LOGZILLA DOCUMENTATION

Fortigate

LogZilla App Store application: Fortigate

LogZilla App Store · Generated May 3, 2026 · logzilla.ai/docs/logzilla-appstore/fortigate

Overview

Fortigate is a line of firewall devices produced by Fortinet. FortiGate Next Generation Firewalls enable security-driven networking and consolidate security capabilities such as intrusion prevention system (IPS), web filtering, secure sockets layer (SSL) inspection, and automated threat protection.

App Function

- Parse Fortigate key/value pair log format
- Extract high-value tags for analysis and alerting
- Provide dashboards for traffic, UTM (including WAF), and event monitoring
- Provide triggers for security alerts including WAF attacks

Vendor Documentation

- Fortigate Next-Generation Firewall (NGFW) (https://www.fortinet.com/products/next-generation-firewall)
- Types of logs collected for each device (https://help.fortinet.com/fa/faz50hlp/56/5-6-2/FMG-FAZ/2100_Log_view/0200_Log_types.htm)

Device Configuration

Configure the Fortigate device to send syslog messages to LogZilla:

Log into the Fortigate web interface
Navigate to **Log & Report** in the left sidebar
Click **Log Settings**
In the **Remote Logging and Archiving** section:

- Toggle **Send logs to syslog** to **Enabled**
- Enter the LogZilla server IP address or FQDN in the **IP Address/FQDN** field
- Leave the default syslog port (514) unless LogZilla is configured differently

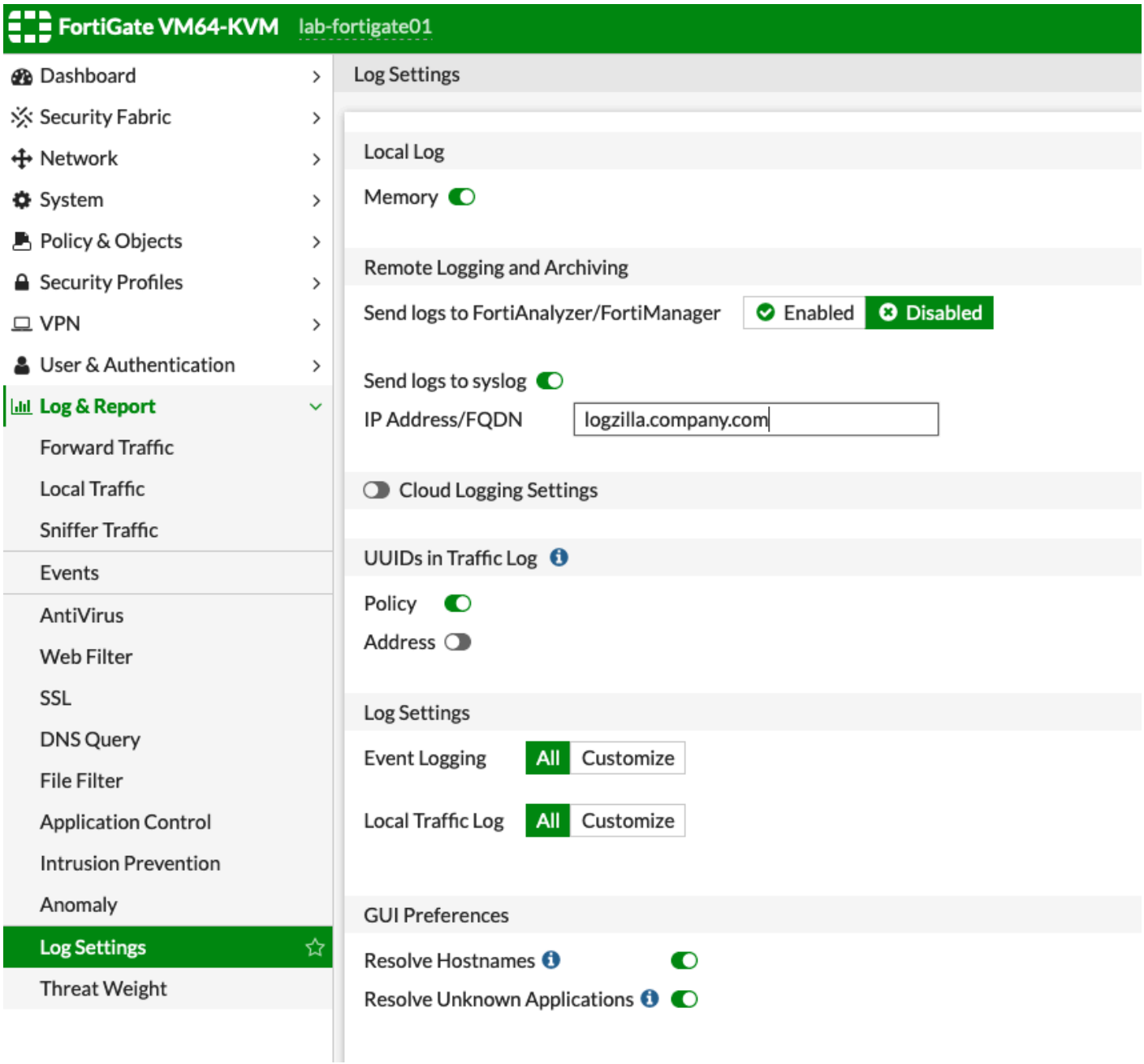
In the **Log Settings** section:

- Set **Local Traffic Log** to **All** (recommended) or **Customize** based on requirements
- Set **Event Logging** to **All** or **Customize** as needed

Click **Apply** to save the configuration

Verification

Generate network traffic through the Fortigate, then verify events appear in LogZilla with the program name `Fortigate`.



Incoming Log Format

Fortigate log messages consist of key/value pairs:

```
date=YYYY-MM-DD time=HH:MM:SS type="value" subtype="value" key="value" ...
```

- **date/time** - Timestamp fields (removed during processing)
- **type** - Log type (traffic, utm, event)
- **subtype** - Log subtype (forward, virus, webfilter, waf, user, etc.)
- **key=value** - Additional fields vary by event type

Parsed Metadata Fields

The app extracts high-value fields from Fortigate logs using standardized tag names for cross-vendor compatibility.

Global Tags

Tag	Example	Description
`Vendor`	`Fortinet`	Vendor name
`Product`	`FortiGate`	Product name
`Event Class`	`security`	Cross-vendor classification
`Event Type`	`intrusion`	Specific event type (login_failure, malware, intrusion, access_denied)
`MitreId`	`T1190`	MITRE ATT&CK technique ID
`MITRE Tactic`	`Initial Access`	MITRE ATT&CK tactic

Standardized Tags

Tag	Example	Description
`SrcIP`	`10.1.100.11`	Source IP address
`DstIP`	`172.16.200.55`	Destination IP address
`DstPort`	`https`	Destination port (translated to service name)
`User`	`bob`	Username
`Action`	`blocked`	Action taken

Tag	Example	Description
SrcInt	port12	Source interface
DstInt	port11	Destination interface

Fortigate-Specific Tags

Tag	Example	Description
Fortigate Type	traffic	Log type (traffic, utm, event)
Fortigate Subtype	forward	Log subtype
Fortigate Status	success	Event status
Fortigate Service	HTTP	Service name
Fortigate VDOM	vdom1	Virtual domain
Fortigate Attack	SQL.Injection	Attack name (IPS events)
Fortigate Virus	EICAR_TEST_FILE	Detected virus name
Fortigate Category	Malicious Websites	Web filter category
Fortigate Profile	g-default	Security profile name
Fortigate WAF Signature	SQL.Injection.Select.Statement	WAF attack signature
Fortigate WAF Constraint	url-param-num	WAF HTTP constraint type
Fortigate WAF Severity	high	WAF event severity

Log Examples

Block SSL Traffic

```
date=2019-03-28 time=10:57:42 logid="1700062053" type="utm" subtype="ssl"
eventtype="ssl-anomalies" level="warning" vd="vdom1" policyid=1
sessionid=11424 service="SMTPS" profile="block-unsupported-ssl"
srcip=10.1.100.66 srcport=41296 dstip=172.16.200.99 dstport=8080
srcintf="port2" dstintf="unknown-0" proto=6 action="blocked"
msg="Connection is blocked due to unsupported SSL traffic"
reason="malformed input"
```

Successful Authentication

```
date=2019-05-13 time=15:55:56 logid="0102043008" type="event" subtype="user"
level="notice" vd="root" srcip=10.1.100.11 dstip=172.16.200.55 policyid=1
interface="port10" user="bob" group="local-group1"
authproto="TELNET(10.1.100.11)" action="authentication" status="success"
reason="N/A" msg="User bob succeeded in authentication"
```

WAF Signature Detection

```
date=2018-12-27 time=14:55:20 logid="1203040001" type="utm" subtype="waf"
eventtype="waf-signature" level="warning" vd="vdom1" policyid=1
sessionid=13614 user="bob" profile="waf_default" srcip=10.1.100.11
srcport=57304 dstip=172.16.200.55 dstport=80 srcintf="port12"
srcintfrole="lan" dstintf="port11" dstintfrole="wan" proto=6 service="HTTP"
url="http://app.example.com/api/v1/users?id=1+OR+1=1" severity="high"
action="blocked" direction="request" agent="curl/7.47.0"
signature="SQL.Injection.Select.Statement"
rawdata="Method=GET|User-Agent=curl/7.47.0"
```

Web Access Denied

```
date=2019-05-13 time=16:29:45 logid="0316013056" type="utm"
subtype="webfilter" eventtype="ftgd_blk" level="warning" vd="vdom1"
policyid=1 sessionid=381780 srcip=10.1.100.11 srcport=44258 srcintf="port12"
dstip=185.244.31.158 dstport=80 dstintf="port11" proto=6 service="HTTP"
hostname="morrishittu.ddns.net" profile="test-webfilter" action="blocked"
reqtype="direct" url="/" direction="outgoing"
msg="URL belongs to a denied category in policy" catdesc="Malicious Websites"
```

MITRE ATT&CK Mapping

Event Type	Technique	Tactic
IPS Detection	T1190	Initial Access
Virus Detection	T1204	Execution
Web Filter Block	T1071	Command and Control
DLP Violation	T1048	Exfiltration
App Control Block	T1071	Command and Control
SSL Inspection	T1573	Command and Control
SSH Inspection	T1021	Lateral Movement
Auth Failure	T1110	Credential Access
WAF Signature	T1190	Initial Access

Dashboards

Dashboard	Description
FortiGate Traffic	Traffic flow analysis and top talkers
FortiGate UTM	Security events, blocks, and MITRE tactics
FortiGate Event	System events, HA status, and authentication

Triggers

Trigger	Description
`Fortigate: MITRE ATT&CK Threat Detected`	Events with MITRE technique mapping
`Fortigate: Security Block`	UTM block events (blocked, deny, dropped)

Trigger	Description
`Fortigate: Virus Detected`	Antivirus detection events
`Fortigate: Intrusion Detected`	IPS detection events
`Fortigate: Web Filter Block`	Web filter block events
`Fortigate: Authentication Failure`	Failed authentication attempts
`Fortigate: VPN Event`	VPN connection events
`Fortigate: HA State Change`	High availability state changes
`Fortigate: Critical System Event`	Critical system events
`Fortigate: DLP Violation`	Data leak prevention violations
`Fortigate: Application Control Block`	Application control blocks
`Fortigate: WAF Attack Detected`	WAF signature match events
`Fortigate: WAF Block`	WAF block events