



 H3C WLAN製品ACハンズオントレーニングv2.1



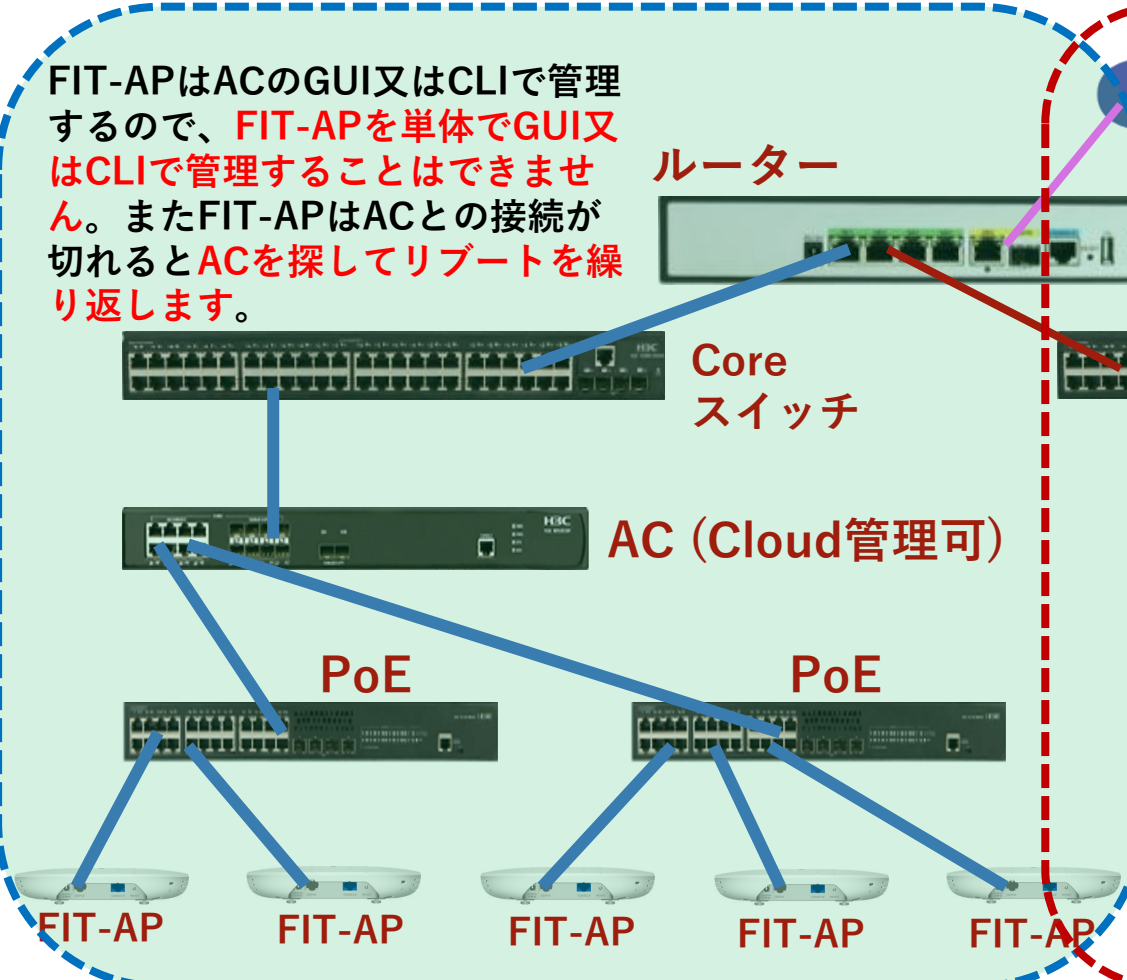
- 01 アクセスポイントをFITに設定する
- 02 ACを設定する
- 03 完成したコンフィグのコマンドでの確認
- 04 エラー情報の取得
- 05 PoEスイッチの設定
- 06 マニュアルについて

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**、自律(**Cloud simple**)、**Anchor-ac**の4通りがあります。

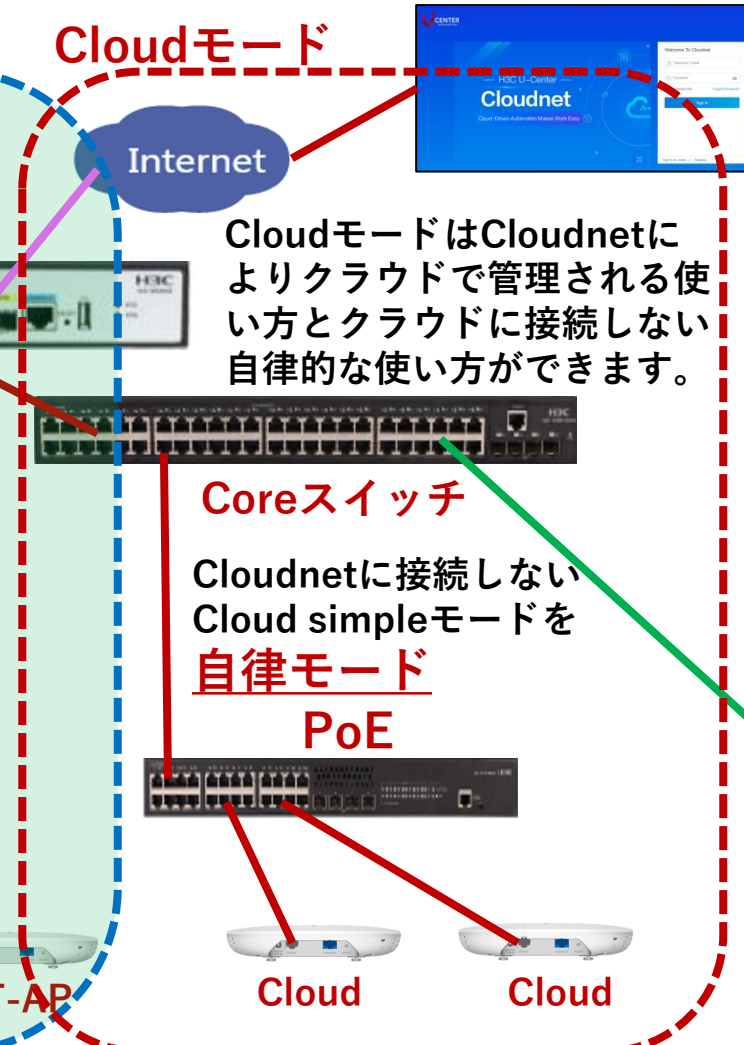
FITモード

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**。



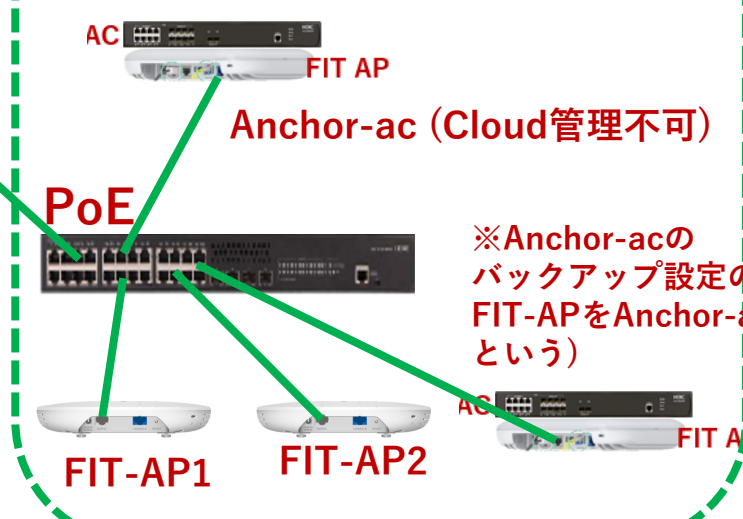
Cloudモード

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。



Anchor-acモード

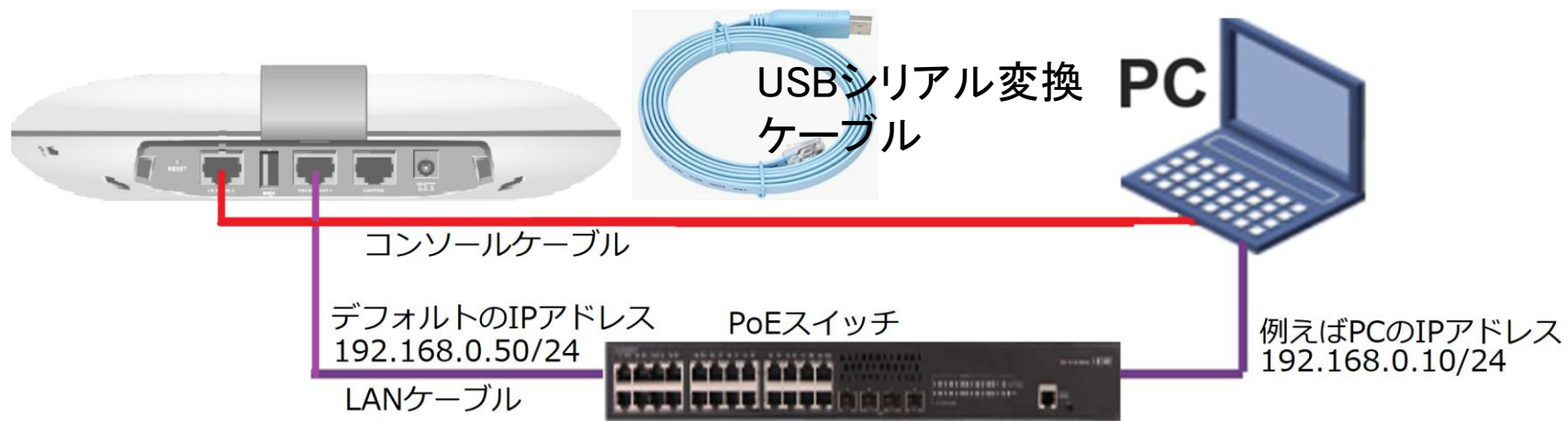
Anchor-ACは簡易的なACの機能を持ち複数のFIT-APを管理することができます。Anchor-ACは複数台設定すると1台がmasterとなり、他のAPはバックアップとしてmasterが正常なうちはAnchor-APとして働き、masterに障害が発生するとAnchor-ACとなります。



※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.

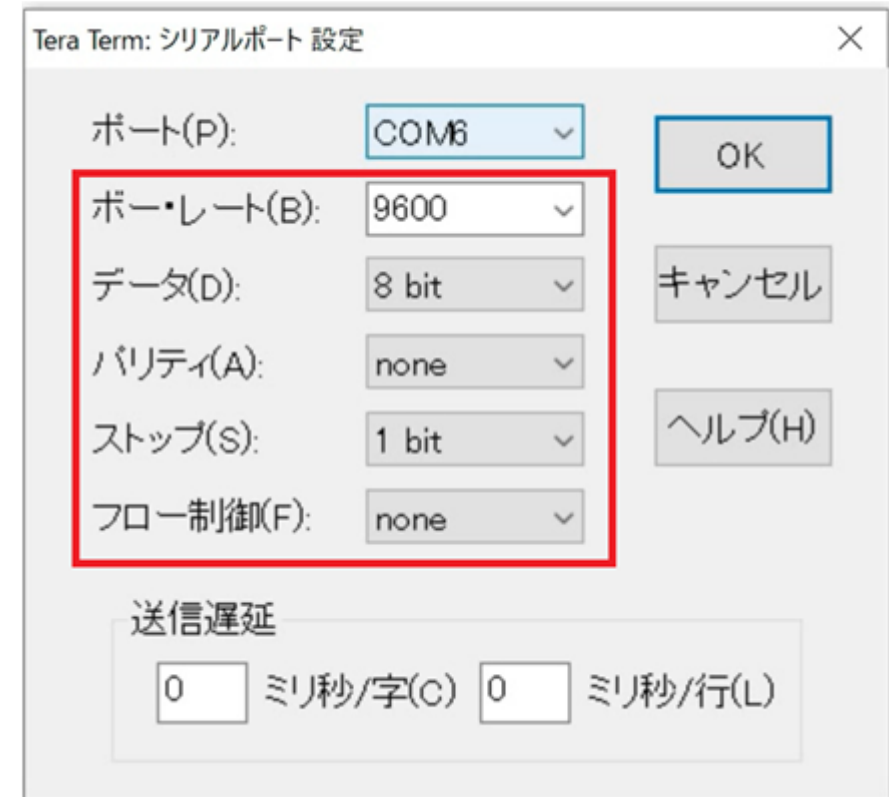
Press ENTER to get started.

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



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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。

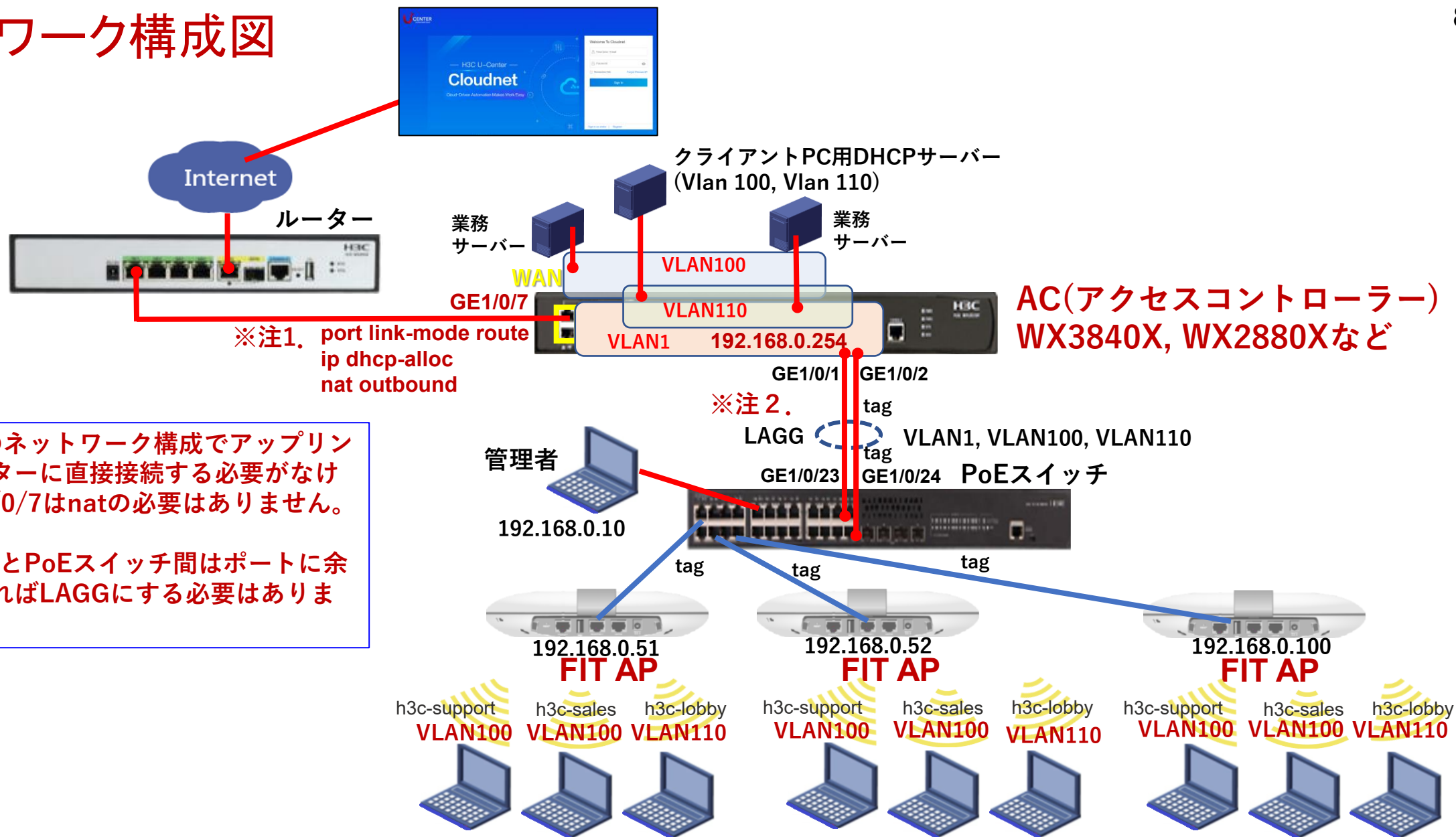
このセグメントにFIT APのIPアドレスが揃うように、ACをDHCPサーバー(最大49AP)として設定します。

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

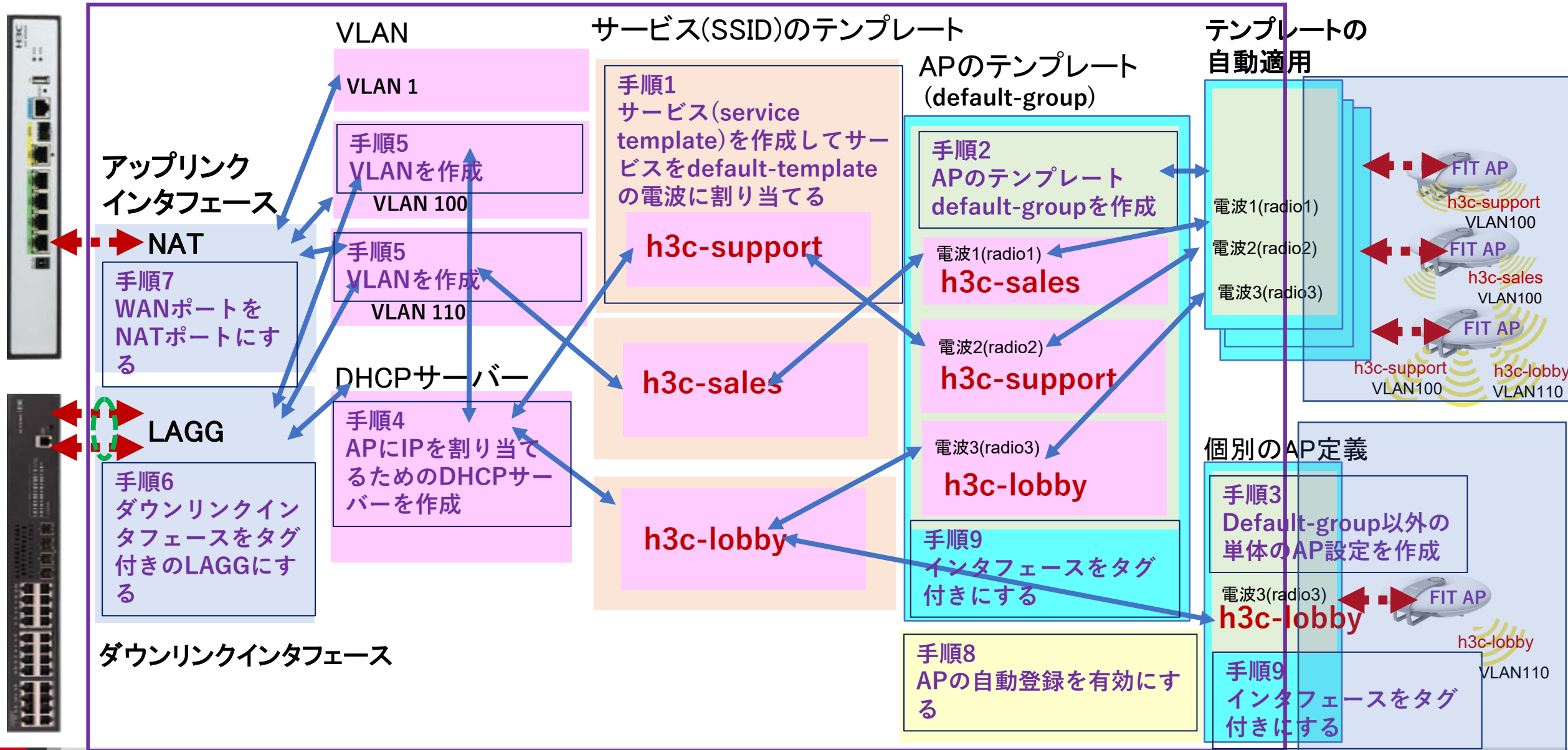
ネットワーク構成図



注1. このネットワーク構成でアップリンクがルーターに直接接続する必要がなければGE1/0/7はnatの必要はありません。

注2. ACとPoEスイッチ間はポートに余裕があればLAGGにする必要はありません。

GUIでの設定手順例

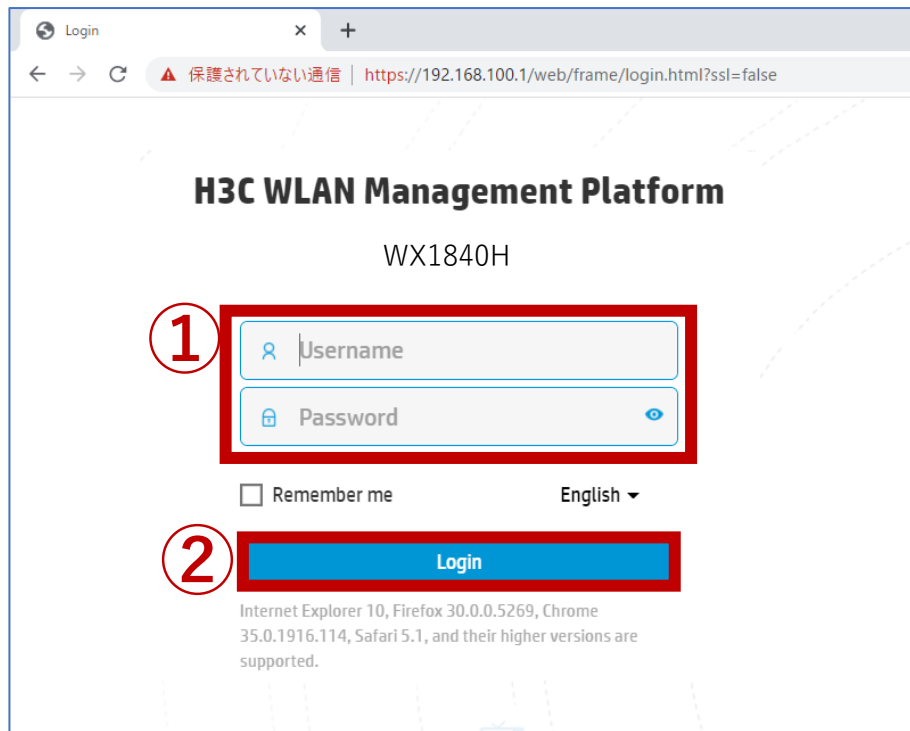


ACのGUIにログインする方法

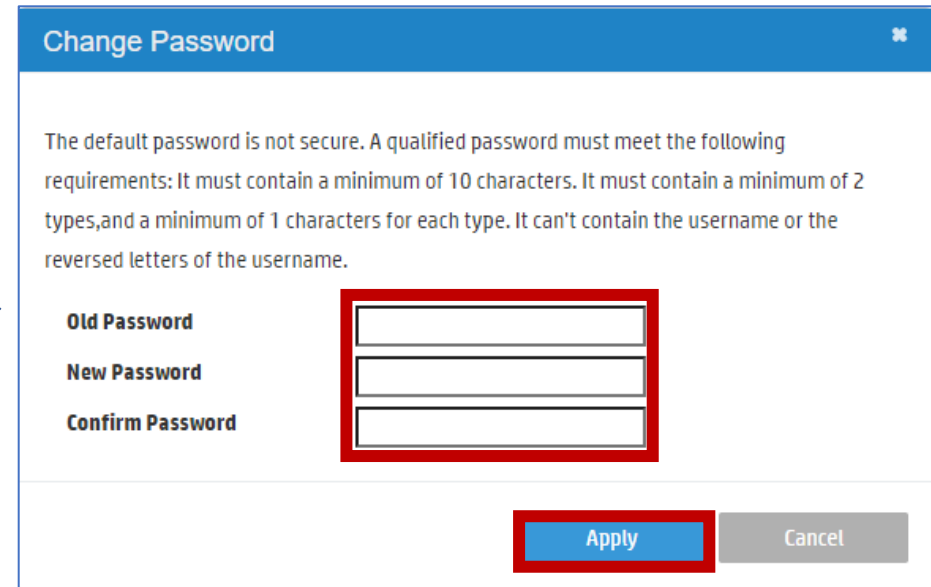
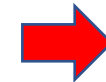
PCのブラウザを起動し以下のURLを入力します。

http://APのIPアドレス/

デフォルトのユーザー名: **admin**、パスワード: **admin**



Internet Explorer 10, Firefox 30.0.0.5269, Chrome 35.0.1916.114, Safari 5.1, and their higher versions are supported.



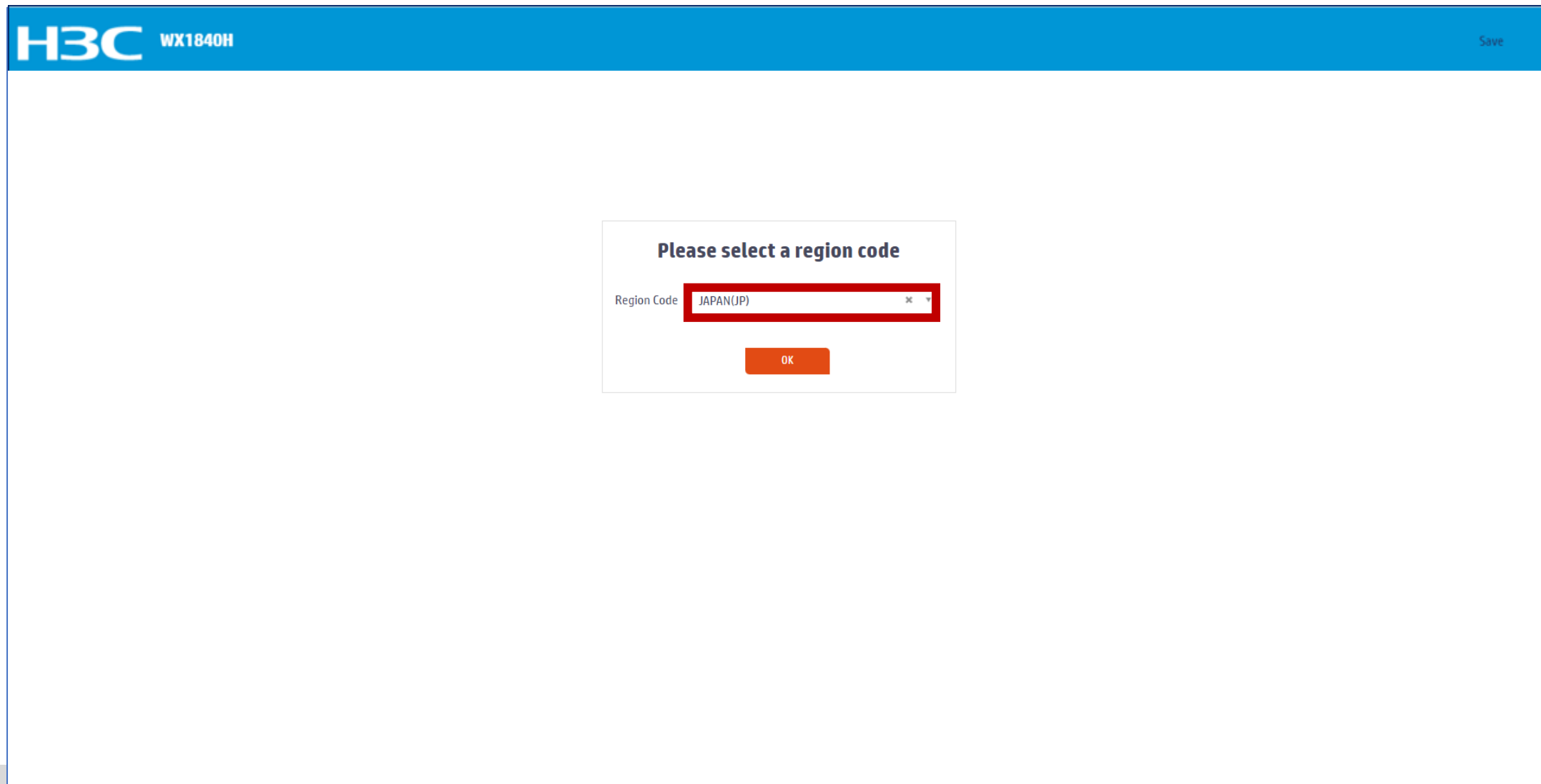
Apply Cancel

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 web 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'. This dialog box contains a label 'Region Code' followed by a dropdown menu showing 'JAPAN(JP)'. The dropdown menu has a red border. Below the dropdown is an orange 'OK' button.

Region Codeの選択画面が出ない場合

The screenshot shows the H3C WX1840H management interface. The left sidebar contains a menu with the following items: Actions, Dashboard, Quick Start, Monitoring, Wireless Configuration (1), Wireless Networks, AP Management (2), Wireless QoS, Wireless Security, Radio Management, Client Proximity Sensor, Applications, and Network Security. The main content area is titled 'All Networks > Wireless Configuration > AP Management > AP Global Settings'. The 'AP Global Settings' tab (3) is selected. Under 'Basic Settings', the 'Region code' (4) is set to 'JAPAN(JP)'. Below this, a dropdown menu (5) also shows 'JAPAN(JP)'. At the bottom of this section are 'Apply' (6) and 'Cancel' buttons. Other settings include 'Region code lock' (OFF), 'Software upgrade' (ON), 'Auto AP' (ON), and 'Auto AP conversion' (ON). The bottom status bar shows 'Access Points' (0 green, 1 blue, 1 red), 'Clients' (0), and 'Event Logs' (0 red, 0 blue, 2 yellow, 1 blue, 3 grey).

1 Wireless Configuration

2 AP Management

3 AP Global Settings

4 JAPAN(JP)

5 JAPAN(JP)

6 Apply

Access Points: 0, 1, 1
Clients: 0
Event Logs: 0, 0, 2, 1, 3

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。

```
<H3C>sys
System View: return to User View with Ctrl+Z.
[H3C]wlan global-configuration
[H3C-wlan-global-configuration]region-code JP
This operation may reset the radio parameters. Continue? [Y/N]:y
[H3C-wlan-global-configuration]quit
[H3C]
```

ログインするとDashboardが表示されます

H3C WX1840H Save

All Networks > Dashboard

System Logs

Emergency	0	Critical	5	Warning	8	Info	12
-----------	---	----------	---	---------	---	------	----

APs

Online Offline Unhealthy

1

System usage

0% CPU 68% Memory

Serial ID: 219801A2KF8209E00068
Hardware: Ver.A
Boot ROM: 7.12
Software: 7.1.064, ESS 2442

Wireless services

2.4GHz 5GHz

SSID

client number

Clients

Quantity

N/A

Interface traffic

System View **Network View**

Access Points: 1 0 0 0 Clients: 0 Event Logs: 1 0 5 8 12

192.168.0.50/wnm/frame/index.php?sessionid=20000146350de2b50aac29e5d8e4c3eae86#

メニュー

ビューの切換え [System View | Network View]

GUIのメニュー一覧(従来の設定画面)

- Network view

Actions		
Dashboard		
Quick Start	>	
Monitoring	>	
Wireless Configuration	>	
Network Security	>	
System	>	
Tools	>	
Reporting	>	

Dashboard
Quick Start

- Add New AP
- Add New SSID
- Add New User

Monitoring

- Wireless Network
- Clients
- Wireless Security
- Client Proximity Sensor
- Application Monitoring

Wireless Configuration

- Wireless Networks
- AP Management
- Wireless QoS

Wireless Security

- WIPS
- Allowlist and denylist

Radio Management

- 802.11n/802.11ax settings, transmission distance

Applications

- Mesh, Multicast

Network Security

- Packet Filter
- Traffic Policy**

 - Qos Policies, Priority Mapping

- Access Control**

 - 802.1x

- Authentication**

 - RADIUS

- User Management
- Access Control**

 - MAC Authentication
 - Port Security
 - Portal

System

- Resource**


 - ACL, Time Range
 - Cloud Platform

Tools

- Debug

Reporting

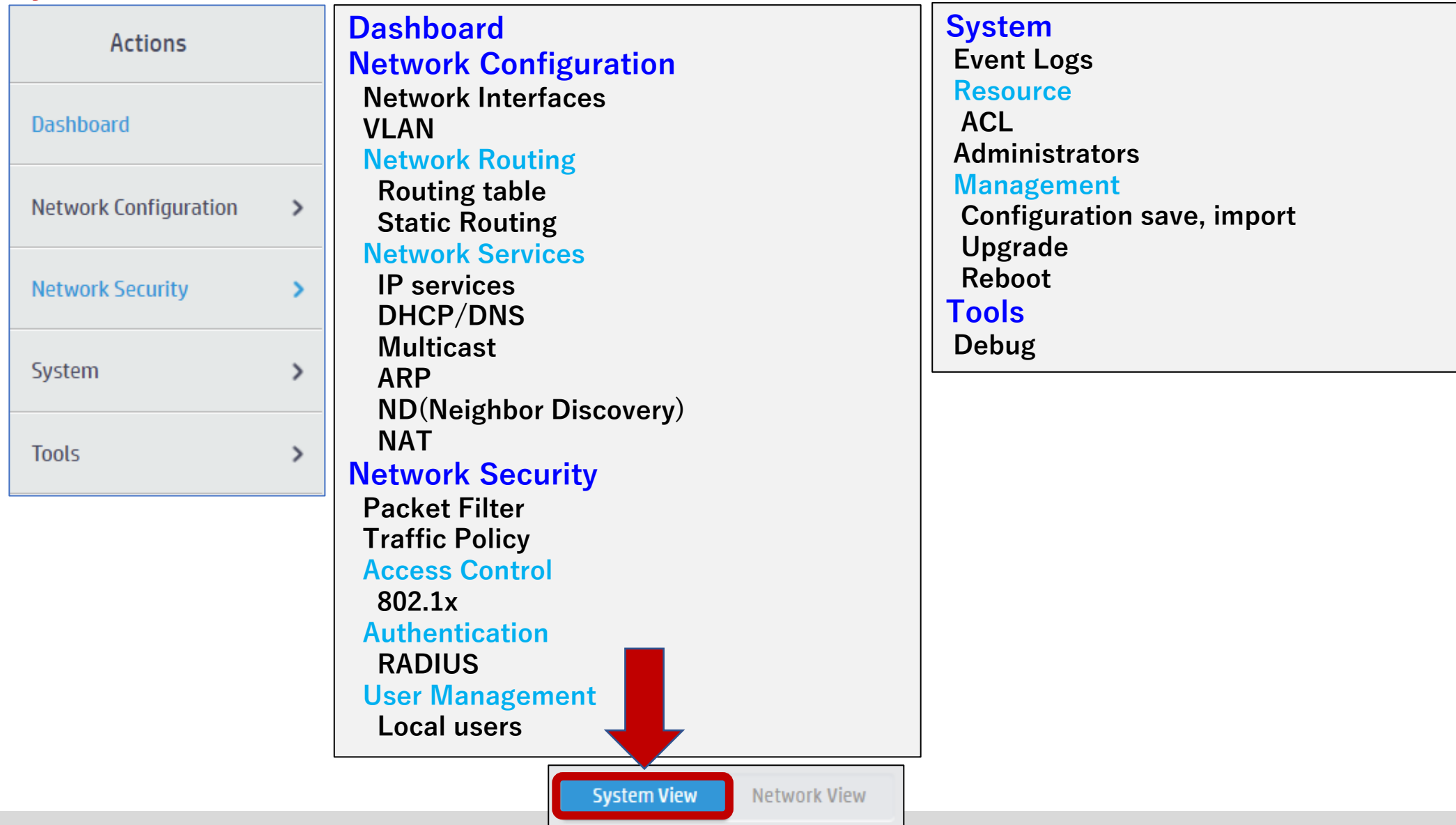
- Client Statistics
- Wireless Service Statistics



System View Network View

GUIのメニュー一覧(従来の設定画面)

- System view



GUIのメニュー一覧(新しい設定画面)

The screenshot displays the H3C management interface. At the top, the H3C logo is on the left, and 'Save', 'Roadmap', and 'admin' are on the right. The main content area is titled 'Dashboard' and shows system metrics: 'Logs' with a count of 5 and an 'Error' status, 'CPU' at 1%, and 'Memory' at 72%. Below these are sections for 'Channel Usage' and 'Clients'. A white menu overlay is positioned over the 'Wireless Configuration' item in the left sidebar. The menu items are as follows:

- Wireless Services** | Wireless Services Configuration
- AP Management** | Bind WLAN Service | Basic Settings
- Wireless QoS** | Client Rate Limit | Bandwidth Guarantee | Wi-Fi Multimedia
- Radio Management** | Radio Configuration | Band Navigation
- Wireless Security** | WIPS | Allowlist and denylist
- Applications** | Mesh Services | Multicast Optimization | Bonjour | Client Proximity Sensor

The background dashboard also includes a 'Wireless Traffic' graph showing Inbound and Outbound traffic over time.

GUIのメニュー一覧(新しい設定画面)

The screenshot displays the H3C web management interface. At the top left is the H3C logo. The top right corner contains utility icons for 'Save', 'Roadmap', and a user profile labeled 'admin'. A left-hand navigation menu is open, listing various system functions. The main content area shows a 'Dashboard' with a 'Logs' section indicating 5 errors, and system resource monitors for CPU (1%) and Memory (72%). A central menu is expanded, listing categories such as Network Interfaces, Network Links, Network Routing, IP, IPv6, Multicast, and Management Protocols. The background shows a 'Clients' gauge at 0 and a 'Traffic' graph.

H3C Save Roadmap | admin

Dashboard

Logs 5 Error CPU 1% Memory 72%

Network Interfaces Interfaces Link Aggregation PPPoE

Network Links VLAN MAC STP

Network Routing Routing Table Static Routing

IP NAT IP ARP IPv4 DNS

IPv6 IPv6 ND IPv6 DNS

Multicast IGMP Snooping MLDSnooping

Management Protocols DHCP HTTP/HTTPS Telnet SSH NTP LLDP

Dashboard

802.11a 802.11b 802.11g 802.11n 802.11ac 802.11ax

6GHz 5GHz 2.4GHz

Clients 0

Access Traffic

H3C

Traffic (bps)

Time (hh:mm)

Inbound Outbound

SSID(h3c-support)を作成する

H3C WX1840H Save

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

Dashboard

2 Quick Start

Add AP

3 Add Services

Add User

Monitoring >

Wireless Configuration >

Network Security >

System >

Tools >

Reporting >

Add Services

Basic settings

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

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

Description (1-64 chars)

Wireless Service **6** ON OFF ※SSIDを有効にする

Default VLAN **7** 100 (1-4094, 1 by default)

Hide SSID Yes No

User Isolation Yes No

Forwarding type **8** Centralized Local ※client forwarding-location ap

Authentication settings

Authentication mode **9** Static PSK

Authenticator AC

Security mode **10** WPA WPA2 WPA or WPA2 WPA3-Personal WPA3-Enterprise

Management Frame Protection ON OFF

PSK key **11** Passphrase Rawkey

Apply and Configure Advanced Settings **Apply** **11**


System View **Network View** **1**


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

SSID(h3c-support)を作成する

#	
wlan service-template h3c-support	
ssid h3c-support	SSID名
vlan 100	
beacon ssid-hide	SSIDを隠す
client forwarding-location ap	クライアントはVLANにACを経由せず
user-isolation enable	同一SSIDにつながるクライアント同士の通信不可
akm mode psk	パスワードを要求
pre-shared-key pass-phrase simple @helpdesk99	パスワード設定
cipher-suite ccmp	WPA2接続用
cipher-suite tkip	WPA接続用(WPA or WPA2を選択)
security-ie rsn	802.11i (Robust Security Network)対応
security-ie wpa	Wi-Fi Protected Access 全般を意味する
service-template enable	このテンプレートを有効にする
#	

Security modeとコマンド

Security mode WPA WPA2 WPA or WPA2 WPA3-Personal 

WPA3-Enterprise 

WPA3-Personal Mode Required Optional

Cipher suite TKIP CCMP TKIP or CCMP GCMP

```
#####
# Security mode: WPA
#####
wlan service-template wpa
ssid WPA
akm mode psk
preshared-key pass-phrase simple @helpdesk99
cipher-suite ccmp
cipher-suite tkip
security-ie wpa
#
#####
# Security mode: WPA2
#####
wlan service-template wpa2
ssid WPA2
akm mode psk
preshared-key pass-phrase simple @helpdesk99
cipher-suite ccmp
security-ie rsn
```

```
#####
# Security mode: WPA or WPA2
#####
wlan service-template wpawpa2
ssid WPA.WPA2
akm mode psk
preshared-key pass-phrase simple @helpdesk99
cipher-suite ccmp
cipher-suite tkip
security-ie rsn
security-ie wpa
#
#####
# Security mode: WPA3-Personal
# WPA3-Personal Mode: Required
#####
wlan service-template WPA-Ppersonal
ssid WPA-Ppersonal
akm mode psk
preshared-key pass-phrase simple @helpdesk99
cipher-suite ccmp
security-ie rsn
wpa3 personal required
```

Security modeとコマンド

Security mode WPA WPA2 WPA or WPA2 WPA3-Personal 

WPA3-Enterprise 

Cipher suite TKIP CCMP TKIP or CCMP GCMP

Management Frame ON OFF


Protection

Management Frame Required Optional

Protection Mode

802.1X

Dynamic WEP ON OFF

Handshake  ON OFF

Reauthentication ON OFF

Domain name

Maximum clients (1-512, 512 by default)

Authentication mode Open (no authentication)

Static PSK

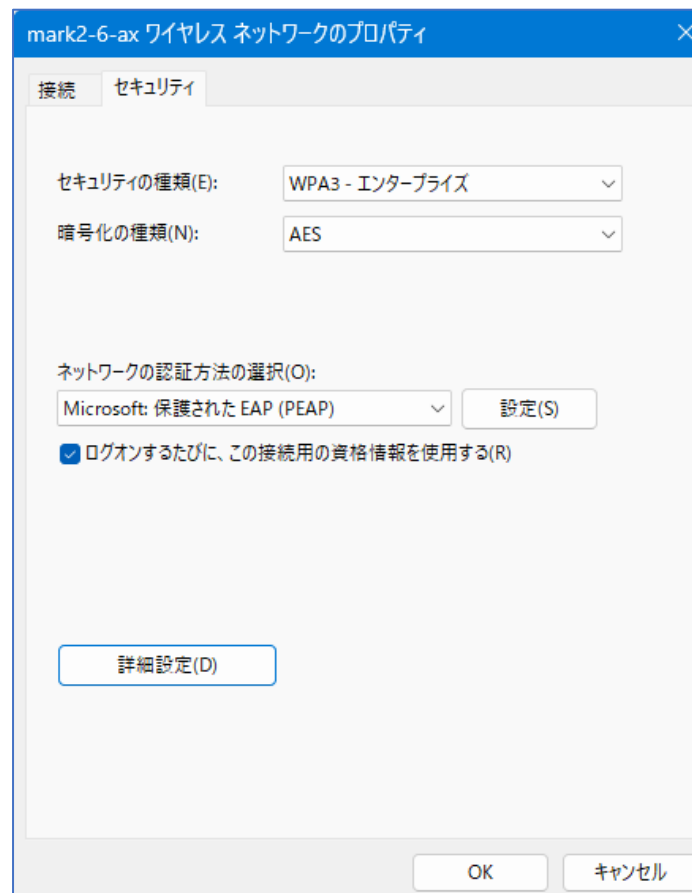
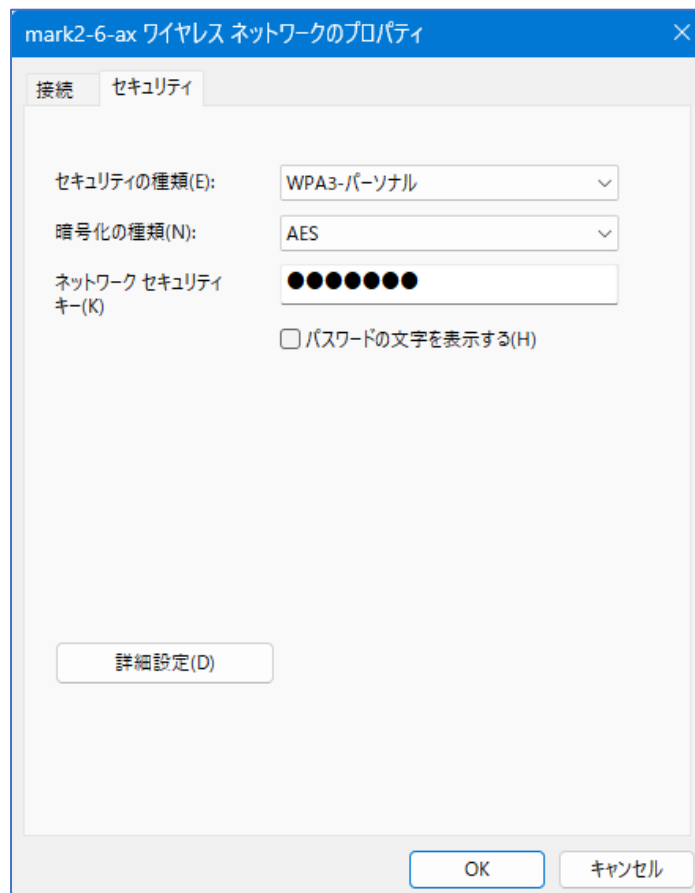
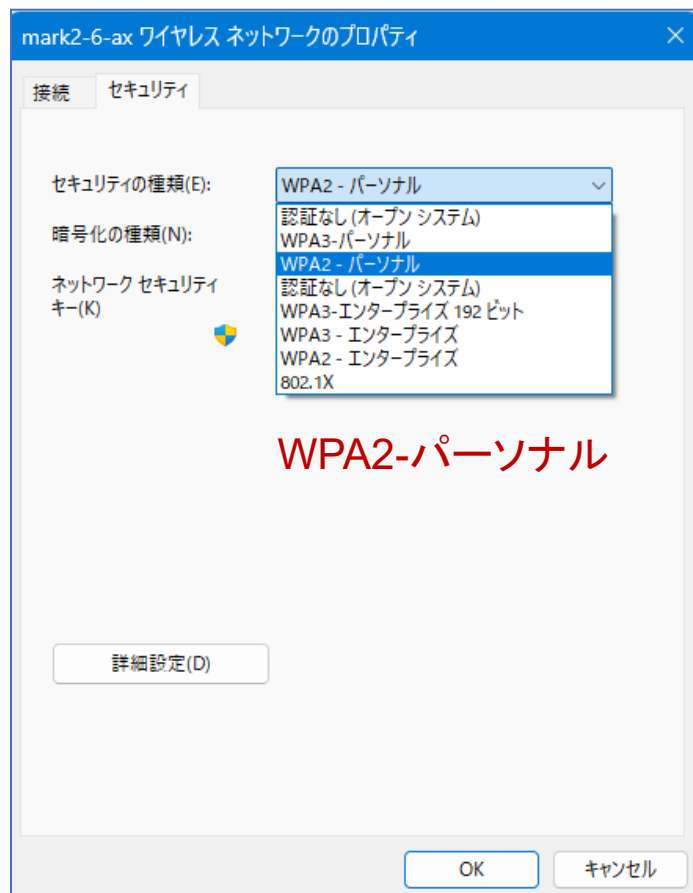
802.1X

802.1X (clear)

Static WEP

```
#####
# Security mode: WPA3-Enterprise
#####
wlan service-template wpa3-enterprise
ssid WPA3-Enterprise
akm mode dot1x
cipher-suite gcmp
security-ie rsn
wpa3 enterprise
client-security authentication-mode dot1x
dot1x domain system
pmf mandatory
```

補足: PCのNICの現在の設定確認



SSID(h3c-sales)を作成する

1 Add Services

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

3 SSID *: h3c-sales (32 chars)

4 Wireless Service: ON OFF ※SSIDを有効にする

5 Default VLAN: 100 (4094, 1 by default)

6 Hide SSID: Yes No

7 User Isolation: Yes No

7 Authentication mode: Static PSK

8 Security mode: WPA or WPA2

8 PSK key *: [password] (8-63 alphanumeric chars)

9 Apply

※client forwarding-location ap

System View **Network View**

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

SSID(h3c-sales)を作成する

```
#  
wlan service-template h3c-sales  
  ssid h3c-sales  
  vlan 100  
  beacon ssid-hide  
  client forwarding-location ap  
  user-isolation enable  
  akm mode psk  
  preshared-key pass-phrase simple @bigsale  
  cipher-suite ccmp  
  cipher-suite tkip  
  security-ie rsn  
  security-ie wpa  
  service-template enable  
#
```

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** (-63 chars)

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

Description (1-64 chars)

Wireless Service **4** ON OFF **※SSIDを有効にする**

Default VLAN **5** (1-4094, 1 by default)

Hide SSID Yes No

User Isolation **6** Yes No

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

Authentication settings

Authentication mode **7** 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 * **8** (8-63 alphanumeric chars)
 Confirm password

9

System View **Network View**

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

SSID(h3c-lobby)を作成する

```
#  
wlan service-template h3c-lobby  
  ssid h3c-lobby  
  vlan 110  
  client forwarding-location ap  
  user-isolation enable  
  akm mode psk  
  preshared-key pass-phrase simple thankyou  
  cipher-suite ccmp  
  cipher-suite tkip  
  security-ie rsn  
  security-ie wpa  
  service-template enable  
#
```

APのデフォルトグループを設定します

The screenshot displays the H3C WX1840H management interface. The breadcrumb navigation path is "All Networks > Wireless Configuration > AP Management > AP Groups". The left sidebar contains a menu with "Wireless Configuration" (1) and "AP Management" (2) highlighted. The main content area shows a table of AP Groups with one entry: "default-group" (3) with 2 APs. A red box (4) highlights the "+" button in the Actions column for the "default-group" row.

Name	Description	APs	Actions
default-group		2	[+]

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

System View Network View

Access Points: 0 (green), 2 (red), 0 (blue)
Clients: 0
Event Logs: 1 (red), 1 (blue), 6 (yellow), 2 (blue)

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) ✕

LED mode ⚡ Normal ✕

AP model **2** WA6638-JP ✕
WA6638-JP 🗑️

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	3 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"/>

**※電波のハードをONにする
(電波を送出する)**

Apply Cancel

System View Network View

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

APのデフォルトグループを設定します

```
#  
wlan ap-group default-group  
region-code JP  
vlan 1  
ap-model WA6338-JP  
radio 1  
  radio enable  
radio 2  
  radio enable  
radio 3  
  radio enable  
gigabitethernet 1  
#
```

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 in the 'Bind wireless service to radio 5GHz(1)' section 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: VLAN (selected with a radio button, highlighted with a red box and the number 3)
- Bound VLAN ID: 100

The 'Apply' button at the bottom of the modal window is highlighted with a red box and the number 4. The bottom status bar shows: 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 1(5GHz)を設定します

```
#  
wlan ap-group default-group  
region-code JP  
vlan 1  
ap-model WA6338-JP  
radio 1  
radio enable  
service-template h3c-sales vlan 100  
radio 2  
radio enable  
radio 3  
radio enable  
gigabitethernet 1  
#
```

デフォルトグループのradio 2(5GHz)を設定します

The screenshot shows the H3C WX1840H management interface. The main menu on the left includes: Actions, Dashboard, Quick Start, Monitoring, Wireless Configuration, Wireless Networks, AP Management, Wireless QoS, Wireless Security, Radio Management, Client Proximity Sensor, Applications, Network Security, System, Tools, and Reporting. The breadcrumb path is: All Networks > Wireless Configuration > AP Management > AP Groups > Edit AP Group(default-group). The current page is 'WLAN Service' for 'AP Model:WA6638-JP'. The 'Bind wireless service to radio 5GHz(1)' section shows a table with columns for 'Bind WLAN Service' and 'guest'. The 'Applications' menu item is circled with a red '1'. The 'Add' button in the 'Bind wireless service to radio 5GHz(2)' section is circled with a red '2'. The 'Add binding' dialog is open, showing the following configuration: AP Group Name: default-group, AP Type: WA6638-JP, Radio: 5GHz(2), Bind WLAN Service: H3c-support (circled with a red '2'), Bound VLAN: 110 (circled with a red '2'). The 'Apply' button in the dialog is circled with a red '3'. The bottom status bar shows: System View, Network View, Access Points (0), Clients (0), and Event Logs (0, 1, 29, 101).

デフォルトグループのradio 2(5GHz)を設定します

```
#  
wlan ap-group default-group  
region-code JP  
vlan 1  
ap-model WA6338-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  
gigabitethernet 1  
#
```

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 content area shows the configuration for the 'default-group' AP Group, specifically the 'Bind wireless service to radio 2.4GHz(3)' section. A modal dialog box titled 'Add binding' is open, allowing the user to configure a new binding. The dialog contains the following fields and options:

- AP Group Name: default-group
- AP Type: WA6638-JP
- Radio: 2.4GHz(3)
- Bind WLAN Service: H3c-lobby (selected)
- Bound VLAN: 110 (selected)
- Options: VLAN, VLAN Group

Red annotations highlight the following steps:

1. The 'Add' button in the 'Bind wireless service to radio 2.4GHz(3)' section is highlighted.
2. The 'Bind WLAN Service' dropdown menu is highlighted, showing 'H3c-lobby' selected.
3. The 'Apply' button at the bottom of the 'Add binding' dialog is highlighted.

The interface also shows a sidebar with navigation options like 'Dashboard', 'Quick Start', 'Monitoring', 'Wireless Configuration', 'Wireless Networks', 'AP Management', 'Wireless QoS', 'Wireless Security', 'Radio Management', 'Client Proximity Sensor', 'Applications', 'Network Security', 'System', 'Tools', and 'Reporting'. The bottom status bar shows 'Access Points' (0), 'Clients' (0), and 'Event Logs' (101).

デフォルトグループのradio 3(2.4GHz)を設定します

```
#  
wlan ap-group default-group  
region-code JP  
vlan 1  
ap-model WA6338-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  
#
```

(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

1 Quick Start

2 Add New AP

3 Name * ROOM-101 (1-64 chars)

Description room number 101 (1-64 chars)

4 Model * WA6638-JP

5 Serial ID 219801AZYF821BE000YX (1-63 chars)

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

AP group name default-group

6 Region code JAPAN(JP)

7 2.4GHz radio(3) OFF

8 Apply and Configure Advanced Settings

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)

※電波のハードをONにする(電波を送出する)

System View Network View

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

(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

```
#  
wlan ap ROOM-101 model WA6638-JP  
serial-id 219801A2YF821E000YX  
region-code JP  
vlan 1  
radio 1  
radio 2  
radio 3  
radio enable  
gigabitethernet 1  
#
```

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

System View

Network View

The screenshot displays the H3C WX1840H web management interface. The breadcrumb path is System > Network Configuration > Network Services > DHCP/DNS > DHCP. The left sidebar contains a menu with the following items: Actions, 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 shows the DHCP configuration page with a sub-menu for DHCP, IPv4 DNS, and IPv6 DNS. The DHCP section is active, and an "Enable DHCP" button is circled 5. At the bottom of the page, there are two view tabs: "System View" (circled 1) and "Network View". The bottom right corner features a status bar with "Access Points" (1 green, 0 grey, 0 red), "Clients" (0), and "Event Logs" (0 red, 6 yellow, 5 blue).

H3C WX1840H Save

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

Actions

Dashboard

2 Network Configuration

Network Interfaces

VLAN

Network Routing

3 Network Services

IP Services

4 DHCP/DNS

Multicast

ARP

ND

Management Protocols

Network Security >

System >

DHCP IPv4 DNS IPv6 DNS

DHCP

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

Enable DHCP 5

1 System View Network View

Access Points Clients Event Logs

1 0 0 0 0 6 5

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

```
#  
dhcp enable  
#
```

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

1

Service **Address pool** Relay agent [Power] [Settings] [Help]

DHCP

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

[Dropdown] **Add Address Pool** **2**

Assigned Address DHCP Options IP In Use

Apply

System View Network View

Access Points: 1 (Green), 0 (Grey), 0 (Red) | Clients: 0 | Event Logs: 0 (Red), 7 (Grey), 7 (Yellow), 5 (Blue)

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 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 an 'Add Address Pool' button. A modal dialog titled 'New DHCP Server Address Pool' is open, featuring a text input field for the '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)

```
#  
dhcp server ip-pool "For AP Management"  
#
```

ACを他のAPのDHCPサーバーとして設定する(続き)

H3C WX1840H

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

Save

DHCP

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

Service Address pool Relay agent

For AP Management Delete Add Address Pool

Assigned Address DHCP Options IP In Use

Dynamic assignment

1

192.168.0.0 / 255.255.255.0 (Network address/mask)

IPv4 address Range

192.168.0.51 - 192.168.0.100

Static assignment

IP Address	Mask	Type	Hardware Address/Client ID
X.X.X.X		Ethernet	

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

Apply 2

System View Network View

Access Points 1 Clients 0 Event Logs 10

ACを他のAPのDHCPサーバーとして設定する(続き)

```
#  
dhcp server ip-pool "For AP Management"  
network 192.168.0.0 mask 255.255.255.0  
address range 192.168.0.51 192.168.0.100  
#
```

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

The screenshot shows the H3C WX1840H web interface for configuring DHCP options. The breadcrumb path is System > Network Configuration > Network Services > DHCP/DNS > DHCP. The 'DHCP Options' section is active, and the 'Gateways' field is set to 192.168.0.254. The 'DNS servers' field is set to 8.8.8.8. The 'Apply' button is highlighted.

Assigned IP Address: **1** **DHCP Options** IP In Use

Lease duration: Unlimited
 1 days 0 hours 0 minutes 0 seconds

Client domain name: (1-50 chars)

Gateways: **2**

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.

3 **Apply**

System View Network View

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

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

```
#  
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  
dns-list 8.8.8.8  
#
```

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. A table lists DHCP options with columns for Assigned Address, DHCP Options, and IP In Use. The "IP In Use" column for the first option is highlighted with a red box. A red circle with the number "1" is around the "DHCP Options" column header. A red circle with the number "2" is around a refresh button in the "Network Routing" section of the left sidebar. Below the table, it says "Total 4 entries, 4 matched, 0 selected. Page 1 / 1." At the bottom, there are tabs for System View and Network View, and a status bar showing Access Points (4 green, 0 grey, 1 red), Clients (0), and Event Logs (1 red, 4 yellow, 15 blue, 40 white).

Assigned Address	DHCP Options	IP In Use
192.168.0.51	0100-ddb6-b187-a0	
192.168.0.52	0100-ddb6-b18f-40	
192.168.0.53	0100-ddb6-b17c-a0	
192.168.0.54	0100-ddb6-b192-60	

VLAN100を作成する

The screenshot shows the H3C WX1840H web management interface. The breadcrumb path is System > Network Configuration > VLAN > VLAN. The left sidebar contains a menu with 'Network Configuration' (1) and 'VLAN' (2) highlighted. In the main area, the 'VLAN' tab is active, and a '+' button (3) is used to add a new entry. A 'Create VLAN list' dialog box is displayed, where the 'VLAN list' field (4) contains the value '100'. The 'Apply' button (5) is highlighted in red. The background table shows existing VLAN configurations, including one with ID 1 and IP address 192.168.0.50/255.255.255.0.

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	✎

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	✎
100	0			VLAN 0100	✎ 🗑

A 'Create VLAN list' dialog box is open in the foreground. It contains the following elements:

- A red circle with the number '1' highlights the '+' icon in the top toolbar of the VLAN table.
- A red circle with the number '2' highlights the 'VLAN list' input field, which contains the value '110'. A red box also highlights the input field.
- A red circle with the number '3' highlights the 'Apply' button.

The dialog box also includes a close button (X) in the top right corner and a 'Cancel' button next to the 'Apply' button. The input field has a placeholder text '(2-4094, e.g. 3,5,10-100)'. At the bottom of the page, there are status indicators for 'Access Points' (1 green, 0 red), 'Clients' (0), and 'Event Logs' (0 red, 7 yellow, 9 blue, 21 white).

VLAN100を作成する
VLAN110を作成する

```
#  
vlan 100  
#  
vlan 110  
#
```

VLAN100, VLAN110が完成

H3C WX1840H Save

System > Network Configuration > VLAN > VLAN Roadmap

VLAN MAC STP

VLAN

Search

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

System > Network Configuration > Network Interfaces > Interfaces

Interfaces Link Aggregation

Statistics

All interfaces Search

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

Total 32 entries, 32 matched, 0 selected. Page 1 / 1.

System View Network View

Access Points 3 1 0 0 Clients 0 Event Logs 0 0 8 51

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

5 画面の最下までスクロールダウン

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)
Duplex: (Current: Full)
Bandwidth: (Current: 1000000kbit/s)

System View Network View

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

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

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: 4000 (selected) / Disable

BPDU interception: Enable BPDU interception

Flow control: Disable

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

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

2

GE1/0/1ポートをtrunkポートに変更する

```
#  
interface GigabitEthernet1/0/1  
  port link-type trunk  
  port trunk permit vlan all  
#
```

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.

1 System View Network View

Access Points 0 2 1 0 Clients 0 Event Logs 1 0 6 11 10

GE1/0/2ポートをtrunkポートに変更する

The screenshot shows the H3C WX1840H web interface for configuring the GigabitEthernet1/0/2 interface. The interface is currently set to 'Trunk' link type and '1-4094' permit VLAN list. The configuration is shown in the 'Edit Interface' view.

1 Network Configuration

2 Network Interfaces

3 Trunk

4 1-4094

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

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

Link type: Trunk

PVID: 1

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

Link speed: (Current: 1000000Kbps)

Duplex: (Current: Full)

Bandwidth: (Current: 1000000kbit/s)

System View Network View

Access Points: 0 2 0 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

The screenshot shows the H3C WX1840H web interface for editing a network interface. The breadcrumb path is System > Network Configuration > Network Interfaces > Interfaces > Edit Interface. The left sidebar contains navigation menus for Actions, Dashboard, Network Configuration, Mobility Domain, Roaming Center, Network Interfaces (highlighted), VLAN, Network Routing, Network Services, Management Protocols, Network Security, System, and Tools. The main configuration area includes:

- Bandwidth: Auto (Current: 1000000kbit/s)
- Link mode: Bridge (selected) / Route
- Jumbo frame: Disable
- 4000 (selected) (1700-4000)
- BPDU interception: Enable BPDU interception (unchecked)
- Flow control: Disable
- Traffic suppression: Broadcast suppression (ratio 100), Multicast suppression (ratio 100), Unknown unicast suppression (ratio 100)

At the bottom, there are 'Apply' and 'Cancel' buttons. A red box highlights the 'Apply' button, and a red circle with the number '2' is next to it. A red arrow points from the top right towards the bottom right, with a red circle and the number '1' at its tip. The bottom status bar shows 'System View' and 'Network View' tabs, and a summary of system metrics: Access Points (0 green, 2 grey, 1 red), Clients (0), and Event Logs (0 red, 6 yellow, 10 blue).

画面の最下まで
スクロールダウン

1

2

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

```
#  
interface GigabitEthernet1/0/2  
  port link-type trunk  
  port trunk permit vlan all  
#
```

(オプション)GE1/0/1, GE1/0/2をLAGGに設定する

H3C WX1840H Save

Actions

Dashboard

Network Configuration

Mobility Domain

Roaming Centers

1 Network Interfaces

VLAN

Network Routing

Network Services

Management Protocols

Network Security

System

System > Network Configuration > Network Interfaces > Link Aggregation

Interfaces **2** Link Aggregation

Link Aggregation

Search

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

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

3 +

System View Network View

Access Points 0% 100% 0% Clients 0 Event Logs 0 1 15 42

(オプション) 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.

Configuration details:

- 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

Navigation and Action:

- 1**: Network Interfaces (Sidebar menu)
- 2**: Aggregate interface number input field
- 3**: Member Ports list
- 4**: Apply button

System Status (Bottom Right):

Access Points	Clients	Event Logs
0% (Green)	0	0 (Red), 1 (Red X), 15 (Yellow), 42 (Blue)

GE1/0/1, GE1/0/2をLAGGに設定する

```
#  
interface Bridge-Aggregation1  
#  
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  
#
```

(オプション) GE1/0/7をnatポートに設定するためにポートのlinkモードをrouteに変更

The screenshot displays the H3C WX1840H network configuration interface. The left sidebar contains a navigation menu with the following items: Dashboard, Network Configuration (circled 2), Mobility Domain, Roaming Center, Network Interfaces (circled 3), VLAN, Network Routing, Network Services, Management Protocols, Network Security, System, and Tools. The main content area shows the 'Interfaces' configuration page. A table lists the network interfaces with the following columns: Interface, Status, IP Address, Speed(Kbps), Duplex, Description, and Actions. The 'GE1/0/7' interface is highlighted with a red box and a circled '4'. The table data is as follows:

Interface	Status	IP Address	Speed(Kbps)	Duplex	Description	Actions
GE1/0/1	Up	--	1000000	Full	GigabitEthernet1/0/1 Interface	[icon]
GE1/0/2	Up	--	1000000	Full	GigabitEthernet1/0/2 Interface	[icon]
GE1/0/3	Down	--	0	Auto	GigabitEthernet1/0/3 Interface	[icon]
GE1/0/4	Down	--	0	Auto	GigabitEthernet1/0/4 Interface	[icon]
GE1/0/5	Down	--	0	Auto	GigabitEthernet1/0/5 Interface	[icon]
GE1/0/6	Down	--	0	Auto	GigabitEthernet1/0/6 Interface	[icon]
GE1/0/7	Down	--	0	Auto	GigabitEthernet1/0/7 Interface	[icon]

At the bottom of the interface, the 'System View' button is circled '1'. The bottom right corner shows system status indicators: Access Points (0 green, 2 grey, 1 red), Clients (0), and Event Logs (0 red, 6 grey, 11 yellow, 10 blue).

(オプション) GE1/0/7をnatポートに設定するためにポートのlinkモードをrouteに変更

The screenshot shows the H3C WX1840H web management interface. The breadcrumb path is System > Network Configuration > Network Interfaces > Interfaces > Edit Interface. The 'Link mode' is set to 'Route' (1). A confirmation dialog is displayed with the message 'It will change the capabilities of the interface . Are you sure?' and the 'Yes' button is selected (2). The 'Apply' button is highlighted (3).

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

Link mode Bridge Route (1)

Combo Copper Fiber

Jumbo frame Disable

9216

BPDU interception Enable BPDU interception

EEE Enable EEE (2)

Flow control

Traffic suppression

Broadcast suppression (3)

Multicast suppression

Unknown unicast suppression

Confirm

It will change the capabilities of the interface . Are you sure?

Yes No

Apply (3) Cancel

System View Network View

Access Points: 0 OK, 2 Warning, 0 Error, 0 Critical
Clients: 0
Event Logs: 0 OK, 0 Warning, 0 Error, 6 Critical, 3 Info

(オプション) GE1/0/7をnatポートに設定するためにポートのモードをrouteに変更

```
#  
interface GigabitEthernet1/0/7  
  port link-type route  
#
```

(オプション) GE1/0/7をnatポートに設定する

The screenshot displays the H3C WX1840H web management interface. The left sidebar contains a navigation menu with the following items: Network Routing, Network Services (highlighted with a red box and circled '1'), IP Services, DHCP/DNS, Multicast, ARP, ND, NAT (highlighted with a red box and circled '2'), Management Protocols, Network Security, System, and Tools. The main content area shows the configuration path: System > Network Configuration > Network Services > NAT. Below this, there are tabs for Dynamic NAT, Static NAT, NAT Server, Dynamic NAT444, and Static NAT444. A search bar is present. A table with columns: Interface, Interface Description, ACL, Address Group..., Address Group..., VRF, Translation Mo..., Reversible, Port Preservat..., State, and Actions is shown. A red box and circled '3' highlights the '+' icon in the top left of the table area. The status bar at the bottom indicates 'Total 0 entries, 0 matched, 0 selected. Page 1 / 1.' and includes system view/network view buttons and status indicators for Access Points, Clients, and Event Logs.

Network Routing

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% 0 Clients 0 1 8 37 Event Logs

172.16.84.159/wnm/frame/index.php?sessionId=200001b862f7f7aa2ad708465f52fdd95cd4#

(オプション) 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 ***: GE1/0/7: GigabitEthernet1/0/7 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, and a status bar showing Access Points (0% up, 100% down, 0% error), Clients (0), and Event Logs (0 error, 1 warning, 12 info, 41 total).

(オプション) GE1/0/7がnatポートに設定された

The screenshot displays the H3C WX1840H configuration interface. The breadcrumb 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 table with one entry highlighted in red.

System > Network Configuration > Network Services > NAT

Network Services

NAT

Dynamic NAT Static NAT NAT Server Dynamic NAT444 Static NAT444

Search

<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	GigabitEthernet1/0/7 In...			EasyIP		PAT	No	No	Enabled	

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

System View Network View

Access Points 0% 100% 0% Clients 0 Event Logs 0 1 12 41

(オプション) GE1/0/7をnatポートに設定する

```
#  
interface GigabitEthernet1/0/7  
  port link-type route  
  nat outbound  
#
```

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** (highlighted with a red box and circled '2'), Wireless Networks, **AP Management** (highlighted with a red box and 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 (highlighted with a red box and circled '4'). Under the 'Basic Settings' section, the following configurations are visible: Region code is set to JAPAN(JP) (highlighted with a red box); Region code lock is ON; Software upgrade is ON; Auto AP is currently OFF (highlighted with a red box and circled '5'), with a red arrow pointing to an ON toggle and the text '※wlan auto-ap enable設定'; Auto AP conversion is currently OFF (highlighted with a red box and circled '6'), with a red arrow pointing to an ON toggle and the text '※wlan auto-persistent enable設定'. At the bottom of the interface, there are tabs for System View and **Network View** (highlighted with a red box and 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).

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)

```
#  
wlan auto-ap enable  
wlan auto-persistent enable  
#
```

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

方法1: CLIで一部を設定

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
[H3C] save force 設定を変更した都度設定を保存する
Saved the current configuration to mainboard device successfully.
[H3C]
```

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]
```

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

方法1: CLIで一部を設定

```
wlan ap-group default-group
region-code JP
vlan 1
ap-model WA6338-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
port link-type trunk
port trunk permit vlan all
port trunk pvid vlan 1
#
```

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

方法2: GUIとmap定義ファイルで一部を設定

H3C WX1840H Save

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

Actions: Dashboard, Quick Start, Monitoring, **Wireless Configuration**, Wireless Networks, **AP Management**, Wireless QoS, Wireless Security, Radio Management, Client Proximity Sensor, Applications, Network Security, System, Tools, Reporting

General | AC Backup | WLAN Service | **Map Files**

Group name: default-group (1-31 chars)

Description: (1-64 chars)

Region code: JAPAN(JP)

LED mode: Normal

AP model: WA6638-JP

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	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 0 Clients: 0 Event Logs: 0 1 29 101

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

方法2: GUIとmap定義ファイルで一部を設定

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 'Map Files' tab is selected, and the 'Local File' input field is highlighted with a red box and a circled '2'. The 'Wireless Configuration' and 'AP Management' menu items in the sidebar are also highlighted with red boxes. An 'Upload File' dialog box is open, showing a file selection prompt 'ファイルを選択' and a file name 'map.txt', with the 'Apply' button highlighted by a red box and a circled '4'. The status bar at the bottom shows 'Access Points' (2 green, 1 blue, 1 red, 0 white), 'Clients' (0), and 'Event Logs' (0 red, 4 white, 33 yellow, 240 blue).

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

方法2: GUIとmap定義ファイルで一部を設定

mapファイルの内容

flash:/map.txt

```
# make gigabit ethernet port to trunk
system-view
wlan ap-group default-group
  ap-model WA6638-JP
  gigabitethernet 1
    port link-type trunk
    port trunk permit vlan all
    port trunk pvid vlan 1
quit
```

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

方法2: GUIとmap定義ファイルで一部を設定

生成されたコンフィグ

```
wlan ap-group default-group
region-code JP
vlan 1
ap-model WA6638-JP
map-configuration flash:/map.txt
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
```

ap-groupのdefault-group(全てのAPのテンプレート)を設定します 方法2: GUIとmap定義ファイルで一部を設定

map定義は内部的に以下のように解釈されます (表示上は前頁)

```
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
  port link-type trunk
  port trunk permit vlan all
  port trunk pvid vlan 1
```

大量のAPの一括登録

APの情報を読み込むためのcsvテンプレートのダウンロード

The screenshot shows the H3C WX1840H management interface. The left sidebar contains navigation options: Actions, Dashboard, Quick Start, Monitoring, Wireless Configuration (selected), Wireless Networks, AP Management (highlighted), Wireless QoS, Wireless Security, Radio Management, Applications, Network Security, and System. The main content area is titled 'All Networks > Wireless Configuration > AP Management > AP'. It features tabs for 'AP', 'AP Groups', and 'AP Global Settings'. The 'AP Groups' section shows a search bar and a list of groups: 'AP Groups' and 'default-group (2)'. Below this is a table of AP entries with columns: Name, Installation Date, Description, AP Group, Type, Model, Serial ID, MAC Address, Radios, Status, and Actions. Two entries are visible, both with status 'Online'. A red box highlights the download icon in the toolbar above the table. At the bottom, there are status indicators for 'Access Points' (2 green, 0 red), 'Clients' (0), and 'Event Logs' (0 red, 4 yellow, 3 blue).

Name	Installation ...	Description...	AP Group	Type	Model	Serial ID	MAC Address	Radios	Status...	Actions
00dd-b6b1...	2021-11-12		default-group	Manual ...	WA6320...	Z19801A2Y...	00-DD-B6-B1-4...	802.11ax(5...	Online	[Icons]
00dd-b6b1...	2021-11-12		default-group	Manual AP	WA6320...	Z19801A2Y...	00-DD-B6-B1-7...	802.11ax(5...	Online	[Icons]

大量のAPの一括登録

APの情報が登録されたcsvテンプレートのアップロード

The screenshot displays the H3C WX1840H management interface. The left sidebar contains navigation menus such as Dashboard, Quick Start, Monitoring, Wireless Configuration, AP Management, and System. The main content area is titled 'All Networks > Wireless Configuration > AP Management > AP'. A modal dialog box titled 'AP Import' is open in the center. The dialog contains the following text and elements:

- Header: AP Import
- Text: ファイルを選択 Download...emplate.csv
- Button: Download CSV File Template
- List of instructions:
 - The size of the CSV file to import cannot exceed 512 KB.
 - During the import, please do not close or refresh the page.
 - To avoid import failure, strictly follow the requirements and format in the template.
- Footer: Apply (highlighted with a red box) and Cancel

The background interface shows a table of APs with columns for AP Name, Radios, Status, and Actions. The status of the APs is 'Online'. The bottom of the interface shows 'Total 2 entries, 2 matched, 0 selected. Page 1 / 1.' and navigation controls for 'Access Points', 'Clients', and 'Event Logs'.

大量のAPの一括登録

アップロードされたAPの情報はdefault-groupのメンバーとして登録されます

The screenshot displays the H3C WX1840H management interface. The left sidebar contains navigation menus for Actions, Dashboard, Quick Start, Monitoring, Wireless Configuration, Wireless Networks, AP Management (highlighted), Wireless QoS, Wireless Security, Radio Management, Applications, Network Security, and System. The main content area is titled 'All Networks > Wireless Configuration > AP Management > AP' and shows 'AP Groups' with a search bar and a list of APs. The 'default-group (2)' is selected in the left sidebar. The table below lists APs, with the 'default-group' column highlighted by a red box.

Name	Installation...	Description...	AP Group	Type	Model	Serial ID	MAC Address	Radios	Status...	Actions
00dd-b6b1...	2021-11-12		default-group	Manual ...	WA6320...	219801A2Y...	00-DD-B6-B1-4...	802.11ax(5...	Online	ⓘ ... 🗑️
00dd-b6b1...	2021-11-12		default-group	Manual AP	WA6320...	219801A2Y...	00-DD-B6-B1-7...	802.11ax(5...	Online	ⓘ ... 🗑️
ROOM-201	N/A		default-group	Manual AP	WA6320...	219801A29...	N/A	802.11ax(5...	Offline	ⓘ ... 🗑️
ROOM-202	N/A		default-group	Manual AP	WA6320...	219801A29...	N/A	802.11ax(5...	Offline	ⓘ ... 🗑️
ROOM-203	N/A		default-group	Manual AP	WA6320...	219801A29...	N/A	802.11ax(5...	Offline	ⓘ ... 🗑️
ROOM-204	N/A		default-group	Manual AP	WA6320...	219801A29...	N/A	802.11ax(5...	Offline	ⓘ ... 🗑️
ROOM-205	N/A		default-group	Manual AP	WA6320...	219801A29...	N/A	802.11ax(5...	Offline	ⓘ ... 🗑️
ROOM-206	N/A		default-group	Manual AP	WA6320...	219801A29...	N/A	802.11ax(5...	Offline	ⓘ ... 🗑️
ROOM-207	N/A		default-group	Manual AP	WA6320...	219801A29...	N/A	802.11ax(5...	Offline	ⓘ ... 🗑️
ROOM-208	N/A		default-group	Manual AP	WA6320...	219801A29...	N/A	802.11ax(5...	Offline	ⓘ ... 🗑️

Total 14 entries, 14 matched, 0 selected. Page 1 / 1.

System View Network View

Access Points: 2 Online, 0 Offline, 1 Warning, 1 Error, 0 Critical
Clients: 0
Event Logs: 1 Warning, 4 Error, 7 Critical, 1 Info

大量のAPの一括登録

読み込まれたAPのコンフィグ

wlan ap ROOM-201 model WA6320-JP

```
serial-id 219801A2959199G0001G
```

```
vlan 1
```

```
radio 1
```

```
radio 2
```

```
gigabitethernet 1
```

```
#
```

Wlan ap ROOM-202 model WA6320-JP

```
serial-id 219801A2959199G0001H
```

```
vlan 1
```

```
radio 1
```

```
radio 2
```

```
gigabitethernet 1
```

```
#
```

```
.....
```

wlan ap-group default-group

```
statistics-interval 50
```

```
region-code JP
```

```
vlan 1
```

```
radio 2.4g
```

```
radio 5g
```

```
radio 6g
```

ap-model WA6320-JP

```
radio 1
```

```
radio enable
```

```
service-template h3c-support vlan 1
```

```
radio 2
```

```
radio disable
```

```
gigabitethernet 1
```

```
port link-type trunk
```

```
port trunk permit vlan all
```

```
port trunk pvid vlan 1
```

ap-model WA6338

```
radio 1
```

```
radio enable
```

```
service-template h3c-support vlan 1
```

```
radio 2
```

```
radio disable
```

```
radio 3
```

```
radio disable
```

```
gigabitethernet 1
```

```
port link-type trunk
```

```
port trunk permit vlan all
```

```
port trunk pvid vlan 1
```

```
smartrate-ethernet 1
```

APグループの設定が
適用される

Default-groupに登録されたAPを他のAPグループへ移動

The screenshot displays the H3C WX1840H management interface. The left sidebar shows the navigation menu with 'Wireless Configuration' and 'AP Management' highlighted. The main content area shows the 'AP Groups' page with a table of APs. Three APs (ROOM-201, ROOM-202, ROOM-203) are selected. The 'Add AP to Group' button is highlighted, indicating the next step in the process.

1 AP Groups list: default-group (14)

Name	Installation...	Description...	AP Group	Type	Model	Serial ID	MAC Address	Radios	Status...	Actions
00dd-b6b1...	2021-11-12		default-group	Manual ...	WA6320...	219801A2Y...	00-DD-B6-B1-4...	802.11ax(5...	Online	⊗ ...
00dd-b6b1...	2021-11-12		default-group	Manual AP	WA6320...	219801A2Y...	00-DD-B6-B1-7...	802.11ax(5...	Online	⊗ ...
<input checked="" type="checkbox"/> ROOM-201	N/A		default-group	Manual AP	WA6320...	219801A29...	N/A	802.11ax(5...	Offline	⊗ ...
<input checked="" type="checkbox"/> ROOM-202	N/A		default-group	Manual AP	WA6320...	219801A29...	N/A	802.11ax(5...	Offline	⊗ ...
<input checked="" type="checkbox"/> ROOM-203	N/A		default-group	Manual AP	WA6320...	219801A29...	N/A	802.11ax(5...	Offline	⊗ ...
<input type="checkbox"/> ROOM-204	N/A		default-group	Manual AP	WA6320...	219801A29...	N/A	802.11ax(5...	Offline	⊗ ...
<input type="checkbox"/> ROOM-205	N/A		default-group	Manual AP	WA6320...	219801A29...	N/A	802.11ax(5...	Offline	⊗ ...
<input type="checkbox"/> ROOM-206	N/A		default-group	Manual AP	WA6320...	219801A29...	N/A	802.11ax(5...	Offline	⊗ ...
<input type="checkbox"/> ROOM-207	N/A		default-group	Manual AP	WA6320...	219801A29...	N/A	802.11ax(5...	Offline	⊗ ...
<input type="checkbox"/> ROOM-208	N/A		default-group	Manual AP	WA6320...	219801A29...	N/A	802.11ax(5...	Offline	⊗ ...

Total 14 entries, 14 matched, 3 selected. Page 1 / 1.

2 Selected APs: ROOM-201, ROOM-202, ROOM-203

3 **Add AP to Group** [Add AP to Group] は移動を意味します

Default-groupに登録されたAPを他のAPグループへ移動

H3C WX1840H Save

Actions

All Networks > Wireless Configuration > AP Management > AP > Add AP To Group

APs	AP Name	Current Group	MAC Address
	ROOM-201	default-group	N/A
	ROOM-202	default-group	N/A
	ROOM-203	default-group	N/A

AP group *

Select...

Apply

office-group ①

②

System View Network View

Access Points Clients Event Logs

2 12 0 0 0 4 7 60

Default-groupに登録されたAPが他のAPグループに移動された

The screenshot displays the H3C WX1840H management interface. The left sidebar contains navigation options, with 'Wireless Configuration' and 'AP Management' highlighted. The main content area shows the 'AP Groups' section, where 'office-group (3)' is selected. A table lists three APs under the 'office-group'.

Name	Installation ...	Description...	AP Group	Type	Model	Serial ID	MAC Address	Radios	Status...	Actions
ROOM-201	N/A		office-group	Manual AP	WA6320...	219801A29...	N/A	802.11ax(5...	Offlin	✎ ⋮ 🗑
ROOM-202	N/A		office-group	Manual AP	WA6320...	219801A29...	N/A	802.11ax(5...	Offlin	✎ ⋮ 🗑
ROOM-203	N/A		office-group	Manual AP	WA6320...	219801A29...	N/A	802.11ax(5...	Offlin	✎ ⋮ 🗑

Total 3 entries, 3 matched, 0 selected. Page 1 / 1.

System View Network View

Access Points: 2 (green), 12 (blue), 0 (red) | Clients: 0 | Event Logs: 0 (red), 4 (blue), 7 (yellow), 1 (blue)

Default-groupに登録されたAPがoffice-groupに移動された

wlan ap-group office-group

```
statistics-interval 50  
region-code JP  
vlan 1  
radio 2.4g  
radio 5g  
radio 6g
```

ap ROOM-201

ap ROOM-202

ap ROOM-203

ap-model WA6320-JP

```
radio 1  
radio enable  
service-template h3c-support vlan 1  
radio 2  
radio enable  
service-template h3c-support vlan 1  
gigabitethernet 1
```

wlan ap ROOM-201 model WA6320-JP

```
serial-id 219801A2959199G0001G  
vlan 1  
radio 1  
radio 2  
gigabitethernet 1
```

wlan ap ROOM-202 model WA6320-JP

```
serial-id 219801A2959199G0001H  
vlan 1  
radio 1  
radio 2  
gigabitethernet 1
```

wlan ap ROOM-203 model WA6320-JP

```
serial-id 219801A2959199G0001I  
vlan 1  
radio 1  
radio 2  
gigabitethernet 1
```

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 top navigation bar includes the H3C logo and the model number WX1840H. A red box labeled '1' highlights the 'Dashboard' option in the left sidebar. In the top right corner, a red box labeled '2' highlights the 'Save' button. A dropdown menu is open, with red boxes labeled '3' and '4' highlighting the 'Save' and 'Logout' options, respectively. The main content area shows system logs with 0 Emergency, 5 Critical, and 8 Warning alerts. Below this are charts for APs (1 online), System usage (0% CPU, 68% Memory), Wireless services, and Clients (0 quantity). The bottom status bar shows 1 Access Point, 0 Clients, and 5 Event Logs.

1

2

3

4

H3C WX1840H

Actions All Networks > Dashboard

Dashboard

Quick Start >

Monitoring >

Wireless Configuration >

Network Security >

System >

Tools >

Reporting >

System Logs

Emergency 0

Critical 5

Warning 8

APs

Online Offline Unhealthy

1

System usage

0% CPU

68% Memory

Serial ID: 219801A2KF8209E00068

Hardware: Ver.A

Boot ROM: 7.12

Software: 7.1.064, ESS 2442

Wireless services

2.4GHz 5GHz

SSID

f-kyoi...

fukuro...

f-kyo...

client number

Clients

Quantity

0

N/A

Interface traffic

System View Network View

Access Points 1 0 0

Clients 0

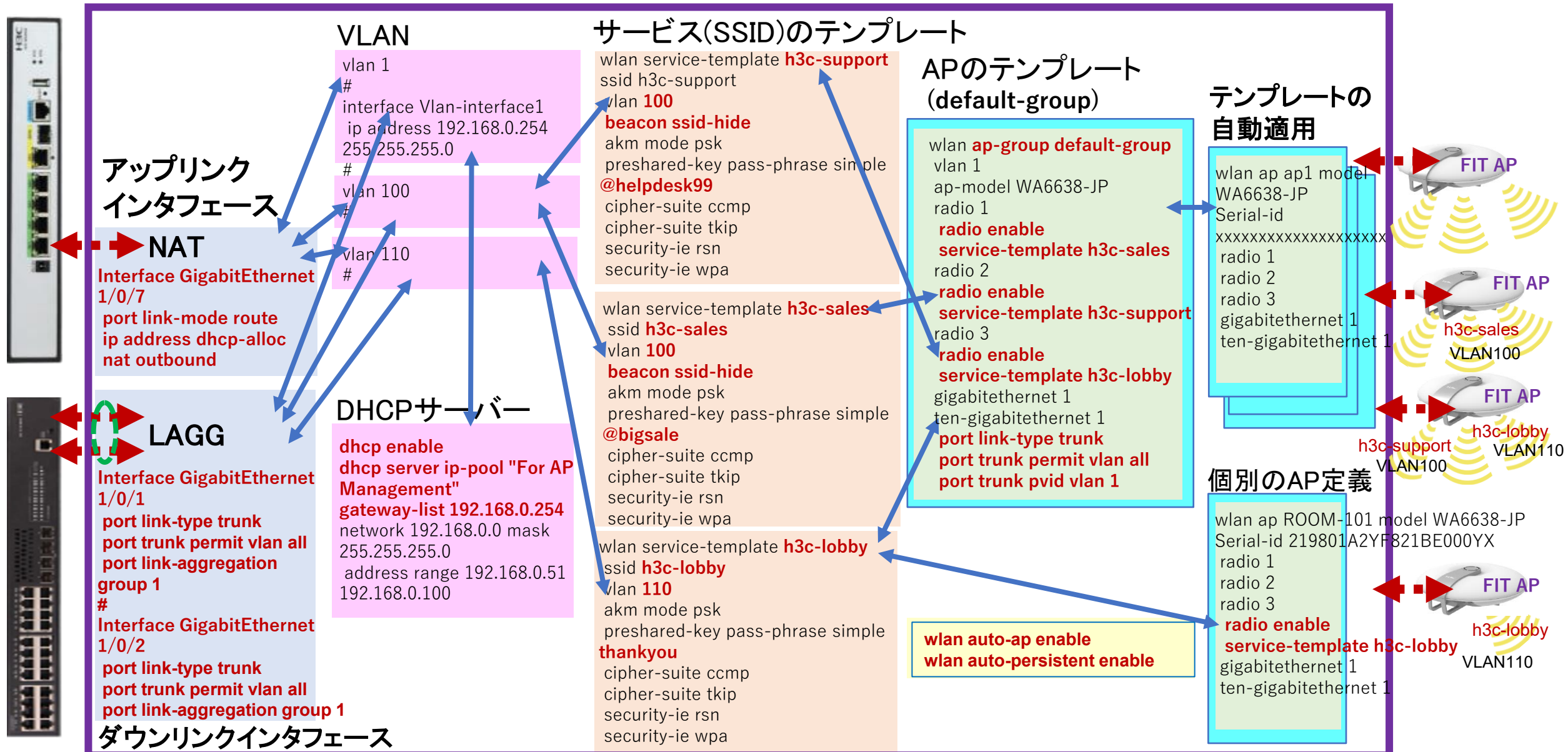
Event Logs 1 0 5 8 12

192.168.0.50/wnm/frame/index.php?sessionid=20000146350de2b50aaec29e5d8e4c3eae86#



- 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 エラー情報の取得
- 05 PoEスイッチの設定
- 06 マニュアルについて

ACの設定の概要



アップリンク
インタフェース

NAT
Interface GigabitEthernet
1/0/7
port link-mode route
ip address dhcp-alloc
nat outbound

LAGG
Interface GigabitEthernet
1/0/1
port link-type trunk
port trunk permit vlan all
port link-aggregation
group 1

Interface GigabitEthernet
1/0/2
port link-type trunk
port trunk permit vlan all
port link-aggregation group 1
ダウンリンクインタフェース

VLAN
vlan 1

interface Vlan-interface1
ip address 192.168.0.254
255 255.255.0

vlan 100

vlan 110
#

DHCPサーバー
dhcp enable
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

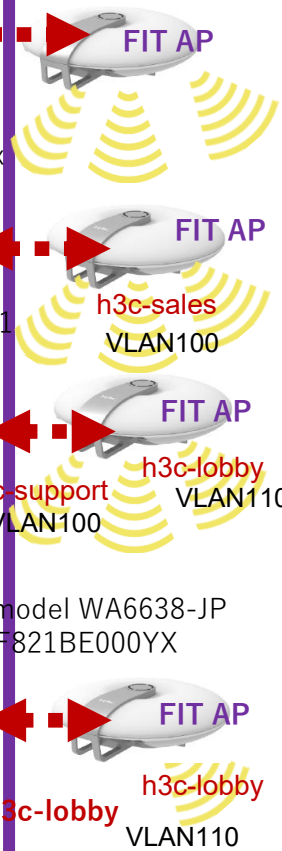
サービス(SSID)のテンプレート
wlan service-template **h3c-support**
ssid h3c-support
vlan **100**
beacon ssid-hide
akm mode psk
preshared-key pass-phrase simple
@helpdesk99
cipher-suite ccmp
cipher-suite tkip
security-protocol rsn
security-protocol wpa
wlan service-template **h3c-sales**
ssid **h3c-sales**
vlan **100**
beacon ssid-hide
akm mode psk
preshared-key pass-phrase simple
@bigsale
cipher-suite ccmp
cipher-suite tkip
security-protocol rsn
security-protocol wpa
wlan service-template **h3c-lobby**
ssid **h3c-lobby**
vlan **110**
akm mode psk
preshared-key pass-phrase simple
thankyou
cipher-suite ccmp
cipher-suite tkip
security-protocol rsn
security-protocol wpa

APのテンプレート (default-group)
wlan **ap-group default-group**
vlan 1
ap-model WA6638-JP
radio 1
radio enable
service-template h3c-sales
radio 2
radio enable
service-template h3c-support
radio 3
radio enable
service-template h3c-lobby
gigabitethernet 1
ten-gigabitethernet 1
port link-type trunk
port trunk permit vlan all
port trunk pvid vlan 1

wlan auto-ap enable
wlan auto-persistent enable

テンプレートの自動適用
wlan ap ap1 model
WA6638-JP
Serial-id
xxxxxxxxxxxxxxxxxxxxx
radio 1
radio 2
radio 3
gigabitethernet 1
ten-gigabitethernet 1

個別のAP定義
wlan ap ROOM-101 model WA6638-JP
Serial-id 219801A2YF821BE000YX
radio 1
radio 2
radio 3
radio enable
service-template h3c-lobby
gigabitethernet 1
ten-gigabitethernet 1



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 XXXXXXXXXXXXXXXXXXXXXX
vlan 1
radio 1
radio 2
radio 3
gigabitethernet 1
ten-gigabitethernet 1
#
wlan ap ROOM-101 model WA6638-JP
serial-id 219801A2YF821BE000YX
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
```



- 01 アクセスポイントをFITに設定する
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- 03 完成したコンフィグのコマンドでの確認
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- 06 マニュアルについて

イベントログを表示

System > Event Logsを選択します。

The screenshot displays the H3C WX1840H web management interface. The left sidebar contains a navigation menu with the following items: Actions, Dashboard, Network Configuration, Network Security, System, Event Logs, Resource, File Systems, License Management, Administrators, Management, and Tools. The 'System' and 'Event Logs' items are highlighted with red boxes and circled numbers 2 and 3 respectively. The main content area shows the 'System Logs' page, which includes a search bar, a refresh button, and a table of log entries. The table has columns for Time, Level, and Description. The log entries are as follows:

Time	Level	Description	Actions
2022-02-04 02:25:18	Notification	h3c failed to log in from 10.10.11.180.	...
2022-02-04 02:28:04	Informational	-Line=vty0-IPAddr=10.10.11.182-User=admin; Command is system-view	...
2022-02-04 02:28:04	Notification	admin logged in from 10.10.11.182.	...
2022-02-04 02:28:05	Notification	admin logged out from 10.10.11.182.	...
2022-02-04 02:28:05	Informational	-Line=vty0-IPAddr=10.10.11.182-User=admin; Command is quit	...
2022-02-04 02:28:05	Informational	-Line=vty0-IPAddr=10.10.11.182-User=admin; Command is quit	...
2022-02-04 02:28:05	Informational	-Line=vty0-IPAddr=10.10.11.182-User=admin; Command is display radius scheme	...
2022-02-04 02:30:18	Notification	h3c failed to log in from 10.10.11.180.	...
2022-02-04 02:35:18	Notification	h3c failed to log in from 10.10.11.180.	...

At the bottom of the interface, the 'System View' button is highlighted with a red box and circled number 1. The bottom status bar shows the following information: Access Points (100% green, 0% grey, 0% red), Clients (5), and Event Logs (0 red, 0 grey, 799 yellow, 225 blue).

エラーログをダウンロード

System > File SystemでファイルにチェックマークをいれDownloadを選択します。

The screenshot shows the H3C WX1840H File System Management interface. The left sidebar contains navigation options: Actions, Dashboard, Network Configuration, Network Security, System (highlighted with a red box and circled '2'), Event Logs, Resource, File Systems (highlighted with a red box and circled '3'), License Management, Administrators, Management, and Tools. The main content area displays 'File System Management' for the 'flash:' storage. It shows a table of files with columns for Name, Size(bytes), Time, Directory, and Actions. The file 'flash:/logfile/logfile.log' is selected with a checkmark (circled '4'). Below the table, there are 'Delete' and 'Download' buttons (the latter is circled '5'). The bottom status bar shows 'System View' (circled '1') and various system metrics.

File System Management

flash:

Total: 1073741824 bytes, Used: 383623168 bytes, Free: 690118656 bytes

Name	Size(bytes)	Time	Directory	Actions
<input checked="" type="checkbox"/> flash:/logfile/logfile.log	10485731	2022-02-06 15:57:27	No	🗑️
<input type="checkbox"/> flash:/map_config.cfg	913	2021-03-18 12:12:25	No	🗑️
<input type="checkbox"/> flash:/pdt_reserve		2022-02-05 16:32:40	Yes	🗑️
<input type="checkbox"/> flash:/pdt_reserve/cplog.txt	14778277	2022-02-05 16:32:40	No	🗑️
<input type="checkbox"/> flash:/pdt_reserve/cplog_reboot.txt	1800197	2021-12-03 16:46:37	No	🗑️
<input type="checkbox"/> flash:/pdt_reserve/dplog.txt	10887615	2022-02-05 16:32:58	No	🗑️
<input type="checkbox"/> flash:/pdt_reserve/dplog_reboot.txt	1476442	2021-12-03 16:46:39	No	🗑️

Total 49 entries, 49 matched, 1 selected. Page 1 / 1.

Delete Download

System View Network View

Access Points: 100% 0% 0% Clients: 5 Event Logs: 0 0 799 225

コンフィギュレーションファイル(startup.cfg)のダウンロード

System > File Systemでflash:/startup.cfgにチェックマークをいれDownloadを選択します。

The screenshot shows the H3C WX1840H File System Management interface. The breadcrumb navigation is System > System > File Systems > File System Management. The interface displays a table of files in the flash: directory. The file flash:/startup.cfg is selected, and the Download button is highlighted.

Name	Size(bytes)	Time	Directory	Actions
<input checked="" type="checkbox"/> flash:/startup.cfg	7598	2021-04-09 00:49:16	No	
<input type="checkbox"/> flash:/startup.mdb	196346	2021-04-09 00:49:16	No	
<input type="checkbox"/> flash:/startup2726641351479625.cfg	6191	2020-11-08 16:57:12	No	
<input type="checkbox"/> flash:/system.bin	91169792	2021-11-09 14:59:59	No	
<input type="checkbox"/> flash:/topology.db	0	2020-12-18 21:43:24	No	

Total 49 entries, 49 matched, 1 selected. Page 1 / 1.

Buttons: Delete, Download (5), System View (1), Network View

Summary: Access Points 100% (0%), Clients 5, Event Logs 0 (0%), 0 (0%), 799 (i) 225

Warning: この種類のファイルはコンピュータに損害を与える可能性があります。flash_startup.cfg のダウンロードを続けますか? (Save, Cancel)

診断ログを収集(display diagnostic-information)

Tools > Debug > Collectを選択します。ログはflash:/diag_AC_yyyymmdd-hhmmss.tar.gzに出力

The screenshot displays the H3C WX1840H web management interface. The breadcrumb navigation path is System > Tools > Debug > Diagnostics. The left sidebar contains a menu with the following items: Dashboard, Network Configuration, Network Security, System, Tools, Debug, Ping, and Tracert. The 'Tools' menu item is highlighted with a red box and a circled '2'. The 'Debug' menu item is highlighted with a red box and a circled '3'. The 'Diagnostics' page has a 'Collect' button highlighted with a red box and a circled '4'. A modal dialog box is open in the center of the screen with the text 'Please wait...' and 'Collecting diagnostic information...'. At the bottom of the interface, there are two tabs: 'System View' (highlighted with a red box and a circled '1') and 'Network View'. The bottom right corner shows system status indicators: Access Points (100% green, 0% grey, 0% red), Clients (5), and Event Logs (0 red, 0 grey, 800 yellow, 224 blue).

収集した診断ログをダウンロードする

System > File Systemsでflash:/diag_AC_yyyymmdd-hhmmss.tar.gzをチェックしDownloadを選択

The screenshot displays the H3C WX1840H File System Management interface. The left sidebar contains navigation options: Actions, Dashboard, Network Configuration, Network Security, System (highlighted with a red box and circled '2'), Event Logs, Resource, File Systems (highlighted with a red box and circled '3'), License Management, Administrators, and Management. The main content area shows the 'File System Management' page for the 'flash:' storage. A table lists files with columns for Name, Size(bytes), Time, Directory, and Actions. The file 'flash:/diag_AC_20220206-155614.tar.gz' is selected (checkbox checked, circled '4'). Below the table, the 'Download' button is highlighted with a red box and circled '5'. At the bottom, the 'System View' button is highlighted with a red box and circled '1'. The status bar at the bottom right shows 'Access Points' (100% green, 0% grey, 0% red), 'Clients' (5), and 'Event Logs' (0 red, 0 grey, 801 yellow, 223 blue). A file browser window at the bottom shows 'flash__diag_AC_2...tar.gz'.

Name	Size(bytes)	Time	Directory	Actions
<input checked="" type="checkbox"/> flash:/diag_AC_20220206-155614.tar.gz	208655	2022-02-06 15:57:31	No	
<input type="checkbox"/> flash:/diagfile		2019-11-05 22:01:41	Yes	
<input type="checkbox"/> flash:/facebook.zip	262878	2021-12-11 16:30:23	No	
<input type="checkbox"/> flash:/freeradius.bin	1463296	2021-04-08 23:45:29	No	
<input type="checkbox"/> flash:/h3cjapan.zip	190739	2021-09-08 11:34:54	No	

(オプション)ACをリブートする

System > Management > Reboot > Reboot Deviceを選択します。

The screenshot displays the H3C WX1840H management interface. The breadcrumb navigation path is System > System > Management > Reboot. The 'Reboot' tab is selected and highlighted with a red box and the number 4. The 'Reboot Device' button is highlighted with a red box and the number 5. The left sidebar menu has 'System' (numbered 2) and 'Management' (numbered 3) highlighted with red boxes. At the bottom, the 'System View' tab is highlighted with a red box and the number 1. The bottom status bar shows 'Access Points' at 100%, 'Clients' at 5, and 'Event Logs' at 799.

System > System > Management > Reboot

Settings Configuration Upgrade **Reboot** About

Reboot Device 5

2 System

3 Management

1 System View Network View

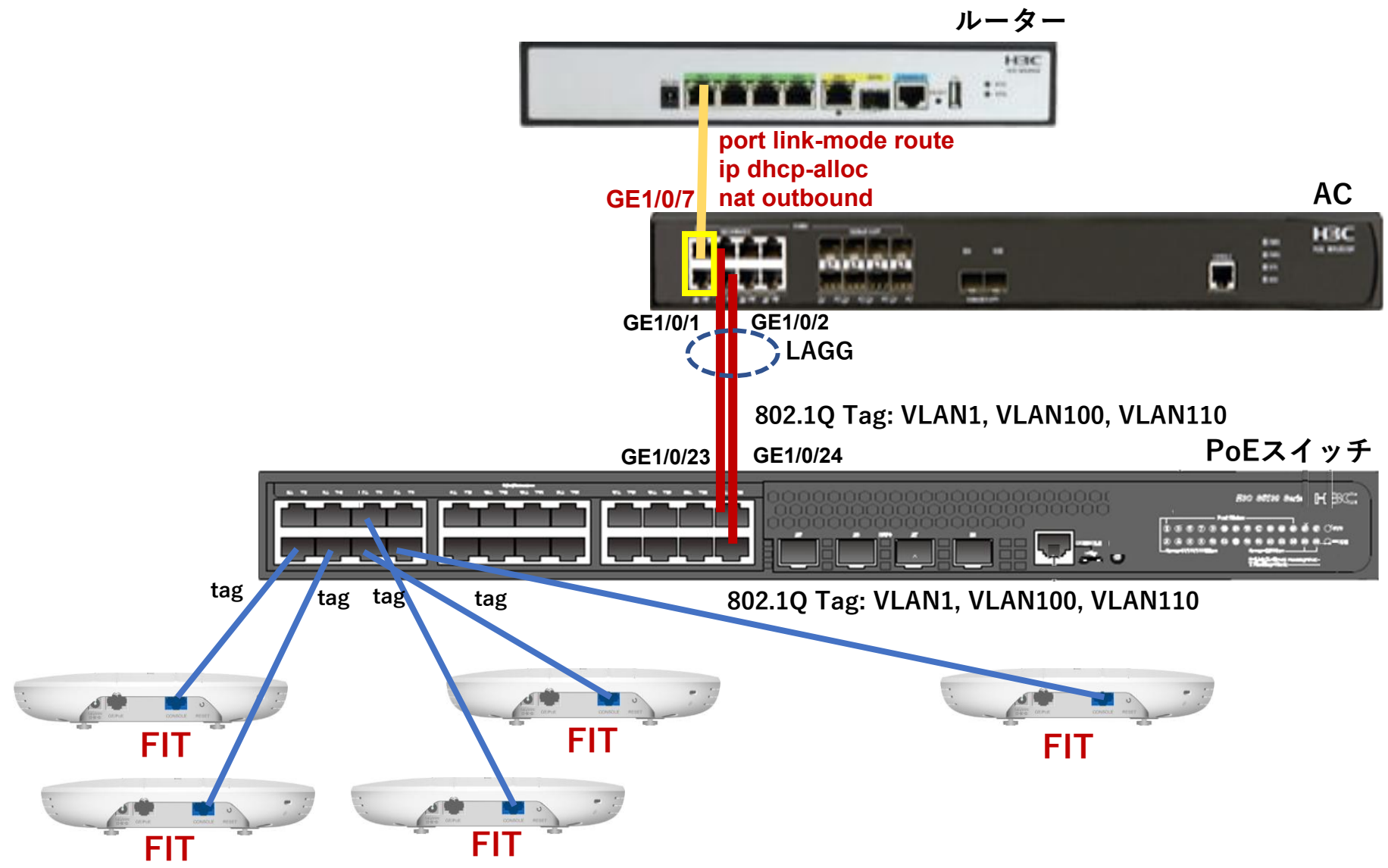
Access Points 100% 0% 0% Clients 5 Event Logs 0 0 799 225

https://oasiscloud.h3c.com:27443/wnm/frame/index.php?sessionid=2000014ea25bdf4f36a16e8a...



- 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 エラー情報の取得
- 05 PoEスイッチの設定
- 06 マニュアルについて

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]

```



- 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 エラー情報の取得
- 05 PoEスイッチの設定
- 06 マニュアルについて

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

無線関連の日本語マニュアル、FAQなど

- ・構築のための事前調査

★ [H3C WLAN構築のための調査の運用](#)

- ・トラブルシューティング

★ [H3C 初級WiFi トラブルシューティングガイド](#)

[H3C Wireless製品導入と保守ガイド](#)

★ [H3Cワイヤレス製品トラブルシューティングガイド](#)

[WLAN製品管理とトラブルシューティング](#)

[ワイヤレスに共通の問題点での情報収集ガイド](#)

[ワイヤレスクライアント接続失敗トラブルシューティング_V7](#)

- ・FAQ

[APから電波が出ていない？](#)

[無線一般のよくある質問](#)

[H3Cワイヤレス製品テーマ別FAQ\(V7\)](#)

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 ① 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 ②
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

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H3C WA530 Access Point

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Technical Documents

[Trending](#)[Install](#)[Command](#) →[Configure](#)[Maintain](#)

Command References

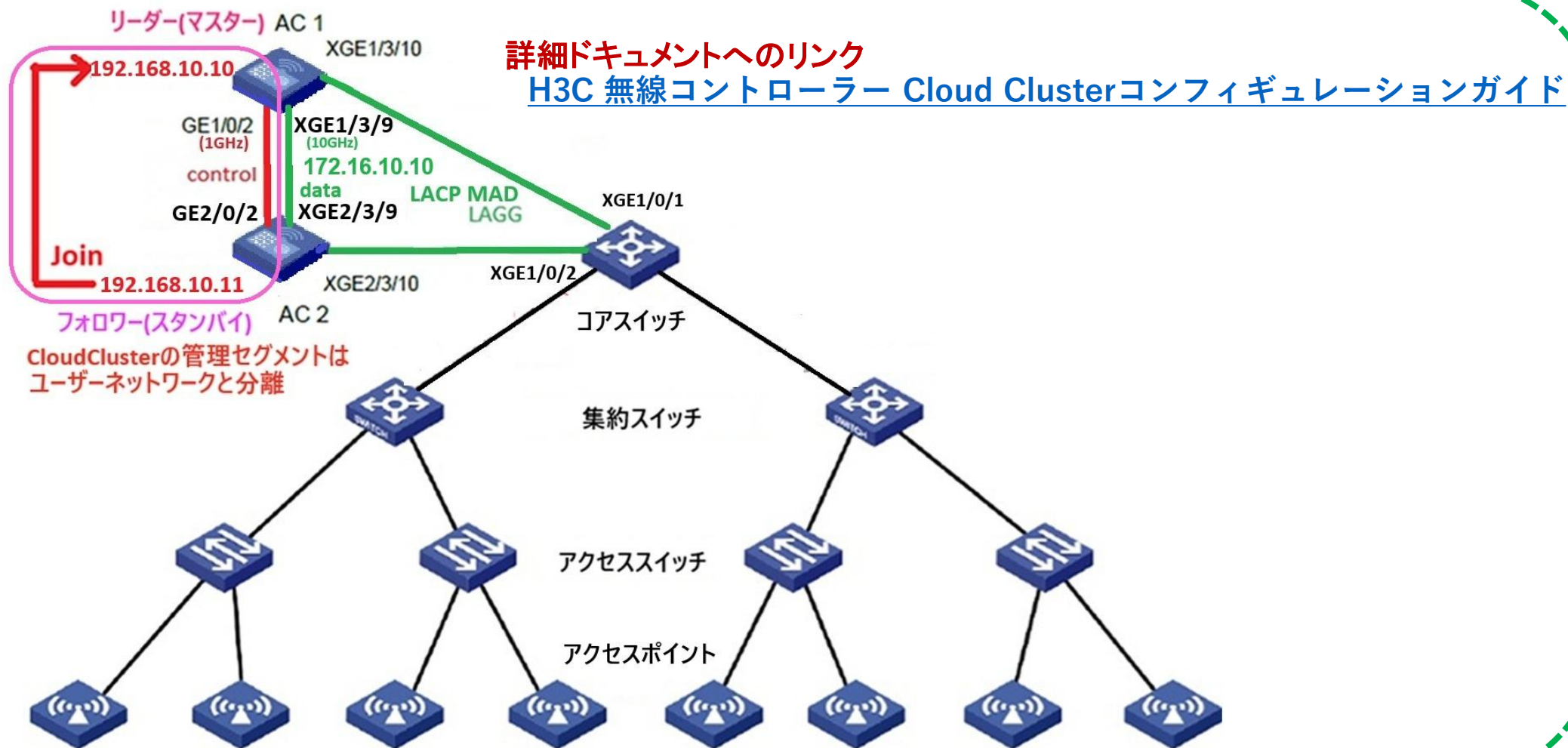
Title	Date
H3C Access Controllers Command References(R5426P02)-6W103	10-12-2020
→ 00-About the H3C command references	
→ 01-License Management Command Reference	
→ 02-Fundamentals Command Reference	
→ 03-System Management Command Reference	
→ 04-Interface Command Reference	
→ 05-Network Connectivity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



補足資料 Cloud Cluster(冗長化)

アクセスポイントの動作モードの違い

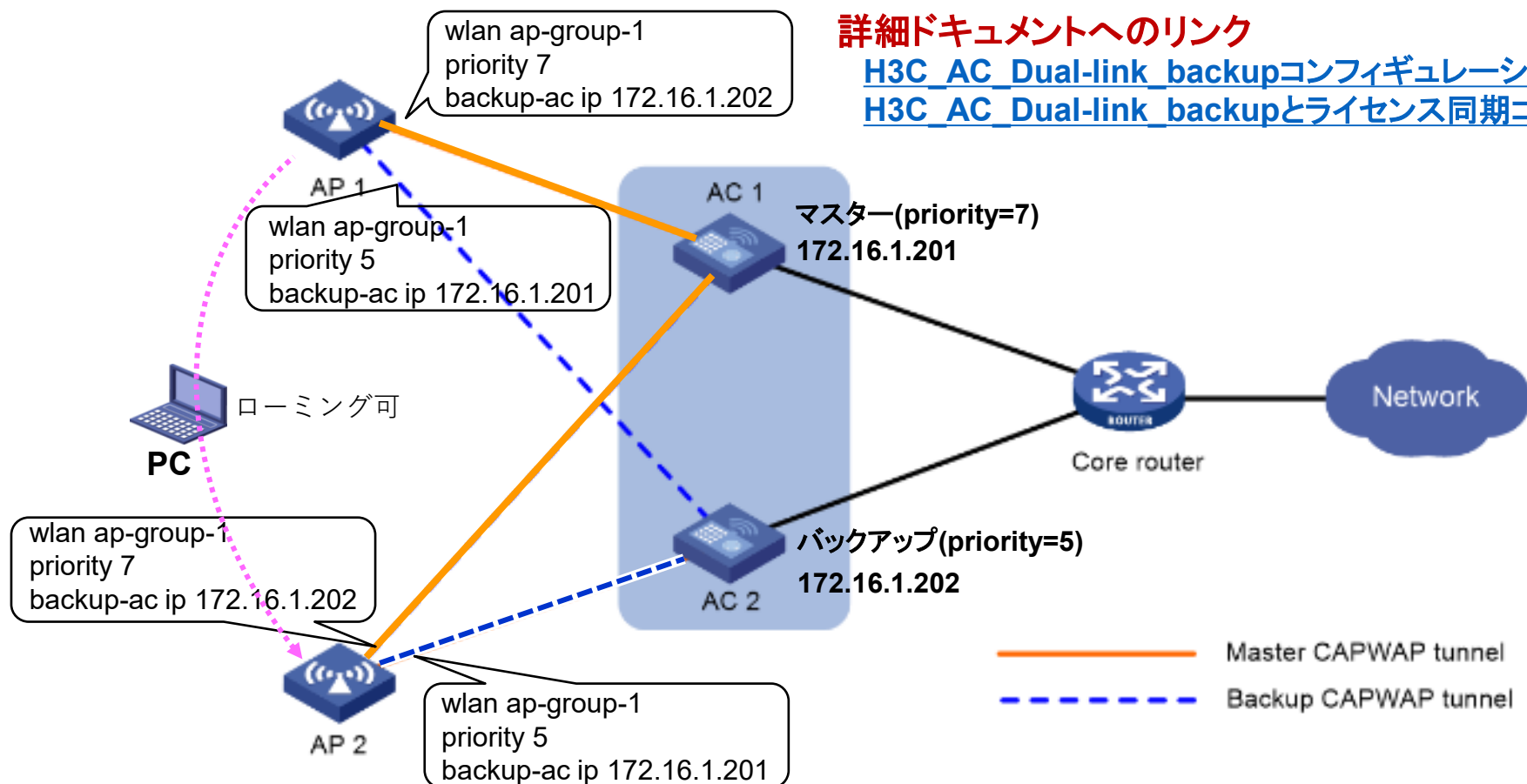
AC: 冗長化(Cloud cluster)





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



補足資料
冗長化
Intelligent Resilient
Framework(IRF)

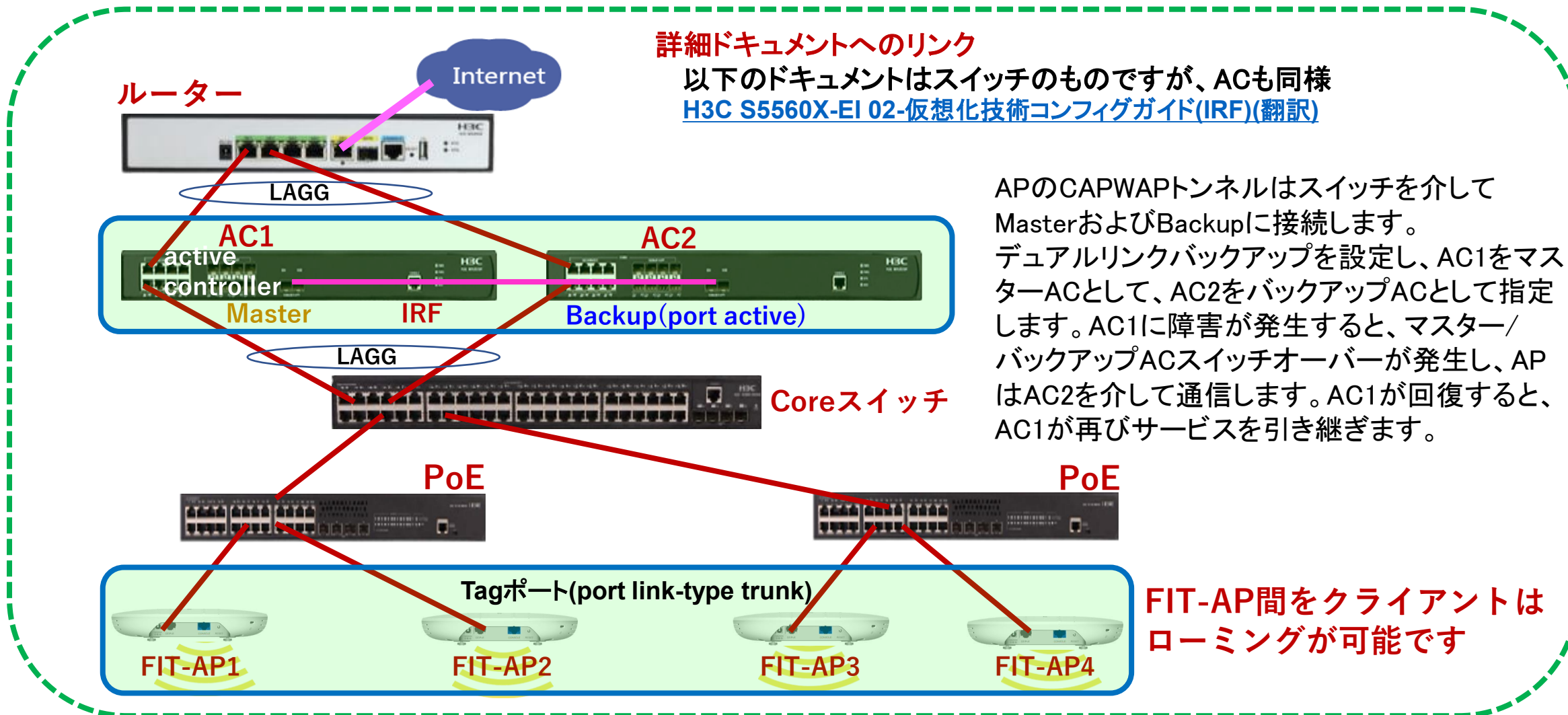
冗長化(IRF:1+nの冗長化)

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



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