

## Wi-Fi AP Authentication Ruckus Wireless Configuration

<https://campus.barracuda.com/doc/46209259/>

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

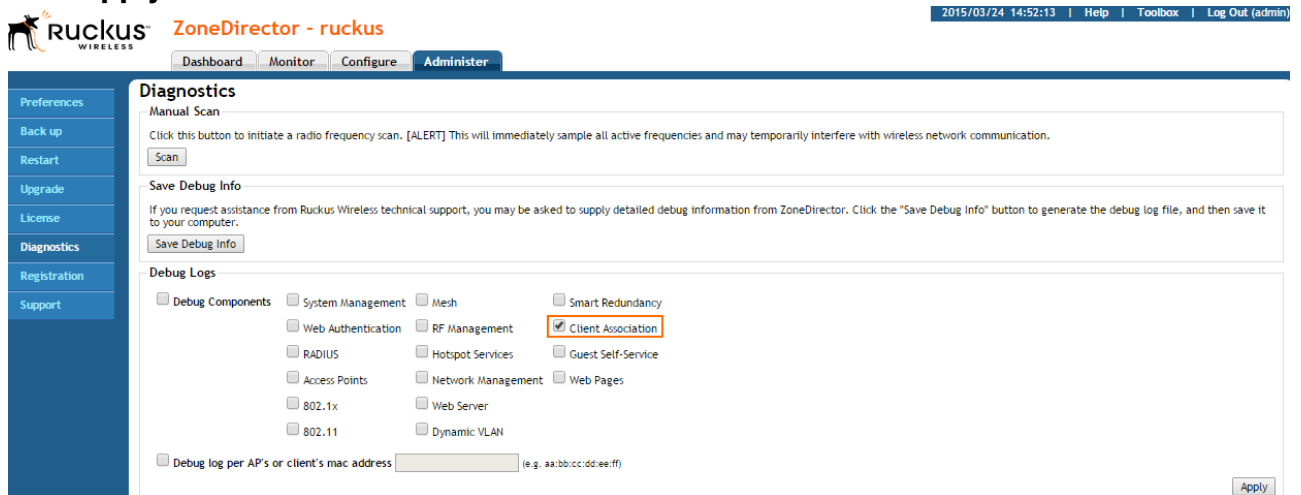
### Reference Devices/Versions:

- ZoneDirector 1100 (ZD1106) Version 9.10.0.0 build 21
- ZoneFlex zf7321-u Access Point):

### Step 1. Enable Syslog Streaming on the Ruckus Wireless AP

Enable Client Association in the debug log settings.

1. Go to **Administer > Diagnostics**.
2. In the **Debug Logs** section, enable **Client Association**.
3. Click **Apply**.



The screenshot shows the Ruckus ZoneDirector web interface. The top navigation bar includes 'Dashboard', 'Monitor', 'Configure', and 'Administer'. The 'Administer' tab is active. The left sidebar contains 'Preferences', 'Back up', 'Restart', 'Upgrade', 'License', 'Diagnostics', 'Registration', and 'Support'. The main content area is titled 'Diagnostics' and contains three sections: 'Manual Scan', 'Save Debug Info', and 'Debug Logs'. The 'Debug Logs' section has a grid of checkboxes for various system components. The 'Client Association' checkbox is checked and highlighted with a red box. Other checkboxes include 'Debug Components', 'System Management', 'Mesh', 'Smart Redundancy', 'Web Authentication', 'RF Management', 'Guest Self-Service', 'RADIUS', 'Hotspot Services', 'Web Pages', 'Access Points', 'Network Management', 'Web Server', '802.1x', 'Dynamic VLAN', and '802.11'. There is also a checkbox for 'Debug log per AP's or client's mac address' with a text input field. An 'Apply' button is located at the bottom right of the 'Debug Logs' section.

### Step 2. Enable Syslog Streaming on the Ruckus Wireless AP

1. Go to **Configure > System Log Settings**.
2. Enable the **Remote Syslog**.
3. Enter the IP address of the Barracuda NextGen Firewall F-Series.

**Log Settings**

Event Log Level  Show More  Warning and Critical Events  Critical Events Only

Remote Syslog  Enable reporting to remote syslog server at 192.168.0.1 (IP Address)

Remote Syslog Advanced Settings

4. 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 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.

Box\Control\AuthService\_wifiap

Select Log File Box\Control\AuthService\_wifiap

Time	Type	TZ	Message
2015 04 08 16:01:10	Info	+02:00	[config] setting maximum login time to 0 hours
2015 04 08 16:01:10	Info	+02:00	[config] setting UDP listen port to 514
2015 04 08 16:01:10	Info	+02:00	[config] setting TCP listen port to 514
2015 04 08 16:01:10	Info	+02:00	[config] setting SSL listen port to 6514
2015 04 08 16:01:10	Info	+02:00	[config] model: ruckus
2015 04 08 16:01:10	Info	+02:00	[config] source-ip: 10.17.76.10
2015 04 08 16:01:10	Info	+02:00	[config] protocol: udp
2015 04 08 16:01:10	Info	+02:00	[main] listening on udp 10.17.67.170:514
2015 04 08 16:01:10	Info	+02:00	[main] listening on tcp 10.17.67.170:514
2015 04 08 16:01:10	Info	+02:00	[main] listening on ssl 10.17.67.170:6514
2015 04 08 16:02:58	Info	+02:00	[auth] udp:10.17.76.10 (type ruckus): logged in user user with IP 192.168.0.33
2015 04 08 16:03:42	Info	+02:00	[auth] udp:10.17.76.10 (type ruckus): logged in user user with IP 192.168.0.33

## Figures

1. ruckus01.png
2. ruckus02.png
3. wifi\_log\_message.png

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