

## WiFi AP Authentication Aerohive Configuration

<https://campus.barracuda.com/doc/44435920/>

To authenticate users connected to Aerohive access points, you must stream the syslog containing the authentication data to the Barracuda NG Firewall.

### Reference Devices/Versions:

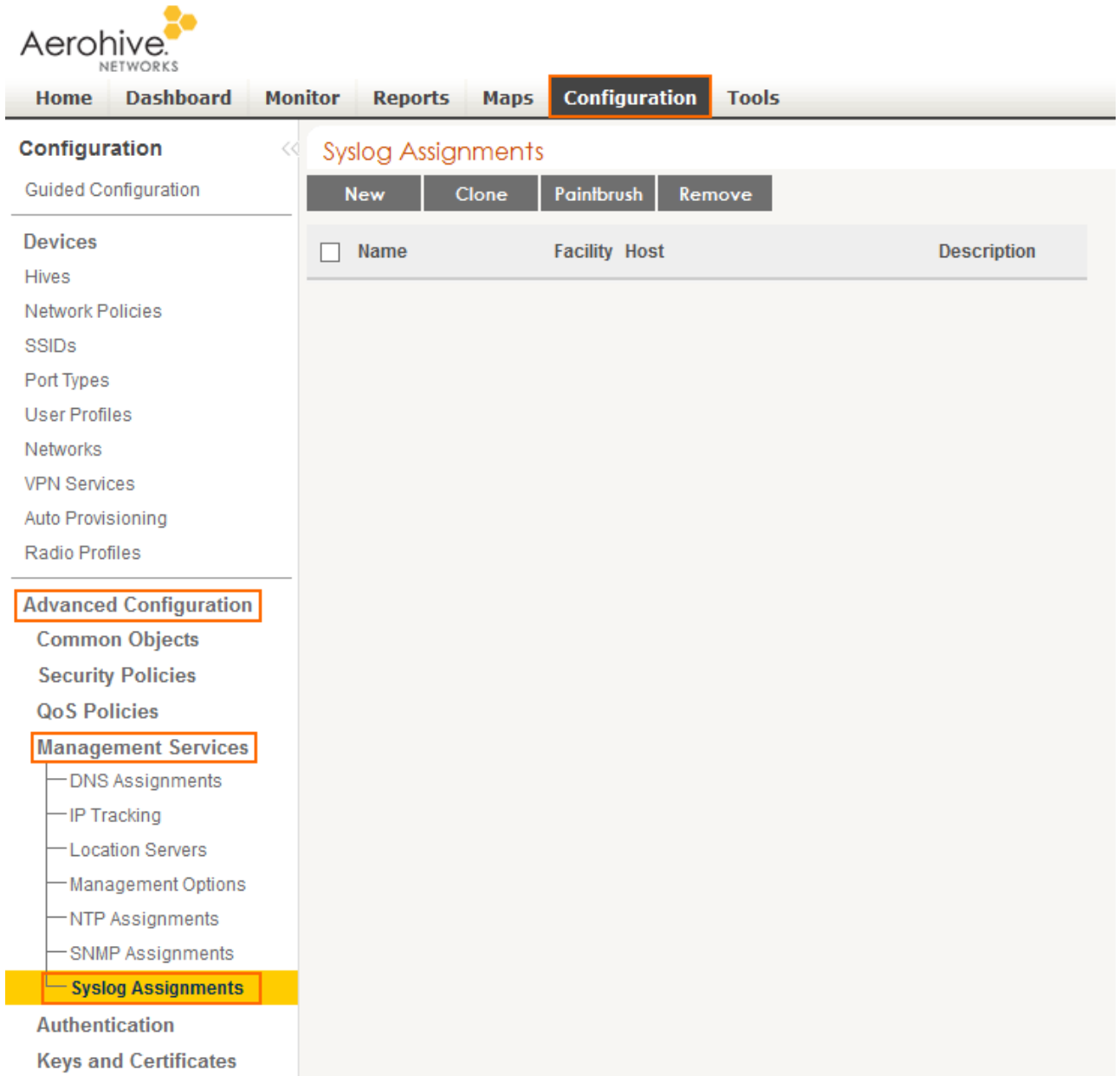
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- Aerohive AP230 802.11ac Wireless AP Version 6.4r1a
- Aerohive Networks HiveManager Online 6.4r1

### Enable Syslog Streaming on the Aerohive AP

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1. Log into the Aerohive Networks HiveManager.
2. Go to **Configuration > Advanced Configuration > Management Services > Syslog Assignments**.



The screenshot shows the Aerohive Networks web interface. The top navigation bar includes Home, Dashboard, Monitor, Reports, Maps, Configuration (highlighted), and Tools. The left sidebar lists various configuration categories, with 'Advanced Configuration' and 'Management Services' highlighted. Under 'Management Services', 'Syslog Assignments' is highlighted in yellow. The main content area displays the 'Syslog Assignments' page, which includes a table with columns for Name, Facility Host, and Description. Above the table are buttons for New, Clone, Painbrush, and Remove.

3. Click **New** and configure syslog streaming:
  - **Syslog Server** - Select the IP address of the Barracuda NG Firewall from the dropdown.
  - **Severity** - Select **Info** from the dropdown.
4. Click **Apply**.
5. Click **Save**.

Syslog Assignments > **New**

**Save** **Cancel**

Name\*  (1-32 characters)

Facility  ▼

Description  (0-64 characters)

Syslog servers are on the same internal network as the reporting Aerohive devices (for PCI DSS compliance)

**Apply** **Remove** **Cancel**

<input type="checkbox"/> Syslog Server	Severity	Description
<input type="text" value="192.168.0.1"/> ▼ + ✎	<input type="text" value="Info"/> ▼	<input type="text" value="Barracuda NG Firewall"/> (0-64 characters)

### Add Syslog Configuration to Network Policy

Add the syslog configuration to the **Network Policy** you are using for your access points.

Network Configuration

**1 - Configure Network Policy - NGFirewall-Test001**

**2 - Configure Interfaces and User Access**

**Additional Settings** **Cancel** **Save**

Hive\*  ▼ + ✎

- Traffic Filter Settings
- Service Settings
- Management Server Settings
  - Server Assignment
 

SNMP Server	<input type="text" value="def-service-snmp"/> ▼ + ✎	DNS Server	<input type="text" value="Barracuda"/> ▼ + ✎
Syslog Server	<input type="text" value="NGFirewall"/> ▼ + ✎	NTP Server	<input type="text" value="Barracuda"/> ▼ + ✎
Location Server	<input type="text"/> ▼ + ✎		
- QoS Settings
- Statistics Collection Settings

**3 - Configure and Update Devices**

## Verify that the Barracuda NG Firewall is receiving the Syslog Data

On the Barracuda NG Firewall, go to **LOGS** and open the **Box > Control > AuthService\_wifiap.log**. After a successful authentication, you will see a logged in user with IP line in the log. The WiFi access point name is also listed.

Box\Control\AuthService\_wifiap <new Log>

Select Log File

Time	Type	TZ	Message
2015 04 08 16:41:51	Info	+02:00	[config] reloading configuration
2015 04 08 16:41:51	Info	+02:00	[config] setting maximum login time to 0 hours
2015 04 08 16:41:51	Info	+02:00	[config] setting UDP listen port to 514
2015 04 08 16:41:51	Info	+02:00	[config] setting TCP listen port to 514
2015 04 08 16:41:51	Info	+02:00	[config] setting SSL listen port to 6514
2015 04 08 16:41:51	Info	+02:00	[config] model: aerohive
2015 04 08 16:41:51	Info	+02:00	[config] source-ip: 10.17.76.10
2015 04 08 16:41:51	Info	+02:00	[config] protocol: udp
2015 04 08 16:43:25	Info	+02:00	[auth] udp:10.17.76.10 (type aerohive): logged in user user1 with IP 192.168.200.215

## Figures

1. aerohive01.png
2. aerohive02.png
3. aerohive03.png
4. wifi\_log\_message\_aerohive.png

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