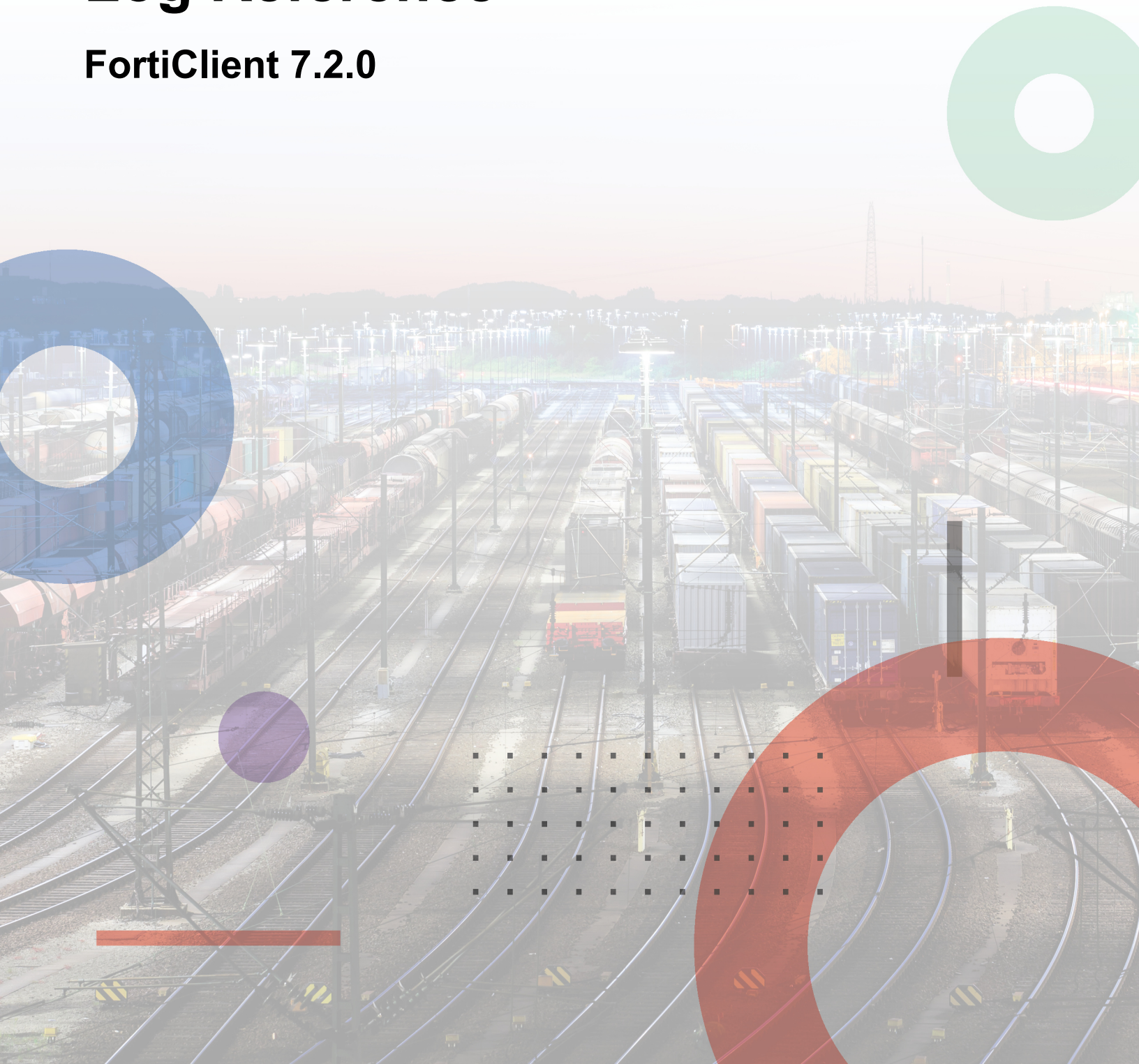
Log Reference

FortiClient 7.2.0



FORTINET DOCUMENT LIBRARY
https://docs.fortinet.com

FORTINET VIDEO GUIDE
https://video.fortinet.com

FORTINET BLOG
https://blog.fortinet.com

CUSTOMER SERVICE & SUPPORT
https://support.fortinet.com

FORTINET TRAINING & CERTIFICATION PROGRAM
https://www.fortinet.com/training-certification

NSE INSTITUTE
https://training.fortinet.com

FORTIGUARD CENTER
https://www.fortiguard.com

END USER LICENSE AGREEMENT
https://www.fortinet.com/doc/legal/EULA.pdf

FEEDBACK
Email: techdoc@fortinet.com

January 31, 2023
FortiClient 7.2.0 Log Reference
04-720-877833-20230131

TABLE OF CONTENTS

Change log

Date	Change Description
2023-01-31	Initial release.

Introduction

This document provides information about all the log messages applicable to FortiClient 7.2.0. The logs are intended for administrators to use as reference for more information about a specific log entry and message that FortiClient generated.

FortiClient has three log types: security event, system event, and traffic. This document contains the following information:

- Windows on page 6: fields that apply to FortiClient (Windows) logs
- Linux on page 35: fields that apply to FortiClient (Linux) logs

Windows

FortiClient has three log types: security event, system event, and traffic. This section contains the following information for FortiClient (Windows):

- Mandatory fields on page 35: fields that are mandatory to all FortiClient (Windows) logs.
- Log fields by type on page 36: fields that only apply to security event logs.
- Log message by type on page 39: lists each possible log message, sorted by log type and subtype.

Mandatory fields

Log Field Name	Description	Data Type
date	date	string
time	time	string
logver	log protocol version	int
id	log id	int
type	Traffic, Security Event or System Event	string
subtype	AntiVirus, FireWall, WebFilter ...	enumeration string
eventtype	type of event	enumeration string
level	log level	enumeration string
uid	FortiClient unique ID	string
devid	device ID	string
hostname	host name of local machine	string
pcdomain	domain name of local machine	string
deviceip	device IP address	string
devicemac	device MAC address	string
site	Multi-tenancy site	string
fctver	FCT version	string
fgtserial	FGT serial number	string
emsserial	EMS serial number	string

Log Field Name	Description	Data Type
usingpolicy	current policy name	string
os	operating system	string
user	current logged on user	string
msg	description of this log	string

Log fields by type

securityevent

Log Field Name	Description	Data Type	Length
action	block or monitor	string	32
action	action taken for the infected item	enumeration string	32
activity	activity	enumeration string	64
ae_api	API used of the violation	string	64
ae_reason	reason of the violation	string	64
app	application	string	96
cat	category id	int	20
category	category name	string	260
checksum	file crc32 checksum	int	20
checksum	file SHA256 checksum	string	16
date	date	string	260
default_used	if process is handled by default action	int	20
description	description	string	260
detectedby	the security feature that detected virus	enumeration string	64
detectedin	where the virus is detected	enumeration string	64
detectedpath	detected path(s)	string	260
deviceip	device IP address	string	20
devicemac	device MAC address	string	17

Log Field Name	Description	Data Type	Length
devid	device ID	string	16
domain	domain of user	string	256
emsserial	EMS serial number	string	16
error_code	reason of the failure	int	20
eventtype	type of event	enumeration string	32
failed_reason	reason of the failure	string	260
fctver	FCT version	string	16
fgtserial	FGT serial number	string	16
file	file location	string	256
filesize	file size	int	20
from	email from	string	128
hostname	host name of local machine	string	256
id	log id	int	20
ip	IP address	string	260
level	log level	enumeration string	20
locip	local ip	string	20
locport	local port	int	20
logver	log protocol version	int	20
msg	description of this log	string	512
os	operating system	string	96
path	path of process	string	260
pcdomain	domain name of local machine	string	128
PID	ID of the malicious process	int	20
processname	process name	string	128
remip	remote ip	string	20
remotegw	remote gateway	string	256
remport	remote port	int	20
ruleuuid	uuid of violated rule	string	260
score	file score	int	20

Log Field Name	Description	Data Type	Length
service	network protocol	string	64
sigid	signature id	string	260
site	Multi-tenancy site	string	32
status	scan status	string	16
status	status	enumeration string	16
subtype	AntiVirus, FireWall, WebFilter ...	enumeration string	32
time	time	string	260
to	email to	string	512
type	Traffic, Security Event or System Event	string	16
uid	FortiClient unique ID	string	32
user	current logged on user	string	256
username	username of process	string	260
usingpolicy	current policy name	string	64
vid	virus id	int	20
virus	virus name	string	512
viruscat	virus category	string	260
vpn	vpn tunnel name	string	32
vpnstate	tunnel status	enumeration string	64
vpntunnel	tunnel name	string	128
vpnuser	vpn tunnel user name	string	128
vulncat	category	string	32
vulncvss	cvss score	string	64
vulnengine	engine version	string	64
vulnid	id of the vulnerability	int	20
vulnname	name of the vulnerability	string	128
vulnproducts	name of the vulnerable product	string	2048
vulnref	reference of the vulnerability	string	256
vulnseverity	severity level	string	8
vulnsignature	signature version	string	260

systemevent

Log Field Name	Description	Data Type	Length
appengine	app DB engine	string	260
apppath	process name	string	128
appsig	app DB signature	string	11
avaleng	AV allowlist engine version	string	260
avalsig	AV allowlist signatures version	string	260
avengine	AV engine	string	11
avsig	AV signature	string	11
avsigetm	AV extreme signature	string	11
avsigext	AV extended signature	string	11
avsigheu	AV heuristic signature	string	11
avsiglastupdate	last update time	string	260
avsigpallas	AV pallas signature	string	260
date	date	string	260
deviceip	device IP address	string	20
devicemac	device MAC address	string	17
devid	device ID	string	16
emshostname	EMS host name	string	64
emsip	EMS IP	string	20
emsserial	EMS serial number	string	16
epenfeatures	enabled features list	string	128
epfeatures	installed features list	string	128
ephbemsduration	EMS heart beat duration	int	20
ephbemslast	EMS heart beat last time	string	64
epmgmtst	management status	enumeration string	64
eponlinest	online status	enumeration string	32
epplace	EP place	enumeration string	32
epquarmsg	quarant message	string	260

Log Field Name	Description	Data Type	Length
eventtype	type of event	enumeration string	32
fctip	FCT IP	string	20
fctver	FCT version	string	16
fgtserial	FGT serial number	string	16
file	file or registry path	string	256
hostname	host name of local machine	string	256
id	log id	int	20
ipseng	firewall engine	string	11
ipssig	firewall signature	string	11
irdbsig	irdb signature	string	260
level	log level	enumeration string	20
logver	log protocol version	int	20
msg	description of this log	string	512
os	operating system	string	96
pcdomain	domain name of local machine	string	128
policyname	policy name	string	64
processname	blocked process	string	128
rootkitengine	anti-rootkit engine	string	11
rootkitsig	anti-rootkit signature	string	11
site	Multi-tenancy site	string	32
social_email	social email	string	128
social_phone	social phone number	string	64
social_srvc	social service	string	64
social_user	social user name	string	256
status	status description	string	16
subtype	AntiVirus, FireWall, WebFilter ...	enumeration string	32
time	time	string	260
type	Traffic, Security Event or System Event	string	16

Log Field Name	Description	Data Type	Length
uid	FortiClient unique ID	string	32
user	current logged on user	string	256
usingpolicy	current policy name	string	64
vulnengine	vulnerability engine	string	64
vulnsig	vulnerability signature	string	11

traffic

Log Field Name	Description	Data Type	Length
browsetime	user browsing time of web page(in seconds)	int	20
date	date	string	260
deviceip	device IP address	string	20
devicemac	device MAC address	string	17
devid	device ID	string	16
direction	traffic direction	string	8
dstip	destination IP	string	20
dstport	destination port	int	20
emsserial	EMS serial number	string	16
eventtype	type of event	enumeration string	32
fctver	FCT version	string	16
fgtserial	FGT serial number	string	16
hostname	host name of local machine	string	256
id	log id	int	20
level	log level	enumeration string	20
logver	log protocol version	int	20
msg	description of this log	string	512
os	operating system	string	96
pcdomain	domain name of local machine	string	128
proto	network protocol	int	20
rcvdbyte	data received (in bytes)	int	20

Log Field Name	Description	Data Type	Length
regip	regip	string	64
remotename	remote name	string	256
sentbyte	data sent (in bytes)	int	20
service	network protocol	string	64
sessionid	network session	string	64
site	Multi-tenancy site	string	32
srcip	source IP	string	20
srcname	source name	string	256
srcport	source port	int	20
srcproduct	source product	string	256
subtype	AntiVirus, FireWall, WebFilter ...	enumeration string	32
threat	threat	string	128
time	time	string	260
type	Traffic, Security Event or System Event	string	16
uid	FortiClient unique ID	string	32
url	url	string	512
user	current logged on user	string	256
userinitiated	if user initiated url request	int	20
usingpolicy	current policy name	string	64
utmaction	utm action	string	32
utmevent	utm event	string	32

Log message by type

securityevent > antiexploit

Log ID	Level	Sub Type	Event Type	Message
96548	warning	antiexploit	action	AntiExpoit has detected violation

Log ID	Level	Sub Type	Event Type	Message

Field	Field Description	Field Type
action	action taken for violation	enumeration string
ae_api	API used of the violation	string
ae_ reason	reason of the violation	string
app	application	string

securityevent > antiransomware

Log ID	Level	Sub Type	Event Type	Message
98000	warning	antiransomware	status	AntiRansomware has found a suspicious process

Field	Field Description	Field Type
file	file location	string
action	file action (1 = kill 2 = resume)	enumeration string
default_ used	if process is handled by default action	int
checksum	file SHA256 checksum	string
PID	ID of the malicious process	int

Log ID	Level	Sub Type	Event Type	Message
98001	warning	antiransomware	status	AntiRansomware has recovered a file

Field	Field Description	Field Type
file	file location	string

Log ID	Level	Sub Type	Event Type	Message
98002	warning	antiransomware	status	AntiRansomware has quarantined a file

Field	Field Description	Field Type
file	file location	string
checksum	file SHA256 checksum	string

Log ID	Level	Sub Type	Event Type	Message
98003	info	antiransomware	status	AntiRansomware has completed the quarantine and restoration of relevant files

securityevent > applicationcontrol

Log ID	Level	Sub Type	Event Type	Message
96701	warning	applicationcontrol	error	Application Control found a rule violation

Field	Field Description	Field Type
path	path of process	string
username	username of process	string
domain	domain of user	string
ruleuuid	uuid of violated rule	string
action	block or monitor	string

securityevent > av

Log ID	Level	Sub Type	Event Type	Message
96530	warning	av	action	Found virus

Field	Field Description	Field Type
action	action taken for the infected item	enumeration string
file	file location	string
virus	virus name	string
viruscat	virus category	string
sigid	signature id	string
vid	virus id	int
from	email from	string
to	email to	string
service	network protocol	string
vpn	vpn tunnel name	string
filesize	file size	int
checksum	file crc32 checksum	int

Log ID	Level	Sub Type	Event Type	Message
				Field / **Field Description** / **Field Type** detectedby / the security feature that detected virus / enumeration string detectedin / where the virus is detected / enumeration string
96531	warning	av	action	Found malware
				Field / **Field Description** / **Field Type** action / action taken for the infected item / enumeration string file / file location / string virus / virus name / string sigid / signature id / string filesize / file size / int checksum / file crc32 checksum / int detectedby / the security feature that detected virus / enumeration string detectedin / where the virus is detected / enumeration string
96534	warning	av	status	User disabled Realtime AntiVirus protection
96535	info	av	error	Communication error with other modules
96536	warning	av	action	AntiVirus realtime protection killed malware process
				Field / **Field Description** / **Field Type** processname / process name / string detectedby / the security feature that detected virus / enumeration string
96537	info	av	status	av_task scan thread is suspended
96538	info	av	status	av_task scan thread is resumed
96540	info	av	error	Cannot start scan task, license expired
96541	info	av	status	av_task scan is started
96542	info	av	status	av_task scan is stopped

Log ID	Level	Sub Type	Event Type	Message
96543	error	av	error	Scheduled scan failed: Path to file/folder no longer exists

Field	Field Description	Field Type
file	file or directory does not exist	string

Log ID	Level	Sub Type	Event Type	Message
96550	error	av	error	Failed to restore quarantined file

Field	Field Description	Field Type
action	action taken for the infected item	enumeration string
file	file location	string
virus	virus name	string
sigid	signature id	string
filesize	file size	int
checksum	file crc32 checksum	int
detectedby	the security feature that detected virus	enumeration string

Log ID	Level	Sub Type	Event Type	Message
96551	info	av	action	A quarantined file was restored

Field	Field Description	Field Type
action	action taken for the infected item	enumeration string
file	file location	string
virus	virus name	string
sigid	signature id	string
filesize	file size	int
checksum	file crc32 checksum	int
detectedby	the security feature that detected virus	enumeration string

securityevent > cloudscan

Log ID	Level	Sub Type	Event Type	Message
97100	debug	cloudscan	status	file score received

Field	Field Description	Field Type
file	file location	string
score	file score	int
checksum	file SHA256 checksum	string

securityevent > firewall

Log ID	Level	Sub Type	Event Type	Message
96645	warning	firewall	error	The application firewall has been disabled because it's driver could not be loaded

securityevent > fsso

Log ID	Level	Sub Type	Event Type	Message
96980	info	fsso	status	Single Sign-On event

Field	Field Description	Field Type
action	action	enumeration string
domain	domain name	string
remotegw	remote gateway	string

96983	info	fsso	status	Single Sign-On Mobility Agent is starting
96984	info	fsso	status	Single Sign-On Mobility Agent is stopping

securityevent > ipsecvpn

Log ID	Level	Sub Type	Event Type	Message
96560	info	ipsecvpn	status	VPN tunnel status

Field	Field Description	Field Type
vpnstate	tunnel status	enumeration string
vpntunnel	tunnel name	string
vpnuser	vpn tunnel user name	string
remotegw	remote gateway	string
locip	local ip	string
locport	local port	int
remip	remote ip	string
remport	remote port	int

Log ID	Level	Sub Type	Event Type	Message
96561	warning	ipsecvpn	error	No response from the peer, phase1 retransmit reaches maximum count

Field	Field Description	Field Type
vpntunnel	tunnel name	string
locip	local ip	string
locport	local port	int
remip	remote ip	string
remport	remote port	int

Log ID	Level	Sub Type	Event Type	Message
96562	warning	ipsecvpn	error	No response from the peer, phase2 retransmit reaches maximum count

Field	Field Description	Field Type
vpntunnel	tunnel name	string
locip	local ip	string
locport	local port	int
remip	remote ip	string
remport	remote port	int

Log ID	Level	Sub Type	Event Type	Message
96563	warning	ipsecvpn	status	Received delete payload from peer check xauth password

Field	Field Description	Field Type
vpntunnel	tunnel name	string
locip	local ip	string
locport	local port	int
remip	remote ip	string
remport	remote port	int

Log ID	Level	Sub Type	Event Type	Message
96564	error	ipsecvpn	error	Failed to acquire an IP address for the virtual adapter

Field	Field Description	Field Type
vpntunnel	tunnel name	string
locip	local ip	string
locport	local port	int
remip	remote ip	string
remport	remote port	int

Log ID	Level	Sub Type	Event Type	Message
96565	error	ipsecvpn	error	General error of IKE

Field	Field Description	Field Type
vpntunnel	tunnel name	string
locip	local ip	string
locport	local port	int
remip	remote ip	string
remport	remote port	int

Log ID	Level	Sub Type	Event Type	Message
96566	info	ipsecvpn	status	negotiation information

Field	Field Description	Field Type
vpntunnel	tunnel name	string

Log ID	Level	Sub Type	Event Type	Message
96567	error	ipsecvpn	error	negotiation error

Log ID	Level	Sub Type	Event Type	Message

Field	Field Description	Field Type
vpntunnel	tunnel name	string

Log ID	Level	Sub Type	Event Type	Message
96568	error	ipsecvpn	status	replayed packet detected (packet dropped)

Field	Field Description	Field Type
vpntunnel	tunnel name	string

Log ID	Level	Sub Type	Event Type	Message
96569	info	ipsecvpn	status	The VPN user accept the banner warning

Field	Field Description	Field Type
vpntunnel	tunnel name	string
locip	local ip	string
locport	local port	int
remip	remote ip	string
remport	remote port	int

Log ID	Level	Sub Type	Event Type	Message
96570	info	ipsecvpn	status	The VPN user reject the banner warning and disconnect the tunnel

Field	Field Description	Field Type
vpntunnel	tunnel name	string
locip	local ip	string
locport	local port	int
remip	remote ip	string
remport	remote port	int

Log ID	Level	Sub Type	Event Type	Message
96571	info	ipsecvpn	status	Send sa to the IPsec driver

Field	Field Description	Field Type
vpntunnel	tunnel name	string
locip	local ip	string
locport	local port	int

Log ID	Level	Sub Type	Event Type	Message
				Field / **Field Description** / **Field Type** remip / remote ip / string remport / remote port / int
96574	error	ipsecvpn	error	Logged when a VPN authorization rule failed
				Field / **Field Description** / **Field Type** vpntunnel / tunnel name / string
96575	warning	ipsecvpn	error	VPN cannot connect because the specified application is not running
				Field / **Field Description** / **Field Type** app / application / string
96576	info	ipsecvpn	error	IKE phase1 authentication fail as peer's certificate is not verified
				Field / **Field Description** / **Field Type** vpntunnel / tunnel name / string locip / local ip / string locport / local port / int remip / remote ip / string remport / remote port / int
96577	info	ipsecvpn	error	IKE phase1 authentication fail as peer's certificate is not verified
				Field / **Field Description** / **Field Type** vpntunnel / tunnel name / string locip / local ip / string locport / local port / int remip / remote ip / string remport / remote port / int

securityevent > removablemediaaccess

Log ID	Level	Sub Type	Event Type	Message
96620	info	removablemediaaccess	status	usb storage activity

Field	Field Description	Field Type
action	action	enumeration string
activity	activity	enumeration string
description	description	string

securityevent > sandboxing

Log ID	Level	Sub Type	Event Type	Message
96545	debug	sandboxing	error	Failed to connect to FortiSandbox server

Field	Field Description	Field Type
failed_ reason	reason of the failure	string

Log ID	Level	Sub Type	Event Type	Message
96556	warning	sandboxing	error	Failed to submit file to FortiSandbox server

Field	Field Description	Field Type
file	file location	string
error_ code	reason of the failure	int

Log ID	Level	Sub Type	Event Type	Message
96557	warning	sandboxing	error	Failed to query checksum to FortiSandbox server

Field	Field Description	Field Type
file	file location	string
error_ code	reason of the failure	int

Log ID	Level	Sub Type	Event Type	Message
96546	warning	sandboxing	action	Found virus

Field	Field Description	Field Type
action	action taken for the infected item	enumeration string
file	file location	string
virus	virus name	string
sigid	signature id	string
filesize	file size	int
checksum	file crc32 checksum	int
detectedby	the security feature that detected virus	enumeration string
detectedin	where the virus is detected	enumeration string

Log ID	Level	Sub Type	Event Type	Message
96547	info	sandboxing	error	Sandbox is not authorized
96554	info	sandboxing	status	file is submitted to Sandbox service

Field	Field Description	Field Type
file	file location	string
checksum	file SHA256 checksum	string

Log ID	Level	Sub Type	Event Type	Message
96555	debug	sandboxing	status	file score received

Field	Field Description	Field Type
file	file location	string
score	file score	int
checksum	file SHA256 checksum	string

securityevent > sslvpn

Log ID	Level	Sub Type	Event Type	Message
96600	info	sslvpn	status	SSLVPN tunnel status

Log ID	Level	Sub Type	Event Type	Message
				Field / **Field Description** / **Field Type** vpnstate / tunnel status / enumeration string vpntunnel / tunnel name / string
96601	error	sslvpn	error	Telephony service (TapiSrv) is not running
				Field / **Field Description** / **Field Type** vpnstate / tunnel status / enumeration string vpntunnel / tunnel name / string vpnuser / tunnel user name / string remotegw / remote gateway / string
96602	info	sslvpn	status	SSLVPN service started successfully
				Field / **Field Description** / **Field Type** vpnstate / tunnel status / enumeration string vpntunnel / tunnel name / string vpnuser / tunnel user name / string remotegw / remote gateway / string
96603	error	sslvpn	error	SSLVPN tunnel connection failed
				Field / **Field Description** / **Field Type** vpnstate / tunnel status / enumeration string vpntunnel / tunnel name / string vpnuser / tunnel user name / string remotegw / remote gateway / string
96605	warning	sslvpn	error	SSLVPN cannot connect because the specified application is not running

Log ID	Level	Sub Type	Event Type	Message
				Field / **Field Description** / **Field Type** app / application / string
96610	info	sslvpn	status	SSLVPN(DTLS) tunnel status
				Field / **Field Description** / **Field Type** vpnstate / tunnel status / enumeration string vpntunnel / tunnel name / string

securityevent > vulnerabilityscan

Log ID	Level	Sub Type	Event Type	Message
96520	info	vulnerabilityscan	status	The vulnerability scan status has changed
				Field / **Field Description** / **Field Type** status / scan status / string
96521	warning	vulnerabilityscan	status	A vulnerability scan result has been logged
				Field / **Field Description** / **Field Type** vulnid / id of the vulnerability / int vulnname / name of the vulnerability / string vulnseverity / severity level / string vulncat / category / string vulncvss / cvss score / string vulnref / reference of the vulnerability / string vulnengine / engine version / string vulnsignature / signature version / string vulnproducts / name of the vulnerable product / string

Log ID	Level	Sub Type	Event Type	Message

Field	Field Description	Field Type
detectedpath	detected path(s)	string

Log ID	Level	Sub Type	Event Type	Message
96522	info	vulnerabilityscan	action	Applying patch for vulnerability found

Field	Field Description	Field Type
vulnid	id of the vulnerability	int
vulnname	name of the vulnerability	string
vulnseverity	severity level	string
vulncat	category	string
vulncvss	cvss score	string
vulnref	reference of the vulnerability	string
vulnengine	engine version	string
vulnsignature	signature version	string
vulnproducts	name of the vulnerable product	string

Log ID	Level	Sub Type	Event Type	Message
96523	info	vulnerabilityscan	action	Applying patch for Windows vulnerability

Field	Field Description	Field Type
vulnid	id of the vulnerability	int
vulnname	name of the vulnerability	string
vulnseverity	severity level	string
vulncat	category	string
vulncvss	cvss score	string
vulnref	reference of the vulnerability	string
vulnengine	engine version	string
vulnsignature	signature version	string
vulnproducts	name of the vulnerable product	string

securityevent > webfilter

Log ID	Level	Sub Type	Event Type	Message
96500	info	webfilter	status	User enabled Webfilter
96501	warning	webfilter	status	User disabled Webfilter
96502	warning	webfilter	action	user's access to the url is blocked

Field	Field Description	Field Type
cat	category id	int
category	category name	string
service	network protocol	string
ip	IP address	string
status	status	enumeration string

Log ID	Level	Sub Type	Event Type	Message
96503	info	webfilter	action	user's access to the url is bypassed

Field	Field Description	Field Type
cat	category id	int
category	category name	string
service	network protocol	string
ip	IP address	string
status	status	enumeration string

systemevent > endpoint

Log ID	Level	Sub Type	Event Type	Message
96953	info	endpoint	status	Endpoint Control Status Changed

Field	Field Description	Field Type
eponlinest	online status	enumeration string
epplace	EP place	enumeration string

Log ID	Level	Sub Type	Event Type	Message
				Field / **Field Description** / **Field Type** emshostname / EMS host name / string status / status description / string
96955	info	endpoint	status	Endpoint Control Registration Status Changed
				Field / **Field Description** / **Field Type** emshostname / EMS host name / string status / status description / string emsip / EMS IP / string fctip / FCT IP / string
96956	info	endpoint	status	Endpoint Quarantine Status Changed
				Field / **Field Description** / **Field Type** epmgmtst / management status / enumeration string emshostname / EMS host name / string epquarmsg / quarant message / string
96957	info	endpoint	status	Endpoint Ext Log to FAZ
				Field / **Field Description** / **Field Type** epfeatures / installed features list / string epenfeatures / enabled features list / string ephbemsduration / EMS heart beat duration / int ephbemslast / EMS heart beat last time / string emshostname / EMS host name / string
96958	info	endpoint	status	User social media information
				Field / **Field Description** / **Field Type** social_srvc / social service / string

Log ID	Level	Sub Type	Event Type	Message
				Field / **Field Description** / **Field Type** social_user / social user name / string social_email / social email / string social_phone / social phone number / string
96959	info	endpoint	status	Current AV allowlist engine/signatures this endpoint is using **Field** / **Field Description** / **Field Type** emshostname / EMS host name / string avaleng / AV allowlist engine version / string avalsig / AV allowlist signatures version / string

systemevent > system

Log ID	Level	Sub Type	Event Type	Message
96800	info	system	error	Forcefully kill a child process after grace period expires **Field** / **Field Description** / **Field Type** apppath / process name / string
96801	error	system	error	The scheduler cannot start the scheduled task because the task's license is expired
96812	info	system	error	Update allowed only if you have a valid license
96813	info	system	status	Software updates are disabled
96814	info	system	status	Software updates from FortiGuard have been disabled because this client is managed
96815	info	system	error	Software updates require administrative privileges
96816	info	system	status	Software update successful
96817	info	system	error	Software update failed

Log ID	Level	Sub Type	Event Type	Message
96818	info	system	error	Unable to perform software update. Registry does not contain image id to download
96820	error	system	error	Failed to load the av engine
96821	error	system	error	Error patching AV signatur
96822	error	system	error	Unable to load FASLE engine
96823	info	system	status	Checking for updates
96824	info	system	status	Software update started
96825	info	system	status	Update was successful, current engine/signature information recorded

Field	Field Description	Field Type
avengine	AV engine	string
avsig	AV signature	string
avsigext	AV extended signature	string
avsigetm	AV extreme signature	string
avsigheu	AV heuristic signature	string
rootkitengine	anti-rootkit engine	string
rootkitsig	anti-rootkit signature	string
appsig	app DB signature	string
appengine	app DB engine	string
vulnsig	vulnerability signature	string
vulnengine	vulnerability engine	string
ipseng	firewall engine	string
ipssig	firewall signature	string
irdbsig	irdb signature	string

96840	warning	system	status	Fortiproxy is disabled
96841	info	system	status	Fortiproxy is enabled
96851	info	system	status	FortiShield is enabled
96850	warning	system	status	FortiShield is disabled
96855	warning	system	action	FortiShield has prevented an application from modifying a file or registry setting protected by FortiClient

Log ID	Level	Sub Type	Event Type	Message

Field	Field Description	Field Type
processname	blocked process	string
file	file or registry path	string

Log ID	Level	Sub Type	Event Type	Message
96873	info	system	status	FortiClient is shutting down
96882	info	system	status	Logged when push configuration is received

Field	Field Description	Field Type
policyname	policy name	string

systemevent > update

Log ID	Level	Sub Type	Event Type	Message
96650	info	update	status	Update was successful

Field	Field Description	Field Type
avengine	AV engine	string
avsig	AV signature	string
avsigext	AV extended signature	string
avsigetm	AV extreme signature	string
avsigheu	AV heuristic signature	string
avsigpallas	AV pallas signature	string
rootkitengine	anti-rootkit engine	string
rootkitsig	anti-rootkit signature	string
appsig	app DB signature	string
appengine	app DB engine	string
vulnsig	vulnerability signature	string
vulnengine	vulnerability engine	string
ipseng	firewall engine	string

Log ID	Level	Sub Type	Event Type	Message

Field	Field Description	Field Type
ipssig	firewall signature	string
irdbsig	irdb signature	string
avsiglastupdate	last update time	string

Log ID	Level	Sub Type	Event Type	Message
96819	info	update	status	Update was successful to the given version for the given module

Field	Field Description	Field Type
avengine	AV engine	string
avsig	AV signature	string
avsigext	AV extended signature	string
avsigetm	AV extreme signature	string
avsigheu	AV heuristic signature	string
rootkitengine	anti-rootkit engine	string
rootkitsig	anti-rootkit signature	string
appsig	app DB signature	string
appengine	app DB engine	string
vulnsig	vulnerability signature	string
vulnengine	vulnerability engine	string
ipseng	firewall engine	string
ipssig	firewall signature	string
irdbsig	irdb signature	string

traffic > system

Log ID	Level	Sub Type	Event Type	Message
96900	info	system	traffic	Traffic log

Log ID	Level	Sub Type	Event Type	Message

Field	Field Description	Field Type
sessionid	network session	string
regip	regip	string
srcname	source name	string
srcproduct	source product	string
srcip	source IP	string
srcport	source port	int
direction	traffic direction	string
dstip	destination IP	string
remotename	remote name	string
dstport	destination port	int
proto	network protocol	int
rcvdbyte	data received (in bytes)	int
sentbyte	data sent (in bytes)	int
utmaction	utm action	string
utmevent	utm event	string
threat	threat	string
service	network protocol	string
userinitiated	if user initiated url request	int
browsetime	user browsing time of web page(in seconds)	int
url	url	string

Linux

FortiClient has three log types: security event, system event, and traffic. This section contains the following information for FortiClient (Linux):

- Mandatory fields on page 35: fields that are mandatory to all FortiClient (Linux) logs.
- Log fields by type on page 36: fields that only apply to security event logs.
- Log message by type on page 39: lists each possible log message, sorted by log type and subtype.

Mandatory fields

Log Field Name	Description	Data Type
date	date	string
time	time	string
logver	log protocol version	int
id	log id	int
type	Traffic, Security Event or System Event	string
subtype	AntiVirus, FireWall, WebFilter ...	enumeration string
eventtype	type of event	enumeration string
level	log level	enumeration string
uid	FortiClient unique ID	string
devid	device ID	string
hostname	host name of local machine	string
pcdomain	domain name of local machine	string
deviceip	device IP address	string
devicemac	device MAC address	string
vd	vdom	string
fctver	FCT version	string
fgtserial	FGT serial number	string
emsserial	EMS serial number	string

Log Field Name	Description	Data Type
usingpolicy	current policy name	string
os	operating system	string
user	current logged on user	string
msg	description of this log	string

Log fields by type

securityevent

Log Field Name	Description	Data Type	Length
action	block or monitor	string	32
file	file location	string	256
virus	virus name	string	512
sigid	signature id	string	260
from	email from	string	128
to	email to	string	512
service	network protocol	string	64
vpn	vpn tunnel name	string	32
filesize	file size	int	20
checksum	file crc32 checksum	int	20
detectedby	the security feature that detected virus	enumeration string	64
detectedin	where the virus is detected	enumeration string	64
viruscat	virus category	string	260
vulnid	id of the vulnerability	int	20
vulnname	name of the vulnerability	string	128
vulnseverity	severity level	string	8
vulncat	category	string	32
vulncvss	cvss score	string	64
vulnref	reference of the vulnerability	string	256

Log Field Name	Description	Data Type	Length
vulnengine	engine version	string	64
vulnsignature	signature version	string	260
vulnproducts	name of the vulnerable product	string	2048
date	date	string	260
time	time	string	260
logver	log protocol version	int	20
id	log id	int	20
type	Traffic, Security Event or System Event	string	16
subtype	AntiVirus, FireWall, WebFilter ...	enumeration string	32
eventtype	type of event	enumeration string	32
level	log level	enumeration string	20
uid	FortiClient unique ID	string	32
devid	device ID	string	16
hostname	host name of local machine	string	256
pcdomain	domain name of local machine	string	128
deviceip	device IP address	string	20
devicemac	device MAC address	string	17
vd	vdom	string	512
fctver	FCT version	string	16
fgtserial	FGT serial number	string	16
emsserial	EMS serial number	string	16
usingpolicy	current policy name	string	64
os	operating system	string	96
user	current logged on user	string	256
msg	description of this log	string	512

systemevent

Log Field Name	Description	Data Type	Length
eponlinest	online status	enumeration string	32
epplace	EP place	enumeration string	32
emshostname	EMS host name	string	64
status	status description	string	16
emsip	EMS IP	string	20
fctip	FCT IP	string	20
epmgmtst	management status	enumeration string	64
epquarmsg	quarant message	string	260
epfeatures	installed features list	string	128
epenfeatures	enabled features list	string	128
ephbemsduration	EMS heart beat duration	int	20
ephbemslast	EMS heart beat last time	string	64
social_email	social email	string	128
social_phone	social phone number	string	64
social_srvc	social service	string	64
social_user	social user name	string	256
date	date	string	260
time	time	string	260
logver	log protocol version	int	20
id	log id	int	20
type	Traffic, Security Event or System Event	string	16
subtype	AntiVirus, FireWall, WebFilter ...	enumeration string	32
eventtype	type of event	enumeration string	32
level	log level	enumeration string	20
uid	FortiClient unique ID	string	32

Log Field Name	Description	Data Type	Length
devid	device ID	string	16
hostname	host name of local machine	string	256
pcdomain	domain name of local machine	string	128
deviceip	device IP address	string	20
devicemac	device MAC address	string	17
vd	vdom	string	512
fctver	FCT version	string	16
fgtserial	FGT serial number	string	16
emsserial	EMS serial number	string	16
usingpolicy	current policy name	string	64
os	operating system	string	96
user	current logged on user	string	256
msg	description of this log	string	512

Log message by type

securityevent > av

Log ID	Level	Sub Type	Event Type	Message
96530	warning	av	action	Found virus

Field	Field Description	Field Type
action	block or monitor	string
file	file location	string
virus	virus name	string
sigid	signature id	string
from	email from	string
to	email to	string
service	network protocol	string
vpn	vpn tunnel name	string

Log ID	Level	Sub Type	Event Type	Message

Field	Field Description	Field Type
filesize	file size	int
checksum	file crc32 checksum	int
detectedby	the security feature that detected virus	enumeration string
detectedin	where the virus is detected	enumeration string

Log ID	Level	Sub Type	Event Type	Message
96531	warning	av	warning	Found malware

Field	Field Description	Field Type
action	block or monitor	string
file	file location	string
virus	virus name	string
viruscat	virus category	string
sigid	signature id	string
filesize	file size	int
checksum	file crc32 checksum	int
detectedby	the security feature that detected virus	enumeration string
detectedin	where the virus is detected	enumeration string

securityevent > vulnerabilityscan

Log ID	Level	Sub Type	Event Type	Message
96521	info	vulnerabilityscan	status	A vulnerability scan result has been logged

Field	Field Description	Field Type
vulnid	id of the vulnerability	int
vulnname	name of the vulnerability	string
vulnseverity	severity level	string

Log ID	Level	Sub Type	Event Type	Message

Field	Field Description	Field Type
vulncat	category	string
vulncvss	cvss score	string
vulnref	reference of the vulnerability	string
vulnengine	engine version	string
vulnsignature	signature version	string
vulnproducts	name of the vulnerable product	string

Log ID	Level	Sub Type	Event Type	Message
96522	info	vulnerabilityscan	status	Applying patch for vulnerability found

Field	Field Description	Field Type
vulnid	id of the vulnerability	int
vulnname	name of the vulnerability	string
vulnseverity	severity level	string
vulncat	category	string
vulncvss	cvss score	string
vulnref	reference of the vulnerability	string
vulnengine	engine version	string
vulnsignature	signature version	string
vulnproducts	name of the vulnerable product	string

systemevent > endpoint

Log ID	Level	Sub Type	Event Type	Message
96953	info	endpoint	status	Endpoint Control Status Changed

Log ID	Level	Sub Type	Event Type	Message
				Field / **Field Description** / **Field Type** eponlinest / online status / enumeration string epplace / EP place / enumeration string emshostname / EMS host name / string status / status description / string
96955	info	endpoint	status	Endpoint Control Registration Status Changed
				Field / **Field Description** / **Field Type** emshostname / EMS host name / string status / status description / string emsip / EMS IP / string fctip / FCT IP / string
96956	info	endpoint	status	Endpoint Quarantine Status Changed
				Field / **Field Description** / **Field Type** epmgmtst / management status / enumeration string epquarmsg / quarant message / string emshostname / EMS host name / string
96957	info	endpoint	status	Endpoint Ext Log to FAZ
				Field / **Field Description** / **Field Type** epfeatures / installed features list / string epenfeatures / enabled features list / string ephbemsduration / EMS heart beat duration / int ephbemslast / EMS heart beat last time / string emshostname / EMS host name / string
96958	info	endpoint	status	User social media information

Log ID	Level	Sub Type	Event Type	Message

Field	Field Description	Field Type
social_email	social email	string
social_phone	social phone number	string
social_srvc	social service	string
social_user	social user name	string

www.fortinet.com