

Wi-Fi AP Authentication Aruba Configuration

<https://campus.barracuda.com/doc/48203018/>

To authenticate users connected to Aruba access points, you must stream the syslog containing the authentication data to the Barracuda NextGen Firewall F-Series.

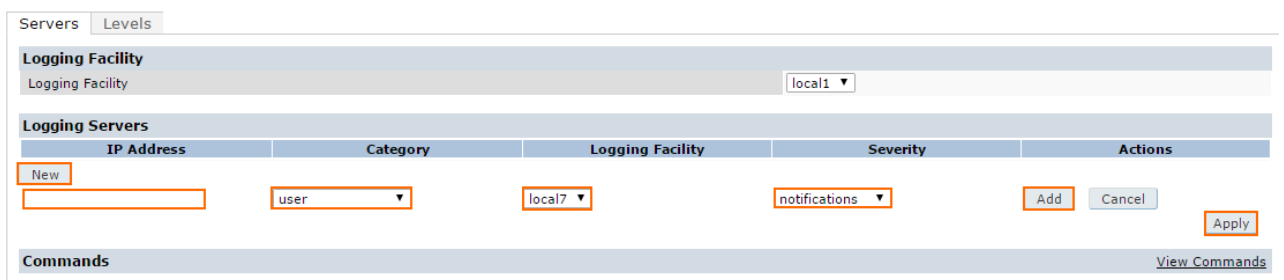
Reference devices/versions:

- Aruba Controller 651 Version 6.4.1.0
- Aruba AP 105
- Aruba Instant

Enable syslog streaming on the Aruba AP

1. Log into the Aruba Mobility Controller.
2. Click the **Configuration** tab.
3. In the **MANAGEMENT** section of the left menu, click **Logging**.
4. In the **Logging Servers** section, click **New**:
 - **IP Address** – Enter the management IP address of the Barracuda NextGen Firewall F-Series.
 - **Category** – Select **user**.
 - **Logging Facility** – Select the logging facility to be able to differentiate between multiple Aruba APs.
 - **Severity** – Select **notifications**.
5. Click **Add**.
6. Click **Apply**

Management > Logging Servers



The screenshot shows the 'Logging Servers' configuration page. At the top, there are tabs for 'Servers' and 'Levels'. Below this, the 'Logging Facility' section has a dropdown menu set to 'local1'. The 'Logging Servers' section contains a table with columns: IP Address, Category, Logging Facility, Severity, and Actions. A 'New' button is next to the table. Below the table, there are input fields for IP Address, a dropdown for Category (set to 'user'), a dropdown for Logging Facility (set to 'local7'), and a dropdown for Severity (set to 'notifications'). There are 'Add', 'Cancel', and 'Apply' buttons. At the bottom, there is a 'Commands' section with a 'View Commands' link.

IP Address	Category	Logging Facility	Severity	Actions
<input type="text"/>	user	local7	notifications	Add Cancel Apply

7. Click the **Levels** tab.
8. Set the **Logging Levels** in the **User logs** section to **notifications**.

<input type="checkbox"/>	User logs	notifications
<input type="checkbox"/>	all	notifications
<input type="checkbox"/>	captive-portal	notifications
<input type="checkbox"/>	vpn	notifications
<input type="checkbox"/>	dot1x	notifications
<input type="checkbox"/>	radius	notifications
<input type="checkbox"/>	voice	notifications
<input type="checkbox"/>	client-match	notifications
<input type="checkbox"/>	mapc	notifications
<input type="checkbox"/>	pan	notifications

9. Click **Apply**.

Verify that the Barracuda NextGen Firewall F-Series is receiving the syslog data

On the Barracuda NextGen Firewall F-Series, go to **LOGS** and open **Box > Control > AuthService_wifiap.log**. After successfully authenticating, you will see a `logged in user <username> with IP <IP address>` line in the log. The Wi-Fi access point name is also listed.

Box\Control\AuthService_wifiap < new Log >

Select Log File

Time	Type	TZ	Message
2015 09 23 11:00:02	Info	+02:00	[config] protocol: udp
2015 09 23 11:00:02	Info	+02:00	[config] model: aerohive
2015 09 23 11:00:02	Info	+02:00	[config] source-ip: 192.168.0.37
2015 09 23 11:00:02	Info	+02:00	[config] protocol: udp
2015 09 23 11:00:02	Info	+02:00	[config] model: aruba
2015 09 23 11:00:02	Info	+02:00	[config] source-ip: 10.17.133.103
2015 09 23 11:00:02	Info	+02:00	[config] protocol: udp
2015 09 23 11:00:03	Info	+02:00	[main] listening on udp 10.17.133.1:514
2015 09 23 11:00:03	Info	+02:00	[main] listening on tcp 10.17.133.1:514
2015 09 23 11:00:03	Info	+02:00	[main] listening on ssl 10.17.133.1:6514
2015 09 23 11:00:03	Info	+02:00	[main] listening on udp 10.17.76.133:514
2015 09 23 11:00:03	Info	+02:00	[main] listening on tcp 10.17.76.133:514
2015 09 23 11:00:03	Info	+02:00	[main] listening on ssl 10.17.76.133:6514
2015 09 23 11:00:03	Info	+02:00	[main] listening on udp 192.168.0.1:514
2015 09 23 11:00:03	Info	+02:00	[main] listening on tcp 192.168.0.1:514
2015 09 23 11:00:03	Info	+02:00	[main] listening on ssl 192.168.0.1:6514
2015 09 23 11:00:33	Info	+02:00	[auth] udp:10.17.133.103 (type aruba): logged in user user2 with IP 172.17.70.32

Figures

1. aruba01.png
2. aruba_03.png
3. aruba_Logs.png

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