

## How to Integrate the Barracuda Web Application Firewall with Amazon CloudWatch

<https://campus.barracuda.com/doc/93193324/>

### Overview

Amazon CloudWatch is a monitoring and management service that provides data and actionable insights for AWS hybrid, on-premises applications, and infrastructure resources. With CloudWatch, you can collect and access all your performance and operational data in the form of logs and metrics from a single platform.

The integration of CloudWatch with the Barracuda Web Application Firewall provides data and actionable insights to monitor WAF applications. The integration helps in responding to system-wide performance changes, optimize resource utilization, and to get a unified view of operational health.

The integration with CloudWatch works only on AWS instances that have an IAM role created and proper permissions attached.

### Before You Begin

1. Create an IAM role with relevant permissions and attach to a WAF Linux instance. The following permissions need to be provided to the IAM Role:
  - CreateLogStream
  - DescribeLogStreams
  - CreateLogGroup
  - PutLogEvents

Also, ensure that the IAM role attached to your WAF instance has the policy mentioned below to enable exporting logs from the Barracuda WAF to AWS CloudWatch.

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Action": [
        "logs:CreateLogGroup",
```

```
        "logs:CreateLogStream",
        "logs:PutLogEvents",
        "logs:DescribeLogStreams"
    ],
    "Resource": [
        "arn:aws:logs:*:*:*"
    ]
}
]
```

## Adding a CloudWatch Server

Perform the following steps to add a CloudWatch server:

1. Go to the **ADVANCED > Export Logs** page.
2. In the **Export Logs** section, click **Add Export Log Server**. The **Add ExportLog Server** window opens. Specify values for the following:
  - **Name** - Enter a name for the syslog NG server.
  - **Log Server Type** - Select **Cloudwatch**.
  - **Log Timestamp and Hostname** - Set to **Yes** if you want to log the date and time of the event, and the hostname configured on the **BASIC > IP Configuration > Domain Configuration** section.
  - **Log Group Name** - Enter a name for the log group. If this field is left blank, *Barracuda\_CL* is used by default.
3. **Comment** - (Optional) Enter comment about the new setting.
4. Click **Add**.

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