

## Wi-Fi AP Authentication Aruba Configuration

<https://campus.barracuda.com/doc/53248796/>

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

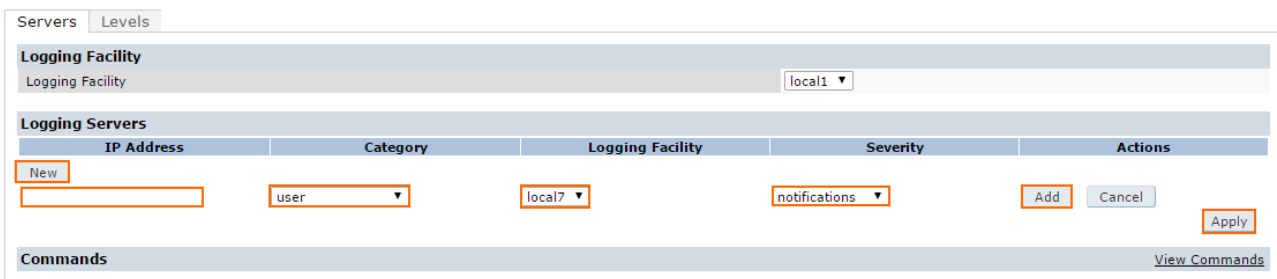
### Reference Devices/Versions:

- 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 is a 'Logging Facility' section with a dropdown menu set to 'local1'. The main area is a table with columns: 'IP Address', 'Category', 'Logging Facility', 'Severity', and 'Actions'. A 'New' button is next to the table. A row is being added with an empty IP address field, a dropdown set to 'user', a dropdown set to 'local7', a dropdown set to 'notifications', and 'Add' and 'Cancel' buttons. An 'Apply' button is at the bottom right. A 'Commands' section at the bottom has a 'View Commands' link.

IP Address	Category	Logging Facility	Severity	Actions
	user	local7	notifications	Add Cancel

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 Firewall 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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