

# Plugins

## DenyAll

V5.2.0

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## DENY ALL WAF

Deny All WAF normalizes Deny All WAF events and enables you to analyze Deny All WAF data. LogPoint aggregates and normalizes Deny All WAF logs so you can analyze the information through the *LP\_Deny All Web Application Firewall* dashboard. The dashboard provides visualization of incident details for web attack source addresses, countries and other event details detected in your network. You can customize the dashboard to suit your needs and perform in-depth analysis by adjusting the data and searches.

Furthermore, when LogPoint identifies threats, malware, or malicious events with a potential risk, it triggers security alerts based on predetermined rules. The automated alerts enable you to detect potential threats, malware, or malicious events early and take corrective actions against them.

Deny All WAF consists of the following components:

1. **Dashboard Package**

- LP\_Deny All Web Application Firewall

2. **Compiled Normalizer**

- LP\_Deny All Web Application Firewall

3. **Alert Package**

- LP\_DenyAllWAF SQL Injection Attack

## INSTALLING DENY ALL WAF

### Prerequisite

LogPoint v6.7.4 or later

### Supported Device

Deny All WAF Server on the Unix environment.

### To install Deny All WAF:

1. Download the .pak file from the [Help Center](#).
2. Go to *Settings >> System Settings >> Applications*.
3. Click **Import**.
4. **Browse** to downloaded .pak file.
5. Click **Upload**.

After installing Deny All WAF, you can find it under *Settings >> System Settings >> Plugins*.

## CONFIGURING DENY ALL WAF

### 3.1 Adding a Normalization Policy for Deny All WAF

1. Go to *Settings >> Configuration >> Normalization Policies*.
2. At the top left, click **Add**.
3. Enter a **Policy Name**.
4. In **Compiled Normalizers**, select *Deny All WAF*.
5. Click **Submit**.

CREATE NORMALIZATION POLICY

NORMALIZATION POLICY INFORMATION

Policy Name:

DenyAll

Compiled Normalizer:

Available

DenyAll

Selected

DenyAllWAFCompiledNormalizer

Normalization Packages:

Available

Search

LP\_A10 Web Application Firewall  
LP\_AIX Generic  
LP\_AIX v7\_1  
LP\_ARP Guard  
LP\_Activtrak  
LP\_Airlock WAF  
LP\_Airlock WAF Generic  
LP\_Airlock WAF Process

Selected

Search

View Signatures

Submit

Cancel

Fig. 1: Adding a Normalization Policy

3.1. Adding a Normalization Policy for Deny All WAF

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## 3.2 Adding Deny All WAF as a Device in LogPoint

1. Go to *Settings >> Configuration >> Devices*.
2. At the top left, click **Add**.
3. Enter a device **Name**.
4. Enter the **IP address(es)** of the Deny All WAF server.
5. Select the **Device Groups**.
6. Select an appropriate **Log Collection Policy** for the logs.
7. Select a collector or a forwarder from the **Distributed Collector** drop-down menu.

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**Note:** It is optional to select the **Device Groups**, the **Log Collection Policy**, and the **Distributed Collector**.

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8. Select a **Time Zone**.

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**Note:** The timezone of the device must be the same as its log source.

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9. Configure the **Risk Values** for **Confidentiality**, **Integrity**, and **Availability** used to calculate the risk levels of the alerts generated from the device.
10. Click **Submit**.

**CREATE DEVICE**

**DEVICE INFORMATION**

Name: DenyAll

IP address(es): 2.2.2.2

Device Groups: windows

Log Collection Policy: DenyAll

Distributed Collector:

Time Zone: UTC TimeZone

**RISK VALUES**

Confidentiality: Minimal

Integrity: Minimal

Availability: Minimal

**Submit** **Cancel**

Fig. 2: Adding Deny All WAF as a Device

### 3.3 Configuring the Syslog Collector for Deny All WAF

1. Click the **Add** icon from **Actions**.
2. Click **Syslog Collector** on **AVAILABLE COLLECTORS FETCHERS**.



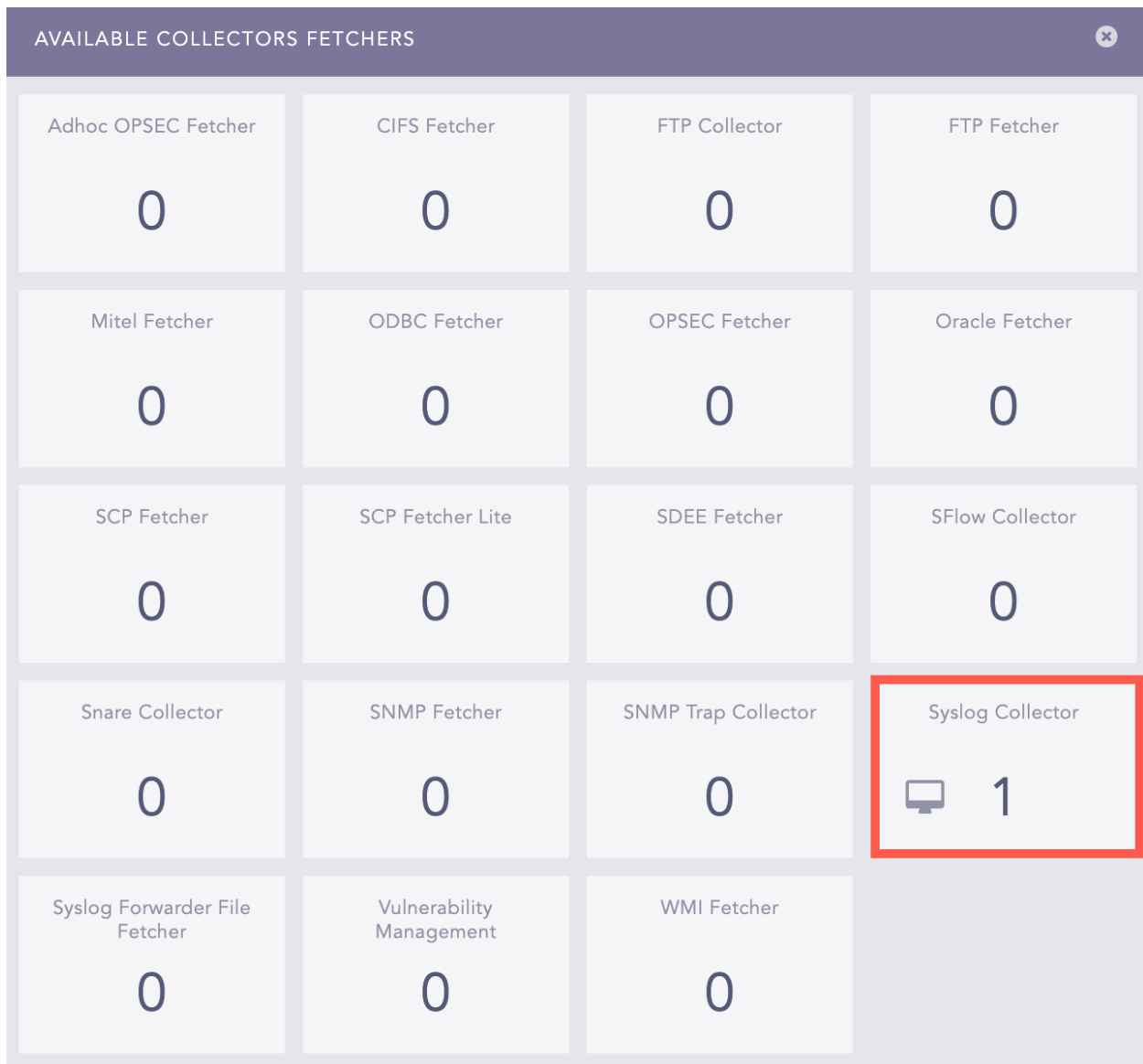


Fig. 3: Configuring Syslog Collector

3. In **Parser**, select **Syslog Parser**.
4. Select the **Processing Policy** which contains the *normalization policy* you added previously.
5. Select the **Charset**. The default value is *utf\_8*.
6. In **PROXY SERVER**, select **None**.
7. Click **Submit**.

SYSLOG COLLECTOR

SYSLOG COLLECTOR

Parser: SyslogParser

Processing Policy: DenyAll

Charset: utf\_8

PROXY SERVER

☐ Use as Proxy ☐ Uses Proxy ☒ None

Delete

Submit

Cancel

Fig. 4: Configuring Syslog Collector

## DENY ALL WAF ANALYTICS

### 4.1 Deny All WAF Dashboards

#### 4.1.1 Adding the Deny All WAF Dashboard

1. Go to *Settings >> Knowledge Base >> Dashboards*.
2. Select **VENDOR DASHBOARD** from the drop-down.
3. Click the **Use** icon from **Actions**.

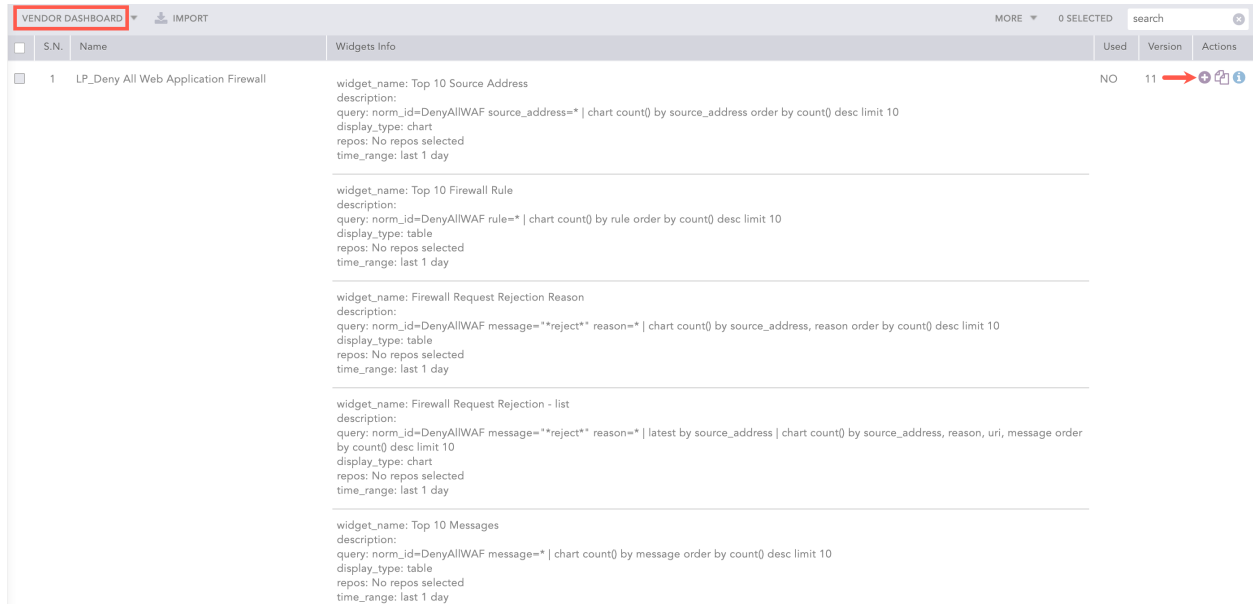


Fig. 1: Adding the Deny All WAF Dashboard

4. Click **Choose Repos**.

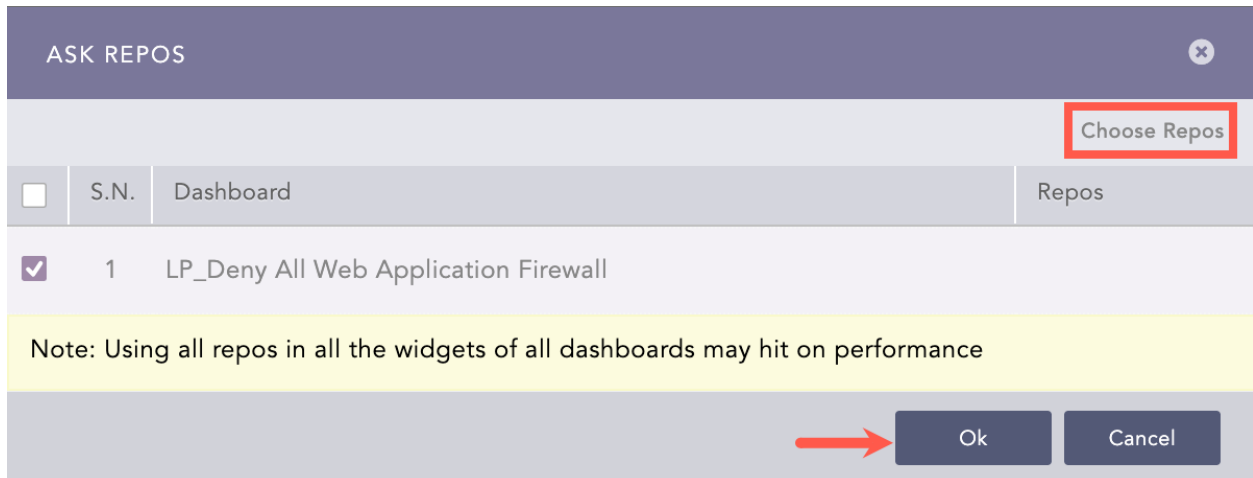


Fig. 2: Selecting Repos

5. Select the repo and click **Done**.

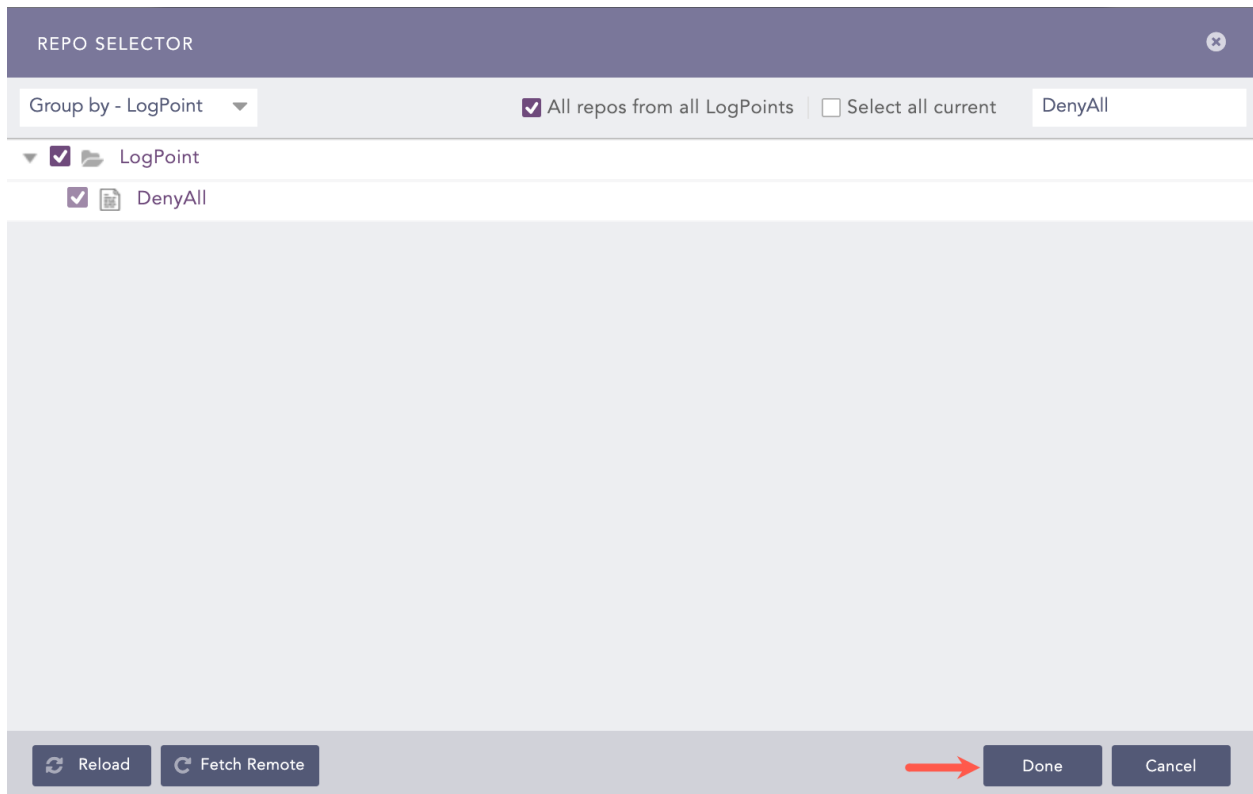


Fig. 3: Selecting Repos

6. Click **Ok**.

You can find the *LP\_Deny All Web Application Firewall* dashboard under *Dashboard*.

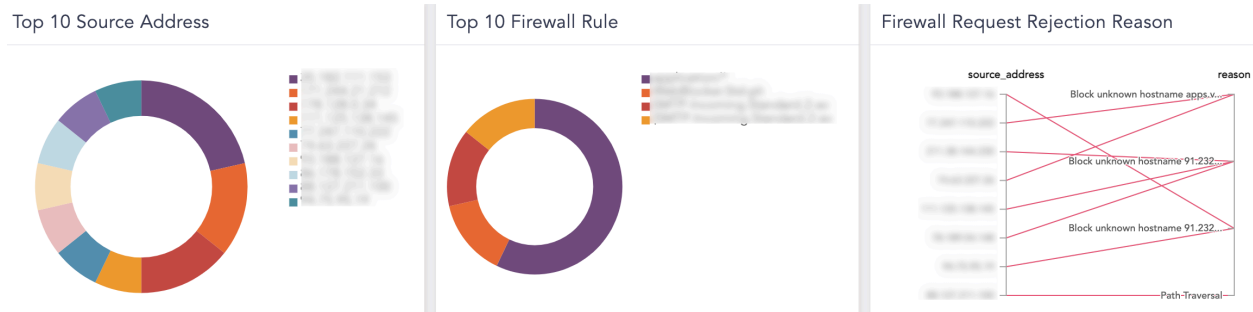


Fig. 4: Deny All WAF Dashboard

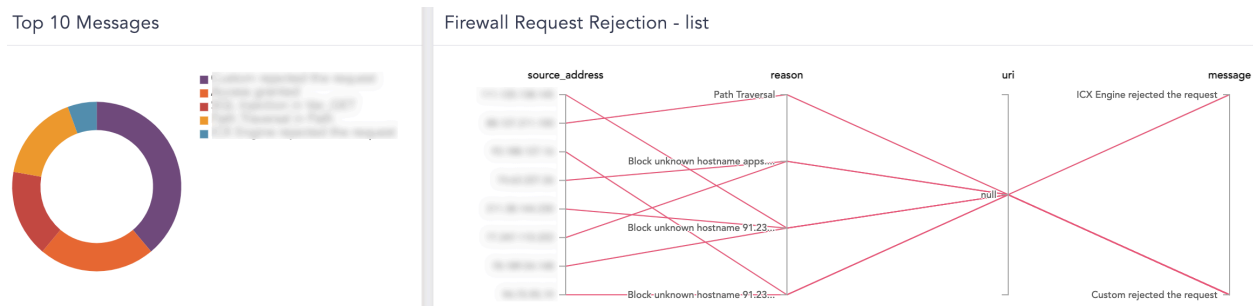


Fig. 5: Deny All WAF Dashboard

### 4.1.2 LP\_Deny All Web Application Firewall Dashboard

Widgets available in the dashboard *LP\_Deny All Web Application Firewall* provide:

Widget Name	Description
Top 10 Source Address	An overview of the top 10 source addresses detected by Deny All WAF.
Top 10 Firewall Rule	An overview of the top 10 firewall rules included in Deny All WAF.
Firewall Request Rejection Reason	An overview of the reasons for firewall requests rejection by Deny All WAF.
Firewall Request Rejection - list	An overview of the lists of reasons to reject firewall requests.
Top 10 Messages	An overview of the top 10 messages detected by Deny All WAF.
Top 10 Sources in SQL Injection Attack	An overview of the top 10 SQL Injection attack source addresses detected by Deny All WAF.
Top 10 Countries in SQL Injection Attack	An overview of the top 10 countries from where the SQL Injection Attack originated.

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Table 1 – continued from previous page

Widget Name	Description
SQL Injection Details	An overview of the SQL Injection attack details (sources, type of threats, country).

## 4.2 Deny All WAF Alerts

Alerts available in the *LP\_Deny All WAF* are:

### 4.2.1 DenyAllWAF SQL Injection Attack

- **Trigger condition:** A SQL injection attack is detected.
- **ATT&CK Category:** Initial Access
- **ATT&CK Tag:** Exploit Public-Facing Application
- **ATT&CK ID:** T1190
- **Minimum Log Source Requirement:** DenyAll WAF
- **Query:**

```
norm_id=DenyAllWAF label=SQL label=Injection
```

## SUPPORTED LOG SOURCES

### 5.1 Deny All WAF

Supported Version: DenyAll Web Application Firewall v6.x

## UNINSTALLING DENY ALL WAF

You must remove the **Deny All WAF** configurations to delete it.

1. Go to *Settings >> System Settings >> Applications*.
2. Click the **Uninstall** icon from **Actions**.
3. Click **Yes**.



## EXPECTED LOG SAMPLES

### 7.1 Deny All WAF

#### Shellcode

```
"<5>1 2020-01-07T09:17:08.732356+01:00 Management - - - {"logAlertUid":  
→ "bb45b96adbb6a6216981645d5", "@timestamp": "1578385028731", "timestamp":  
→ "1578385028731", "_type_": "Controller_Business_Log_SecurityLog", "request": {"body": "",  
→ "cookies": [], "headers": [{"key": "Host", "value": "admin.logpointnp.np"}, {"key": "User-Agent",  
→ "value": "check_ssl_cert/1.76.0"}, {"key": "Connection", "value": "close"}], "hostname": "admin.  
→ logpoint.np", "ipDst": "10.20.69.101", "ipSrc": "10.2.1.31", "method": "HEAD", "path": "/",  
→ "portDst": 443, "protocol": "HTTP/1.1", "query": "", "requestUid":  
→ "XhQ@hL3oLmW@9nUuvsOS@AAM0"}, "context": {"tags": "", "applianceName":  
→ "Management", "applianceUid": "fefaab9235ab42dbb5c4", "backendHost": "10.100.1.1",  
→ "backendPort": 443, "reverseProxyName": "LOG123", "reverseProxyUid":  
→ "aaaaaad1cba28f9564840e0f774", "tunnelName": "CD84-V-zyx", "tunnelUid":  
→ "661985yyyyyde9402cb00bc72af", "workflowName": "WAF xxx-V-PORTACRM", "workflowUid":  
→ "xxxxx3b35b4c60a766801d0"}, "events": [{"eventUid": "74c816c3e280a53df9c203ba05", "tokens  
→ ": {"date": "1578385028732003", "eventType": "security", "engineUid": "custom", "engineName":  
→ "Custom", "attackFamily": "No Attack Family", "riskLevel": 50, "riskLevelOWASP": 0.0, "cwe": "-",  
→ "severity": 5, "resolveType": "No Resolve", "part": "No Part", "customMessage": "URL non  
→ autorisee", "reason": "Custom: URL non autorisee"}}]}
```

```
"<5>1 2020-01-06T23:33:23.889229+01:00 Management - - - {"logAlertUid":  
→ "3820d6a0997f4444b5b6a3369b7053a3", "@timestamp": "1578350003887", "timestamp":  
→ "1578350003887", "_type_": "Controller_Business_Log_SecurityLog", "request": {"body": "",  
→ "cookies": [{"key": "PHPSESSID", "value": "PHPSESSID=5g2r3dg3ka59f6vrvujb2mds53"}],  
→ "headers": [{"key": "Accept-Encoding", "value": "gzip, deflate"}, {"key": "From", "value":  
→ "robot@seokicks.de"}, {"key": "Connection", "value": "Close"}, {"key": "Referer", "value":  
→ "https://maps.vaucluse.fr/"}, {"key": "Accept", "value": "text/html, text/plain"}, {"key": "Host",  
→ "value": "maps.vaucluse.fr"}, {"key": "User-Agent", "value": "Mozilla/5.0 (compatible; SEOkicks;  
→ +https://www.seokicks.de/robot.html)"}], "hostname": "maps.vaucluse.fr", "ipDst": "10.100.19.  
→ 46", "ipSrc": "95.216.96.244", "method": "GET", "path": "/admin.php/auth/login/", "portDst  
→ ": 443, "protocol": "HTTP/1.1", "query": "auth_url_return=%2Findex.php%2Fview%2F",  
→ "requestUid": "XhO1s0rlt2PSlyBTRXMJ7AAAAWs"}, "context": {"tags": "", "applianceName": ""
```