

## Wi-Fi AP Authentication Aerohive Configuration

<https://campus.barracuda.com/doc/46209260/>

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

### 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 Hive Manager.
2. Go to **Configuration > Advanced Configuration > Management Services > Syslog Assignments**.



Home Dashboard Monitor Reports Maps **Configuration** Tools

**Configuration** << Syslog Assignments

Guided Configuration

New Clone Paintbrush Remove

<input type="checkbox"/>	Name	Facility	Host	Description

Devices

- Hives
- Network Policies
- SSIDs
- Port Types
- User Profiles
- Networks
- VPN Services
- Auto Provisioning
- Radio Profiles

**Advanced Configuration**

- Common Objects
- Security Policies
- QoS Policies

**Management Services**

- DNS Assignments
- IP Tracking
- Location Servers
- Management Options
- NTP Assignments
- SNMP Assignments
- Syslog Assignments**

Authentication

Keys and Certificates

- Click **New** and configure syslog streaming:
  - Syslog Server** - Select the IP address of the Barracuda NextGen Firewall F-Series from the dropdown.
  - Severity** - Select **Info** from the dropdown.
- Click **Apply**.
- Click **Save**.

Syslog Assignments > New

Save Cancel

Name\* NGFirewall-QA (1-32 characters)

Facility Local6

Description (0-64 characters)

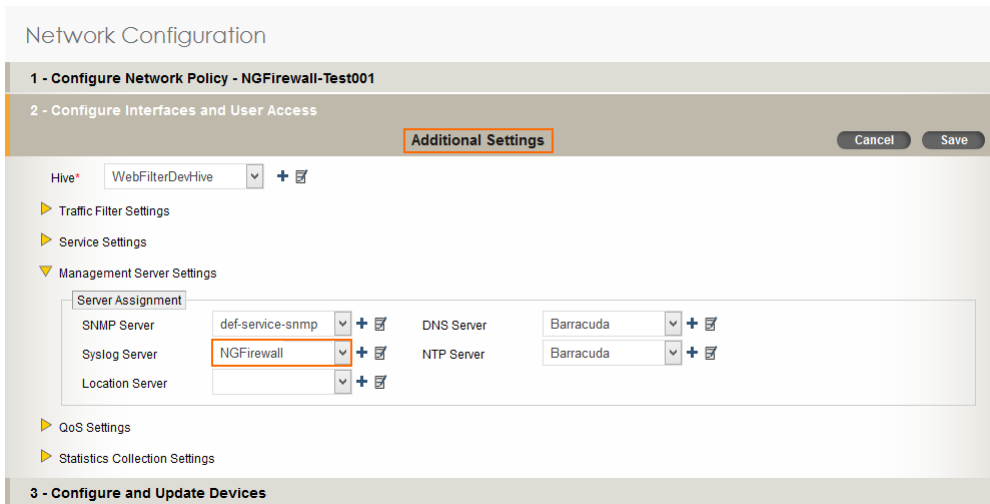
Syslog servers are on the same internal network as the reporting Aerohive devices (for PCI DSS compliance)

Apply Remove Cancel

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

## Add Syslog Configuration to Network Policy

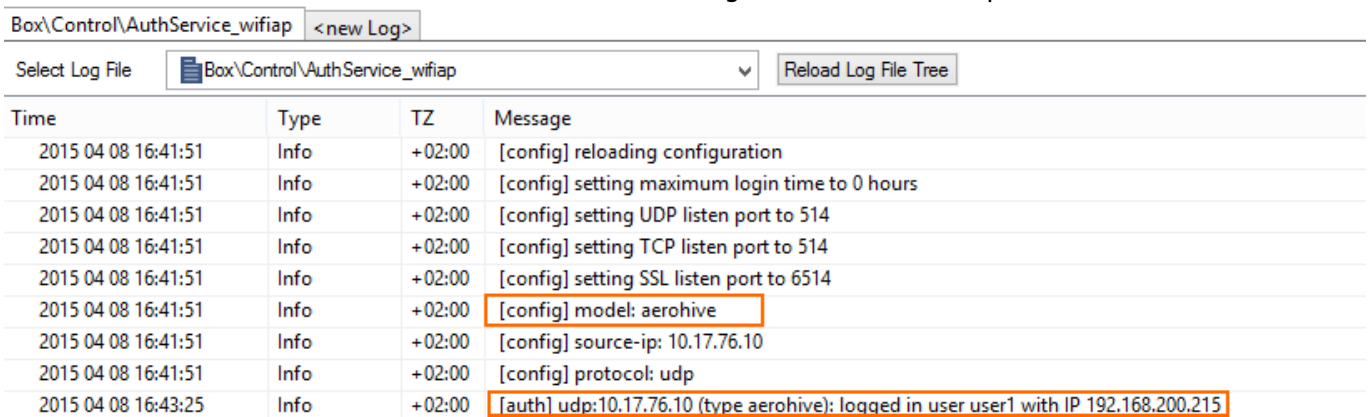
Add the syslog configuration to the **Network Policy** you are using for your access points.



The screenshot shows the 'Network Configuration' page for 'NGFirewall-Test001'. Under 'Management Server Settings', the 'Server Assignment' section is expanded. The 'Syslog Server' dropdown menu is set to 'NGFirewall', which is highlighted with a red box. Other servers like 'SNMP Server', 'DNS Server', and 'NTP Server' are also visible.

## 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 the **Box > Control > AuthService\_wifiap.log**. After a successful authentication, 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.



The screenshot shows a log viewer window for 'Box\Control\AuthService\_wifiap'. The log entries are as follows:

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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