

HƯỚNG DẪN CẤU HÌNH ARUBA CONTROLLER

1) Tạo WLAN SSID

The screenshot shows the Aruba Mobility Controller web interface. At the top, the Aruba logo is on the left, and 'MOBILITY CONTROLLER aruba-controller' is in the center. On the right, there are status indicators for 'ACCESS POINTS' (0), 'CLIENTS' (0), and 'ALERTS' (0). Below this is a navigation bar with 'Mobility Controller >'. A sidebar on the left lists 'Dashboard', 'Configuration' (with sub-items: WLANs, Roles & Policies, Access Points, AP Groups, Authentication, Services, Interfaces, System), 'Tasks', 'License', and 'Redundancy'. The main content area is titled 'New WLAN' and features a progress bar with four steps: 'General' (selected), 'VLANs', 'Security', and 'Access'. The 'General' tab contains the following configuration fields: 'Name (SSID):' with a text box containing 'ARUBA_NEW'; 'Primary usage:' with radio buttons for 'Employee' and 'Guest' (selected); 'Broadcast on:' with a dropdown menu set to 'All APs'; and 'Forwarding mode:' with a dropdown menu set to 'Tunnel'. At the bottom right of the main area are 'Cancel' and 'Back' buttons.

This screenshot shows the same Aruba Mobility Controller web interface, but with the 'VLANs' tab selected in the 'New WLAN' configuration. The progress bar now has 'General' and 'VLANs' selected. The 'VLANs' tab contains a 'VLAN:' dropdown menu set to '1' and a blue link labeled 'Show VLAN details'. The 'Cancel' and 'Back' buttons remain at the bottom right.

2) Cấu hình radius server

Auth Server 1 : 45.118.139.111 port 1812 shared secret : testing123

Auth Server 2 : 45.118.139.112 port 1812 shared secret : testing123

3) Cấu hình Captive portal

Host : sp.jwifi.vn

Page : /aruba

The screenshot shows the Aruba Mobility Controller web interface. The main content area is titled "New WLAN" and has a progress bar with four steps: General, VLANs, Security, and Access. The "Captive Portal Options" section is expanded, showing a list of options:

- ClearPass or other external Captive Portal
- Internal Captive Portal with authentication
- Internal Captive Portal with email registration
- Internal Captive Portal, no auth or registration
- No Captive Portal

The "Internal Captive Portal, no auth or registration" option is selected. The configuration form for this option includes:

- Auth servers: A list with one entry "45.118..." and a "+" button to add more.
- Host addressing: IPv4 IPv6
- Host:
- Page:
- Redirect URL:
- Use purple wi-fi:

At the bottom right of the form, there are "Cancel" and "Back" buttons.

4) Cấu hình Walled garden

The screenshot shows the Aruba Mobility Controller web interface. The top navigation bar includes 'ACCESS POINTS' (0), 'CLIENTS' (0), and 'ALERTS' (0). The left sidebar shows the 'Configuration' menu with 'Roles & Policies' selected. The main content area is titled 'Aliases' and contains a 'Network Aliases' table. The table has columns for NAME, ITEMS, DESCRIPTION, IP VERSION, and INVERT. The entry 'aruba_new_cppm_prof' is highlighted in orange. Below the table, there is a 'Destination aruba_new_cppm_prof' section with fields for IP version (IPv4), Description, and Invert. An 'Items' table below shows two entries: 'name' with IP address 'sp.jwifi.vn' and 'network' with IP address '45.118.139.96' and netmask '255.255.255.224'.

NAME	ITEMS	DESCRIPTION	IP VERSION	INVERT
auth-google	2	--	IPv4	--
auth-facebook	3	--	IPv4	--
wificalling-block	2	--	IPv4	--
aruba_ads_cppm_prof	2	--	IPv4	--
aruba_new_cppm_prof	2	--	IPv4	--
controller6	1	--	IPv6	--
ipv6-reserved-range	1	--	IPv6	<input checked="" type="checkbox"/>

TYPE	IP ADDRESS	NETMASK/RANGE/OFFSET
name	sp.jwifi.vn	--
network	45.118.139.96	255.255.255.224

Thêm vào các url bên dưới vào walled garden

sp.jwifi.vn

ads.jwifi.vn

media.jwifi.vn

45.118.139.96/27

The screenshot shows the Aruba Mobility Controller web interface for L2 Authentication configuration. The top navigation bar shows 'ACCESS POINTS' (0), 'CLIENTS' (0), and 'ALERTS' (0). The left sidebar shows 'Authentication' selected. The main content area is titled 'L2 Authentication' and contains a list of authentication methods: 802.1X Authentication, MAC Authentication, 'default' (highlighted in orange), and Stateful 802.1X Authentication. To the right, the 'MAC Authentication Profile: default' configuration is shown with fields for Delimiter (dash), Case (upper), Max Authentication failures (0), Reauthentication (checkbox), Reauthentication Interval (86400), and Use Server provided Reauthentication Interval (checkbox). 'Cancel', 'Submit', and 'Submit' buttons are visible at the bottom.

Login page : <http://sp.jwifi.vn/aruba>

Welcome page : <http://sp.jwifi.vn/redirect/aruba>

The screenshot shows the Aruba Mobility Controller configuration interface for L3 Authentication. The left sidebar contains a navigation menu with categories like WLANs, Roles & Policies, Access Points, AP Groups, Authentication, Services, Interfaces, System, Tasks, Redundancy, IoT, Diagnostics, and Maintenance. The main content area is titled 'L3 Authentication' and 'Captive Portal Authentication Profile: ARUBA_NEW_cppm_prof'. It includes fields for Default Role (set to 'guest'), Default Guest Role (set to 'guest'), Redirect Pause (10 sec), User Login (checked), Guest Login (checked), Logon wait minimum wait (5 sec), Logon wait maximum wait (10 sec), Logon wait CPU utilization threshold (60%), Max Authentication failures (0), Show FQDN (unchecked), Authentication Protocol (RADIUS), Login page (http://sp.jwifi.vn/aruba), Welcome page (http://sp.jwifi.vn/aruba), Show Welcome Page (unchecked), Proxy Server Configuration (Address and Port fields), and a list of Add switch IP address in the redirection URL (checked), Adding user vlan in redirection URL (checked), Adding APs MAC address in redirection URL (checked), and Add a controller interface in the redirection URL (unchecked). A 'WHITE LIST' section contains 'aruba_new_cppm_prof'. The bottom right has 'Cancel' and 'Submit' buttons.

The screenshot shows the Aruba Mobility Controller configuration interface for AAA Profiles. The left sidebar is the same as in the previous screenshot. The main content area is titled 'AAA Profiles' and 'Server Group: ARUBA_NEW_dot1_svg'. It shows a list of AAA Profiles including AAA, ARUBA_MEMBER_aaa_pro..., ARUBA_NEW_aaa_prof, 802.1X Authentication, 802.1X Authentication Server Group, MAC Authentication, MAC Authentication Server Group (highlighted), RADIUS Accounting Server Group, and RFC 3576 server. The 'Server Group: ARUBA_NEW_dot1_svg' configuration shows 'Server Group' set to 'ARUBA_NEW_dot1_svg', 'Fail Through' (unchecked), and 'Load Balance' (unchecked). The bottom right has 'Cancel' and 'Submit' buttons.