Points

H3C WA510H Access Point

[Learn More →](#)

H3C WA6636 Access Point

[Learn More →](#)

H3C WA530 Access Point

[Learn More →](#)

H3C WA6630X Access Point

[Learn More →](#)

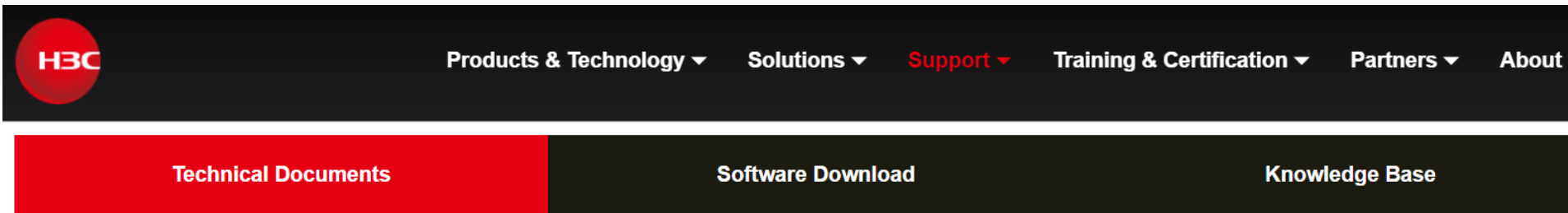
H3C WA530X Access Point

[Learn More →](#)

H3C WA6628X Access Point

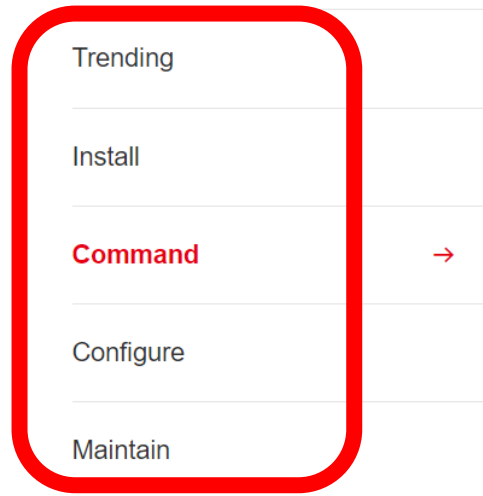
[Learn More →](#)

# 設置、コマンド、コンフィグ、保守マニュアル



The navigation bar features the H3C logo on the left and a series of menu items: Products & Technology, Solutions, Support (highlighted in red), Training & Certification, Partners, and About. Below this is a secondary navigation bar with three main categories: Technical Documents (highlighted in red), Software Download, and Knowledge Base.

## Technical Documents



A vertical sidebar menu with rounded corners, highlighted with a red border. It contains the following items: Trending, Install, **Command** (highlighted in red with a red arrow pointing right), Configure, and Maintain.

## Command References

Title	Date
<a href="#">H3C Access Controllers Command References(R5426P02)-6W103</a>	10-12-2020
<a href="#">→ 00-About the H3C command references</a>	
<a href="#">→ 01-License Management Command Reference</a>	
<a href="#">→ 02-Fundamentals Command Reference</a>	
<a href="#">→ 03-System Management Command Reference</a>	
<a href="#">→ 04-Interface Command Reference</a>	
<a href="#">→ 05-Network Connectivity</a>	
<a href="#">→ 06-WLAN Access Command Reference</a>	
<a href="#">→ 07-AP and WT Management Command Reference</a>	
<a href="#">→ 08-WLAN Security Command Reference</a>	

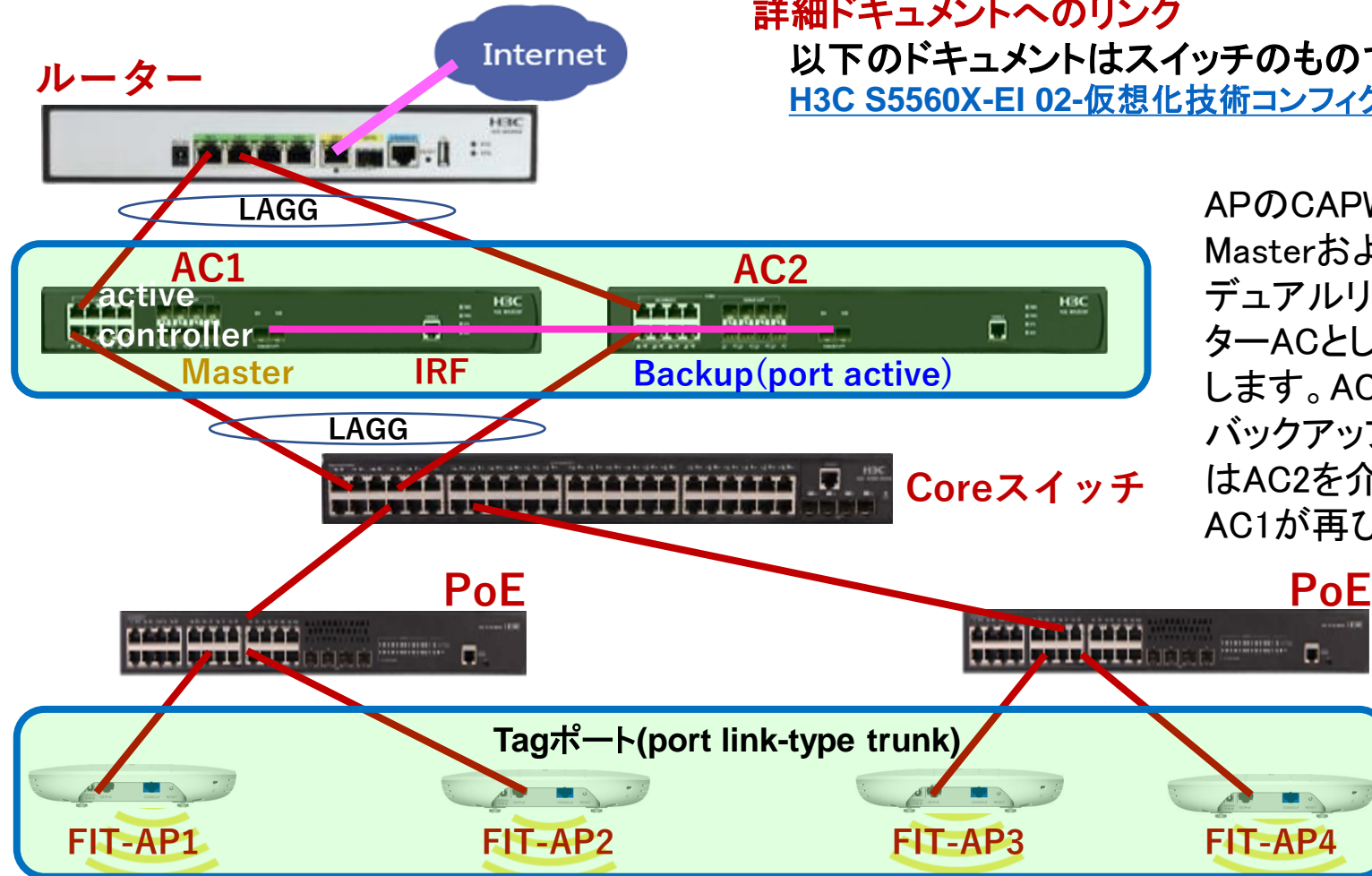


補足資料  
冗長化  
Intelligent Resilient  
Framework(IRF)

# 冗長化(IRF:1+nの冗長化)

## 詳細ドキュメントへのリンク

以下のドキュメントはスイッチのものですが、ACも同様  
[H3C S5560X-EI 02-仮想化技術コンフィグガイド\(IRF\)\(翻訳\)](#)



APのCAPWAPトンネルはスイッチを介して MasterおよびBackupに接続します。デュアルリンクバックアップを設定し、AC1をマスターACとして、AC2をバックアップACとして指定します。AC1に障害が発生すると、マスター/バックアップACスイッチオーバーが発生し、APはAC2を介して通信します。AC1が回復すると、AC1が再びサービスを引き継ぎます。

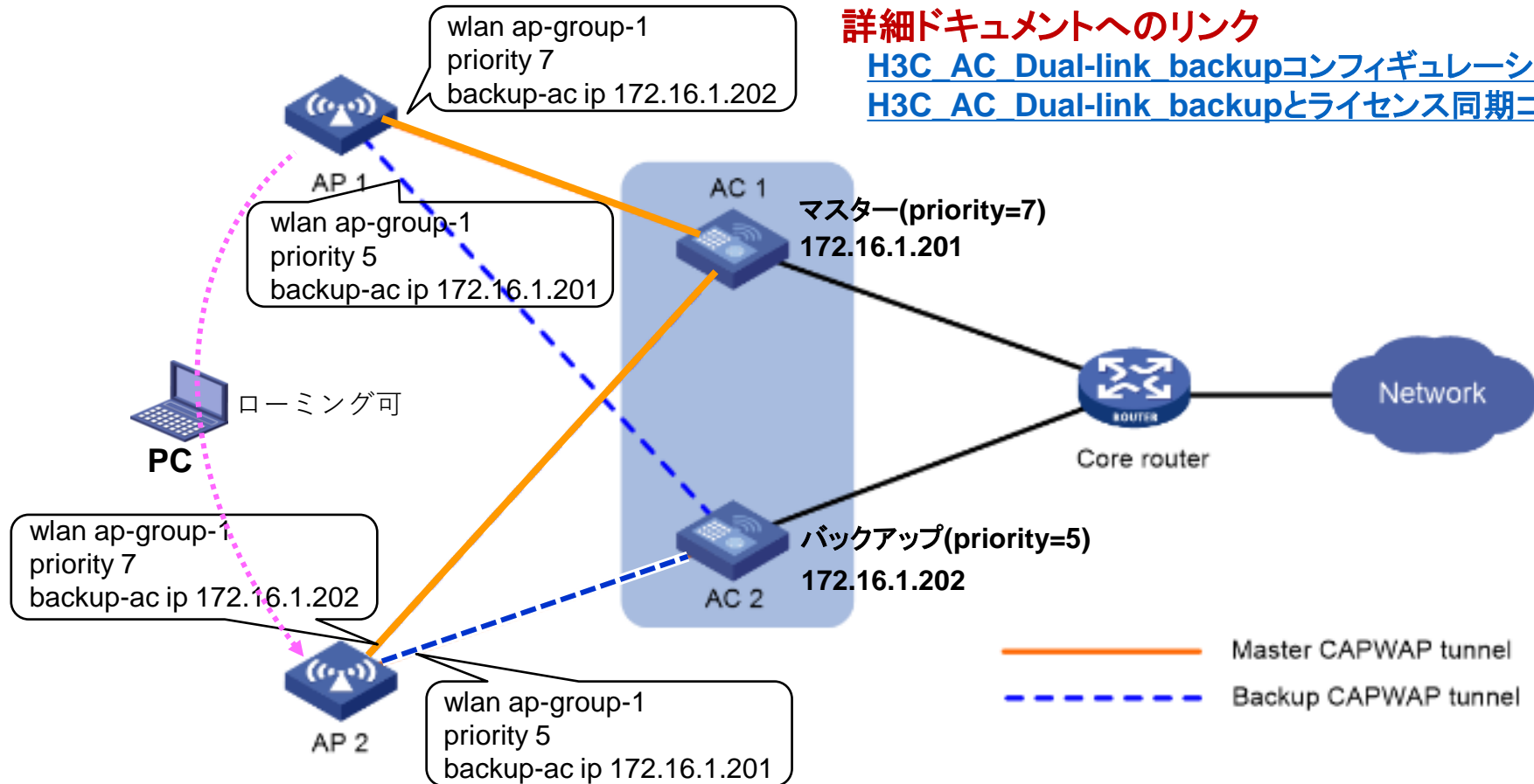
**FIT-AP間をクライアントはローミングが可能です**





補足資料  
Dual link backup(冗長化)

# 冗長化(Dual link backup:1+1の冗長化)



## AC1

```
wlan service-template north
ssid south
client forwarding-location ap
fail-permit enable keep-online
service-template enable
#
interface Vlan-interface10
ip address 172.16.1.201 255.255.255.0
#
```

```
wlan ap-group ap-group-1
priority 7
region-code JP
backup-ac ip 172.16.1.202
vlan 10
ap AP1
ap AP2
ap-model WA6320-JP
radio 1
radio enable
service-template north vlan 11
radio 2
radio enable
service-template south vlan 12
gigabitethernet 1
port link-type trunk
undo port trunk permit vlan 1
port trunk permit vlan 10 11 12
port trunk pvid vlan 10
```

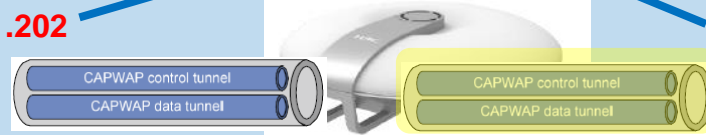
```
#
wlan ap-group ap-group-2
priority 7
region-code JP
backup-ac ip 172.16.1.202
```

## AC2

```
wlan service-template north
ssid south
client forwarding-location ap
fail-permit enable keep-online
service-template enable
#
interface Vlan-interface10
ip address 172.16.1.202 255.255.255.0
#
```

```
wlan ap-group ap-group-1
priority 5 priority は INTEGER <0-7>
region-code JP
backup-ac ip 172.16.1.201
vlan 10
ap AP1
ap AP2
ap-model WA6320-JP
radio 1
radio enable
service-template north vlan 11
radio 2
radio enable
service-template south vlan 12
gigabitethernet 1
port link-type trunk
undo port trunk permit vlan 1
port trunk permit vlan 10 11 12
port trunk pvid vlan 10
```

```
#
wlan ap-group ap-group-2
priority 5
region-code JP
backup-ac ip 172.16.1.201
```



障害時の切り替えは10分程度かかる  
fail permitが設定されているので、既存クライアントはACを経由しないので接続を続ける

**H3C**

[www.h3c.com](http://www.h3c.com)