http log

FIELD

ts

conn_state

REJ

S2

S3

RSTO

RSTR

RSTOSO

RSTRH

SH

SHR

ОТН

history

A summarized state for each connection

Connection attempt seen, no reply

Connection attempt rejected

Established, Orig aborted (RST)

Established, Resp aborted (RST)

Orig sent SYN then RST; no Resp SYN-ACK

Resp sent SYN-ACK then RST; no Orig SYN

Resp sent SYN-ACK then FIN; no Orig SYN

No SYN, not closed. Midstream traffic.

Orig UPPERCASE, Resp lowercase, compressed

A SYN without the ACK bit set

A SYN-ACK ("handshake")

Packet with payload ("**d**ata")

Packet with a bad **c**hecksum

Inconsistent packet (Both SYN & RST)

Multi-flag packet (SYN & FIN or SYN + RST)

Packet with zero window advertisement

Packet with FIN bit set

Packet with **R**ST bit set

Retransmitted packet

Flipped connection

A pure **A**CK

Partial connection.

Connection established, not terminated (0 byte counts)

Established, Orig attempts close, no reply from Resp

Established, Resp attempts close, no reply from Orig

Orig sent SYN then FIN; no Resp SYN-ACK ("half-open")

Normal establish & termination (>0 byte counts)

radius.log | RADIUS authentication attempts FIELD

FIELD	TYPE	DESCRIPTION
ts	time	Timestamp for when event happened
uid & id		Underlying connection info > See conn.log
username	string	Username, if present
mac	string	MAC address, if present
framed_addr	addr	Address given to network access server, if present
tunnel_client	string	Address (IPv4, IPv6, or FQDN) of initiator end of tunnel, if present
connect_info	string	Connect info, if present
reply_msg	string	Reply message from server challenge
result	string	Successful or failed authentication
ttl	interval	Duration between first request and either Access-Accept message or an error

Sip.log | SIP analysis

IELD	ТҮРЕ	DESCRIPTION
5	time	Timestamp when request happened
id & id		Underlying connection info > See conn.log
rans_depth	count	Pipelined depth into request/response transaction
nethod	string	Verb used in SIP request (INVITE, etc)
ri	string	URI used in request
ate	string	Contents of Date: header from client
equest_from	string	Contents of request From: header ¹
equest_to	string	Contents of To: header
esponse_from	string	Contents of response From: header ¹
esponse_to	string	Contents of response To: header
eply_to	string	Contents of Reply-To: header
all_id	string	Contents of Call-ID: header from client
eq	string	Contents of CSeq: header from client
ubject	string	Contents of Subject: header from client
equest_path	vector	Client message transmission path, extracted from headers
esponse_path	vector	Server message transmission path, extracted from headers
ser_agent	string	Contents of User-Agent: header from client

ts

uid & id

proto

uid & id

action

FIELD

uid & id

name

addl

notice

peer

ts

ts

rtt

ts

uid & id

usernam

hostnam

domainnam

computer name

_computer_name

server_tree_name

server nb

server_dns

ssl

uid & id

named_pipe

endpoint

operation

id

certificate

basic_constraints

ts

tunnel_type

weird.log

SSI. IOG | SSL handshakes

FIELD	ΤΥΡΕ	DESCRIPTION	
ts	time	Time when SSL connection first detected	
uid & id		Underlying connection info > See conn.log	
version	string	SSL/TLS version server chose	
cipher	string	SSL/TLS cipher suite server chose	
curve	string	Elliptic curve server chose when using ECDH/ECDHE	
server_name	string	Value of Server Name Indicator SSL/TLS extension	
resumed	bool	Flag that indicates session was resumed	
last_alert	string	Last alert seen during connection	
next_protocol	string	Next protocol server chose using application layer next protocol extension, if present	
established	bool	Flags if SSL session successfully established	
cert_chain_fuids	vector	Ordered vector of all certificate file unique IDs for certificates offered by server	
client_cert_chain _fuids	vector	Ordered vector of all certificate file unique IDs for certificates offered by client	
subject	string	Subject of X.509 cert offered by server	
issuer	string	Subject of signer of X.509 server cert	
client_subject	string	Subject of X.509 cert offered by client	
client_issuer	string	Subject of signer of client cert	
validation_status	string	Certificate validation result for this connection	
ocsp_status	string	OCSP validation result for this connection	
valid_ct_logs	count	Number of different logs for which valid SCTs encountered in connection	
valid_ct_operators	count	Number of different log operators for which valid SCTs encountered in connection	
notary	record Cert Notary:: Response	Response from the ICSI certificate notary	
SYSIOG.IOG Syslog messages			

intel.log | Intelligence data matches

 \triangle Alert logs

FIELD		DESCRIPTION
ts	time	Timestamp when data discovered
uid & id		Underlying connection info > See conn.log
seen	record Intel::- Seen	Where data was seen
matched	set [enum]	Which indicator types matched
sources	set [string]	Sources which supplied data that resulted in match
fuid	string	If file was associated with this intelligence hit, this is uid for file
file_mime_type	string	Mime type if intelligence hit is related to file
file_desc	string	Files 'described' to give more context
cif	record	CIF
	J .	0
FIELD	ТҮРЕ	DESCRIPTION
FIELD ts	TYPE time	DESCRIPTION Timestamp for when notice occurred
FIELD ts uid & id	TYPE time	DESCRIPTION Timestamp for when notice occurred Underlying connection info > See conn.log
FIELD ts uid & id fuid	TYPE time string	DESCRIPTION Timestamp for when notice occurred Underlying connection info > See conn.log File unique ID if notice related to a file
FIELD ts uid & id fuid file_mime_type	TYPE time string string	DESCRIPTION Timestamp for when notice occurred Underlying connection info > See conn.log File unique ID if notice related to a file Mime type if notice related to a file
FIELD ts uid & id fuid file_mime_type file_desc	TYPE time string string string	DESCRIPTION Timestamp for when notice occurred Underlying connection info > See conn.log File unique ID if notice related to a file Mime type if notice related to a file Files 'described' to give more context
FIELD ts uid & id fuid file_mime_type file_desc proto	TYPE time string string string enum	DESCRIPTION Timestamp for when notice occurred Underlying connection info > See conn.log File unique ID if notice related to a file Mime type if notice related to a file Files 'described' to give more context Transport protocol
FIELD ts uid & id fuid file_mime_type file_desc proto note	TYPE time string string string enum enum	DESCRIPTION Timestamp for when notice occurred Underlying connection info > See conn.log File unique ID if notice related to a file Mime type if notice related to a file Files 'described' to give more context Transport protocol Notice::Type of notice
FIELD ts uid & id fuid file_mime_type file_desc proto note msg	TYPE time string string string enum enum string	DESCRIPTION Timestamp for when notice occurred Underlying connection info > See conn.log File unique ID if notice related to a file Mime type if notice related to a file Files 'described' to give more context Transport protocol Notice::Type of notice Human readable message for notice
FIELD ts uid & id fuid file_mime_type file_desc proto note msg sub	TYPE time string string enum enum string string	DESCRIPTION Timestamp for when notice occurred Underlying connection info > See conn.log File unique ID if notice related to a file Mime type if notice related to a file Files 'described' to give more context Transport protocol Notice::Type of notice Human readable message for notice Human readable sub-message
FIELD ts uid & id fuid file_mime_type file_desc proto note msg sub src	TYPE time string string enum enum string string string	DESCRIPTION Timestamp for when notice occurred Underlying connection info > See conn.log File unique ID if notice related to a file Mime type if notice related to a file Files 'described' to give more context Transport protocol Notice::Type of notice Human readable message for notice Human readable sub-message Source address, if no conn_id
FIELD ts uid & id fuid file_mime_type file_desc proto note msg sub src dst	TYPE time string string enum enum string string addr addr	DESCRIPTION Timestamp for when notice occurred Underlying connection info > See conn.log File unique ID if notice related to a file Mime type if notice related to a file Files 'described' to give more context Transport protocol Notice::Type of notice Human readable message for notice Source address, if no conn_id Destination address
FIELD ts uid & id fuid fuid file_mime_type file_desc proto note msg sub src dst p	TYPE time string string enum enum string string addr addr addr	DESCRIPTION Timestamp for when notice occurred Underlying connection info > See conn.log File unique ID if notice related to a file Mime type if notice related to a file Files 'described' to give more context Transport protocol Notice::Type of notice Human readable message for notice Source address, if no conn_id Destination address Associated port, if no conn_id
FIELD ts uid & id fuid file_mime_type file_desc proto note msg sub src dst p n n	TYPE time string string enum enum string string string addr addr port count	DESCRIPTION Timestamp for when notice occurred Underlying connection info > See conn.log File unique ID if notice related to a file Mime type if notice related to a file Files 'described' to give more context Transport protocol Notice::Type of notice Human readable message for notice Human readable sub-message Source address, if no conn_id Destination address Associated port, if no conn_id Associated count or status code
FIELD ts uid & id fuid file_mime_type file_desc proto note msg sub src dst p n peer_descr	TYPE time string string enum enum string string addr addr addr port count string	DESCRIPTION Timestamp for when notice occurred Underlying connection info > See conn.log File unique ID if notice related to a file Mime type if notice related to a file Files 'described' to give more context Transport protocol Notice::Type of notice Human readable message for notice Human readable sub-message Source address, if no conn_id Destination address Associated port, if no conn_id Associated count or status code Text description for peer that raised notice, including name, host address and port
FIELD ts uid & id fuid fuid file_mime_type file_desc proto note msg sub src dst p n peer_descr actions	TYPE time string string string enum enum string string addr addr addr port count string string string string	DESCRIPTION Timestamp for when notice occurred Underlying connection info > See conn.log File unique ID if notice related to a file Mime type if notice related to a file Files 'described' to give more context Transport protocol Notice::Type of notice Human readable message for notice Human readable sub-message Source address, if no conn_id Destination address Associated port, if no conn_id Associated count or status code Text description for peer that raised notice, including name, host address and port Actions applied to this notice

SURICATA

AVAILABLE WITH CORELIGHT

Corelight's Suricata and Zeek logs link alerts and evidence to accelerate incident response

suricata_corelight.log

ELD	ТҮРЕ	DESCRIPTION
	time	Timestamp of the Suricata alert
l & id		Underlying connection info > See conn.log
ert.category	string	Type of attack being detected
ert.metadata	vector	All metadata keywords from signature in "name:value" format. Conveys info such as modification time, deployment location, etc.
ert.rev	integer	Revision number of signature
ert.severity	count	Seriousness of attack, with 1 being most severe
ert.signature	string	Human-readable description of the attack type
ert.signature_id	count	Numeric signature identifier
mmunity_id	string	The community ID generated by Suricata, if community ID is configured
w_id	count	The Suricata-assigned flow ID in which the alert occurred
etadata	vector of strings	Application layer metadata, if any, associated with the alert (for example, flowbits)
ap_cnt	count	The PCAP record count, present when the packet that generated the alert origi- nated from a PCAP field
ries	count	The number of retries performed to write this log entry. Used in diagnostic sessions.
rvice	string	The application protocol
ri_id	string	The unique ID for the log record

The Suricata-assigned transaction ID in

which the alert occurred

LOG CHEATSHEETS

Corelight

Don't defend alone. Nothing is faster than a community-based approach to security.

Zeek logs

ΓΥΡΕ

string

record

conn_id

addr

port

addr

port

enum

string

count

count

string

bool

bool

count

string

count

count

count

count

table

string

string

int

interval

time

ts

uid

id

> id.orig_h

> id.orig_p

> id.resp_h

> id.resp_p

proto

service

duration

orig_bytes

resp_bytes

conn_state

local_orig

local_resp

history

orig_pkts

resp_pkts

orig_ip_bytes

resp_ip_bytes

tunnel_parents

orig_12_addr

resp_I2_addr

inner vlan

vlan

missed_bytes

CONN. OG | IP, TCP, UDP, ICMP connection details

DESCRIPTIO

Timestamp of first packet

Unique identifier of connection

Connection's 4-tuple of endpoint addresses

IP address of system initiating connection

Port from which the connection is initiated

Port on which connection response is sent

Application protocol ID sent over connection

Number of payload bytes originator sent

Number of payload bytes responder sent

Value=T if connection originated locally

Value=T if connection responded locally

Number of bytes missed (packet loss)

Number of packets originator sent

Number of packets responder sent

Number of originator IP bytes

Number of responder IP bytes

of encapsulating parent(s)

(via IP total_length header field)

Link-layer address of originator

Link-layer address of responder

Outer VLAN for connection

Inner VLAN for connection

If tunneled, connection UID value

(via IP total_length header field)

Connection state history

(see conn.log > history)

Connection state (see conn.log > conn_state)

Transport layer protocol of connection

How long connection lasted

IP address of system responding to

connection request

dhcp.log | DHCP lease activity

-	-	
FIELD	ТҮРЕ	DESCRIPTION
ts	time	Earliest time DHCP message observed
uids	table	Unique identifiers of DHCP connections
client_addr	addr	IP address of client
server_addr	addr	IP address of server handing out lease
mac	string	Client's hardware address
host_name	string	Name given by client in Hostname option 12
client_fqdn	string	FQDN given by client in Client FQDN option 81
domain	string	Domain given by server in option 15
requested_addr	addr	IP address requested by client
assigned_addr	addr	IP address assigned by server
lease_time	interval	IP address lease interval
client_message	string	Message with DHCP_DECLINE so client can tell server why address was rejected
server_message	string	Message with DHCP_NAK to let client know why request was rejected
msg_types	vector	DHCP message types seen by transaction
duration	interval	Duration of DHCP session
msg_orig	vector	Address originated from msg_types field
client_software	string	Software reported by client in vendor_class
server_software	string	Software reported by server in vendor_class
circuit_id	string	DHCP relay agents that terminate circuits
agent_remote_id	string	Globally unique ID added by relay agents to identify remote host end of circuit
subscriber_id	string	Value independent of physical network connection that provides customer DHCP configuration regardless of physical location

dns.log | DNS query/response details

FIELD	ТҮРЕ	DESCRIPTION
ts	time	Earliest timestamp of DNS protocol message
uid & id		Underlying connection info > See conn.log
proto	enum	Transport layer protocol of connection
trans_id	count	16-bit identifier assigned by program that generated DNS query
rtt	interval	Round trip time for query and response
query	string	Domain name subject of DNS query
qclass	count	QCLASS value specifying query class
qclass_name	string	Descriptive name query class
qtype	count	QTYPE value specifying query type
qtype_name	string	Descriptive name for query type
rcode	count	Response code value in DNS response
rcode_name	string	Descriptive name of response code value
AA	bool	Authoritative Answer bit: responding name server is authority for domain name
тс	bool	Truncation bit: message was truncated
RD	bool	Recursion Desired bit: client wants recursiv service for query
RA	bool	Recursion Available bit: name server supports recursive queries
Z	count	Reserved field, usually zero in queries and responses
answers	vector	Set of resource descriptions in query answer
TTLs	vector	Caching intervals of RRs in answers field
rejected	bool	DNS query was rejected by server
auth	table	Authoritative responses for query
addl	table	Additional responses for query

dpd.log | Dynamic protocol detection failures

FIELD	TYPE	DESCRIPTION
ts	time	Timestamp when protocol analysis failed
uid & id		Underlying connection info > See conn.log
proto	enum	Transport protocol for violation
analyzer	string	Analyzer that generated violation
failure_reason	string	Textual reason for analysis failure
packet_segment	string	Payload chunk that most likely resulted in

TILLP.IOG THIP request/re	ply details
---------------------------	-------------

		request reply details	status_c
FIELD	ΤΥΡΕ	DESCRIPTION	status_n
ts	time	Timestamp for when request happened	warning
uid & id		Underlying connection info > See conn.log	request_
trans_depth	count	Pipelined depth into connection	
method	string	Verb used in HTTP request (GET, POST, etc.)	respons _ len
host	string	Value of HOST header	- content
uri	string	URI used in request	1 74
referrer	string	Value of referer header	' The tag
version	string	Value of version portion of request	c
user_agent	string	Value of User-Agent header from client	SITH
origin	string	Value of Origin header from client	EIEL D
request_body_len	count	Uncompressed data size from client	ts
response_body _len	count	Uncompressed data size from server	uid & id
status_code	count	Status code returned by server	trans_de
status_msg	string	Status message returned by server	helo
info_code	count	Last seen 1xx info reply code from server	mailfron
info_msg	string	Last seen 1xx info reply message from server	rcptto date
tags	table	Indicators of various attributes discovered	from
username	string	Username if basic-auth performed for request	to
password	string	Password if basic-auth performed for request	reply_to
proxied	table	All headers indicative of proxied request	msg_id
orig_fuids	vector	Ordered vector of file unique IDs	in_reply
orig_filenames	vector	Ordered vector of filenames from client	subject
orig_mime_types	vector	Ordered vector of mime types	x_origina
resp_fuids	vector	Ordered vector of file unique IDs	first_rec
resp_filenames	vector	Ordered vector of filenames from server	second_
resp_mime_types	vector	Ordered vector of mime types	last_repl
client_header _names	vector	Vector of HTTP header names sent by client	path user_age
server_header _names	vector	Vector of HTTP header names sent by server	tls fuids
cookie_vars	vector	Variable names extracted from all cookies	is webr
uri_vars	vector	Variable names from URI	13_00000

irc.log | IRC communication details

FIELD	TYPE	DESCRIPTION
ts	time	Timestamp when command seen
uid & id		Underlying connection info > See conn.log
nick	string	Nickname given for connection
user	string	Username given for connection
command	string	Command given by client
value	string	Value for command given by client
addl	string	Any additional data for command
dcc_file_name	string	DCC filename requested
dcc_file_size	count	DCC transfer size as indicated by sender
dcc_mime_type	string	Sniffed mime type of file
fuid	string	File unique ID

kerberos.log | Kerberos authentication

ts	time	Timestamp for when event happened
uid & id		Underlying connection info > See conn.log
request_type	string	Authentication Service (AS) or Ticket Granting Service (TGS)
client	string	Client
service	string	Service
success	bool	Request result
error_msg	string	Error message
from	time	Ticket valid from
till	time	Ticket valid until
cipher	string	Ticket encryption type
forwardable	bool	Forwardable ticket requested
renewable	bool	Renewable ticket requested
client_cert _subject	string	Subject of client certificate, if any
client_cert_fuid	string	File unique ID of client cert, if any
server_cert _subject	string	Subject of server certificate, if any
server_cert_fuid	string	File unique ID of server cert, if any
auth_ticket	string	Ticket hash authorizing request/transaction
new ticket	string	Ticket hash returned by KDC

user_agent	string	Contents of User-Agent: header from client
status_code	count	Status code returned by server
status_msg	string	Status message returned by server
warning	string	Contents of Warning: header
request_body_len	count	Contents of Content-Length: header from client
response_body _ len	count	Contents of Content-Length: header from server
content_type	string	Contents of Content-Type: header from server
¹ The tag= value usually appended to the sender is stripped off and not logged.		

mtp.log | SMTP transactions

	TYPE	DESCRIPTION
	time	Timestamp when message was first seen
		Underlying connection info > See conn.log
epth	count	Transaction depth if there are multiple msgs
	string	Contents of Helo header
n	string	Email addresses found in From header
	table	Email addresses found in Rcpt header
	string	Contents of Date header
	string	Contents of From header
	table	Contents of To header
	table	Contents of CC header
	string	Contents of ReplyTo header
	string	Contents of MsgID header
to	string	Contents of In-Reply-To header
	string	Contents of Subject header
ating_ip	addr	Contents of X-Originating-IP header
eived	string	Contents of first Received header
received	string	Contents of second Received header
y	string	Last message server sent to client
	vector	Message transmission path, from headers
ent	string	Value of User-Agent header from client
	bool	Indicates connection switched to using TLS
	vector	File unique IDs attached to message
nail	bool	If message sent via webmail

snmp.log | SNMP messages

ts

uid & id

version

password

status

FIE

ts uid & io

versio auth_s

auth_a

directio

client

cipher

mac_a

compi kex_al

host_k

host_ke

remote

user

FIELD	IYPE	DESCRIPTION
ts	time	Timestamp of first packet of SNMP session
uid & id		Underlying connection info > See conn.log
duration	interval	Amount of time between first packet belonging to SNMP session and latest seen
version	string	Version of SNMP being used
community	string	Community string of first SNMP packet associated with session
get_requests	count	Number of variable bindings in GetRequest GetNextRequest PDUs seen for session
get_bulk_requests	count	Number of variable bindings in GetBulkRequest PDUs seen for session
get_responses	count	Number of variable bindings in Get- Response/Response PDUs seen for session
set_requests	count	Number of variable bindings in SetRequest PDUs seen for session
display_string	string	System description of SNMP responder endpoint
up_since	time	Time at which SNMP responder endpoint claims it's been up since

SOCKS.log | SOCKS proxy requests

9.30	end proxy requests
ΤΥΡΕ	DESCRIPTION
time	Time when proxy connection detected
	Underlying connection info > See conn.log
count	Protocol version of SOCKS
string	Username used to request a login to proxy
string	Password used to request a login to proxy
string	Server status for attempt at using proxy
record	Client requested SOCKS address

facility	string	Syslog facility for message
severity	string	Syslog severity for message
message	string	Plain text message
tunnel.l	00 D	etails of encapsulating tunne
FIELD	ΤΥΡΕ	DESCRIPTION
4 -		The second definition of the second second

Tunnel type

DESCRIPTION

weird, if any

time

enum

enum

enum

TYPE

time

string

string

bool

string

TYPE

time

string

Certificate

Subject

Name

Basic

time

interval

string

time

string

string

string

string

string

string

ntlm.log | NT LAN Manager (NTLM)

Alternative

record X509::

Microsoft logs

dce_rpc.log | Details on DCE/RPC messages

Constraints

record X509::

x509.log | X.509 certificate info

DESCRIPTION

Timestamp when syslog message was seen

Underlying connection info > See conn.log

Underlying connection info > See conn.log

Unexpected network/protocol activity

Underlying connection info > See conn.log

Additional information accompanying

Type of activity that occurred

Time when weird occurred

Name of weird that occurred

If weird was turned into a notice

Peer that originated weird

Current timestame

File ID of certificate

record X509:: Basic information about certificate

certificate

Subject alternative name extension of

Basic constraints extension of certificate

Timestamp for when event happened

Underlying connection info > See conn.log

Round trip time from request to response

Endpoint name looked up from uuid

Timestamp for when event happened

mote pipe name

Operation seen in call

DESCRIPTION

Protocol over which message was seen

els Time at which tunnel activity occurred



Encrypted Traffic collection

tx_id

count

AVAILABLE WITH CORELIGHT \mathbf{C}

Packages	
PACKAGE	DESCRIPTION
Cert Hygiene	Tracks risk indicators in TLS traffic, such as newly-minted certificates, expiring certificates, and weak encryption keys
Encrypted DNS	Flags known servers that use encrypted DNS traffic
Encryption Detection	Tracks and logs information regarding the visibility of transport flows
SSH Inference	Makes inferences about the purpose of SSH connections, such as interactivity or file transfer
SSH Stepping Stones	Detects a series of intermediary hosts connected via SSH

Notices

Corelight's Encrypted Traffic collection generates notice logs that highlight both misconfigurations and potential attacker behavior, without needing a decrypted packet feed

	NOTICE	DESCRIPTION		
	SSL::Certificate_Expired	Generated for certificates with an expiration date in the past		
	SSL::Certificate_Expires_Soon	Generated for certificates set to expire within X days (configurable in the UI)		
SSL::Certificate_Not_Val- id_Yet Generated for certificates whose validity date is in the future				
	SSL::Certificate_ls_New	Generated for newly minted certificates Y days or younger (configurable in the UI)		
	SSL::Invalid_Server_Cert	Generated when any part of the certificate validation chain fails		
c.	SSL::Weak_Key	Generated for certificates whose keys are under 2048 bits Generated if SSL version 2 or 3 is detected		
2	SSL::Old_Version			
	SSL::Weak_Cipher	Generated if a deprecated cipher suite is used		
Viz::UnencryptedService A service was detected in plaintext on a port normally reserved for encrypted traffic Viz::CustomCrypto Encrypted traffic was detected without a certificate exchange or handshake, implying the use of a custom cryptogr		A service was detected in plaintext on a port normally reserved for encrypted traffic		
		Encrypted traffic was detected without a certificate exchange or handshake, implying the use of a custom cryptographic setup		

SSH inferences

The value of the inference field is a code that describes the SSH traffic

Underlying connection info > See conn.log			
Username given by client	CODE	NAME	
Hostname given by client	ABP	Client Authentication Bypass	A client wasn't adhering to expectations of SSH either through server exploit or by the client
Domainname given by client			and server switching to a protocol other than SSH after encryption begins
NetBIOS name given by server in a CHALLENGE	AFR	SSH Agent Forwarding Requested	Agent forwarding is requested by the Client
DNS name given by server in a CHALLENGE	APWA	Automated Password Authentication	The client authenticated with an automated password tool (like sshpass)
Tree name given by server in a CHALLENGE	AUTO	Automated Interaction	The client is a script or automated utility and not driven by a user
Indicates whether or not authentication was successful	BAN	Server Banner	The server sent the client a pre-authentication banner, likely for legal reasons
e Desktop Protocol (RDP)	BF	Client Brute Force Guessing	A client made a number of authentication attempts that exceeded some configured, per-connection threshold
DESCRIPTION	BFS	Client Brute Force Success	A client made a number of authentication attempts that exceeded some configured, per-connection threshold
Timestamp for when event happened	CTS	Client Trusted Server	The client already has an entry in its known hosts file for this server
Underlying connection info > See conn.log			
Cookie value used by client machine	CUS	Client Untrusted Server	The client did not have an entry in its known_hosts file for this server
Security protocol chosen by server	IPWA	Interactive Password Authentication	The client interactively typed their password to authenticate
Channels requested by the client			An interactive session occurred in which the client set user-driven keystrokes to
Keyboard layout (language) of client machine	KS	Keystrokes	the server
RDP client version used by client machine	LFD	Large Client File Download	A file transfer occurred in which the server sent a sequence of bytes to the client
Name of client machine	I FU	Large Client File Upload	A file transfer occurred in which the client sent a sequence of bytes to the server.
Product ID of client machine			Large files are identified dynamically based on trains of MTU-sized packets
Desktop width of client machine	MFA	Multifactor Authentication	The server required a second form of authentication (a code) after a password or public key was accepted, and the client successfully provided it
Desktop height of client machine	NA	None Authentication	The client successfully authenticated using the None method
in high_color_depth field	NRC	No Remote Command	The -N flag was used in the SSH session
encryption, type of cert being used	РКА	Public Key Authentication	The client automatically authenticated using pubkey authentication
Number of certs seen			
Indicates if provided certificate or certificate chain is permanent or temporary	RSI	Reverse SSH Initiated	The Reverse session is initiated from the server back to the Client
Encryption level of connection	RSIA	Reverse SSH Initiation Automated	The initiation of the Reverse session happened very early in the packet stream, indicating automation
Encryption method of connection	RSK	Reverse SSH Keystrokes	Keystrokes are detected within the Reverse tunnel
Flag connection if seen over SSL	RSL	Reverse SSH Logged In	The Reverse tunnel login has succeeded
Q Details on SMB files	RSP	Reverse SSH Provisioned	The client connected with a -R flag, which provisions the ports to be used for a Reverse Session set up at any future time
DESCRIPTION	SA	Authentication Scanning	The client scanned authentication methods with the server and then disconnected
Time when file was first discovered	SC	Capabilities Scanning	A client exchanged capabilities with the server and then disconnected
Underlying connection info > See conn.log			
Unique ID of file	SFD	Small Client File Download	A file transfer occurred in which the server sent a sequence of bytes to the client
Action this log record represents Path pulled from tree that file was	SFU	Small Client File Upload	A file transfer occurred in which the client sent a sequence of bytes to the server
transferred to or from Filename if one was seen	SP	Other Scanning	A client and server didn't exchange encrypted packets but the client wasn't a version or capabilities scanner
i nename il one was seen			

remote_location record If GeoIP support is built in, notices have geo_loca- geographic information attached to them tion Indicate if \$src IP address was dropped and bool dropped

files.log | File analysis results

FIELD	ΤΥΡΕ	DESCRIPTION
ts	time	Time when file first seen
fuid	string	Identifier associated with single file
tx_hosts	table	Host or hosts data sourced from
rx_hosts	table	Host or hosts data traveled to
conn_uids	table	Connection UID(s) over which file transferred
source	string	Identification of file data source
depth	count	Value to represent depth of file in relation to source
analyzers	table	Set of analysis types done during file analysis
mime_type	string	Mime type, as determined by Zeek's signature
filename	string	Filename, if available from file source
duration	interval	Duration file was analyzed for
local_orig	bool	Indicates if data originated from local network
is_orig	bool	If file sent by connection originator or responde
seen_bytes	count	Number of bytes provided to file analysis engine
total_bytes	count	Total number of bytes that should compris full file
missing_bytes	count	Number of bytes in file stream missed
overflow_bytes	count	Number of bytes in file stream not delivere to stream file analyzers
timedout	bool	If file analysis timed out at least once
parent_fuid	string	Container file ID was extracted from
md5	string	MD5 digest of file contents
sha1	string	SHA1 digest of file contents
sha256	string	SHA256 digest of file contents
extracted	string	Local filename of extracted file
extracted_cutoff	bool	Set to true if file being extracted was cut of so whole file was not logged
extracted_size	count	Number of bytes extracted to disk
ontrony	doublo	Information density of file contents

ftp.log | FTP request/reply details

FIELD	TYPE	DESCRIPTION
ts	time	Timestamp when command sent
uid & id		Underlying connection info > See conn.log
user	string	Username for current FTP session
password	string	Password for current FTP session
command	string	Command given by client
arg	string	Argument for command, if given
mime_type	string	Sniffed mime type of file
file_size	count	Size of file
reply_code	count	Reply code from server in response to command
reply_msg	string	Reply message from server in response to command
data_channel	record FTP:: Expected Data Channel	Expected FTP data channel
fuid	string	File unique ID

mysql.log | MySQL

ELD	ТҮРЕ	DESCRIPTION
	time	Timestamp for when event happened
d & id		Underlying connection info > See conn.log
nd	string	Command that was issued
g	string	Argument issued to command
ccess	bool	Server replied command succeeded
ws	count	Number of affected rows, if any
sponse	string	Server message, if any

pe.log | Portable executable

string

LD	ΤΥΡΕ	DESCRIPTION
	time	Timestamp for when event happened
	string	File id of this portable executable file
ichine	string	Target machine file was compiled for
npile_ts	time	Time file was created
	string	Required operating system
osystem	string	Subsystem required to run this file
exe	bool	Is file an executable, or just an object file?
64bit	bool	ls file a 64-bit executable?
es_aslr	bool	Does file support Address Space Layout Randomization?
es_dep	bool	Does file support Data Execution Prevention?
es_code tegrity	bool	Does file enforce code integrity checks?
es_seh	bool	Does file use structured exception handing?
s_import_table	bool	Does file have import table?
s_export_table	bool	Does file have export table?
s_cert_table	bool	Does file have attribute certificate table?
s_debug_data	bool	Does file have debug table?
tion_names	vector of	Names of sections, in order

Register for Corelight's wildly popular Capture the Flag (CTF) competitions

	SOCKS:: Address	
uest_p	port	Client requested port
nd	record SOCKS:: Address	Server bound address
nd_p	port	Server bound port

software.log | Software observed on network

FIELD	TYPE	DESCRIPTION
ts	time	Time at which software was detected
host	addr	IP address detected running the software
host_p	port	Port on which software is running
software_type	enum	Type of software detected (e.g., HTTP::SERVER)
name	string	Name of software (e.g., Apache)
version	record Software:: Version	Software version
unparsed_version	string	Full, unparsed version string found
url	string	Root URL where software was discovered

ssh.log | SSH handshakes

	ТҮРЕ	DESCRIPTION
	time	Time when SSH connection began
ł		Underlying connection info > See conn.log
ı	count	SSH major version (1 or 2)
uccess	bool	Authentication result (T=success, F=failure, unset=unknown)
ttempts	count	Number of authentication attempts observed
on	enum	Direction of connection
	string	Client's version string
	string	Server's version string
alg	string	Encryption algorithm in use
g	string	Signing (MAC) algorithm in use
ession_alg	string	Compression algorithm in use
5	string	Key exchange algorithm in use
ey_alg	string	Server host key's algorithm
ey	string	Server's key fingerprint
e_location	record geo_ location	Add geographic data related to remote host of connection

9			
		5	

	success	bool	Indicates whether or not authentication was successful
	rdp.log	Remote	Desktop Protocol (RDP)
	FIELD	ΤΥΡΕ	DESCRIPTION
	ts	time	Timestamp for when event happened
	uid & id		Underlying connection info > See conn.log
	cookie	string	Cookie value used by client machine
vork	result	string	Status result for connection
VORK	security_protocol	string	Security protocol chosen by server
	client_channels	vector	Channels requested by the client
	keyboard_layout	string	Keyboard layout (language) of client machin
/are	client_build	string	RDP client version used by client machine
	client_name	string	Name of client machine
	client_dig_product _id	string	Product ID of client machine
	desktop_width	count	Desktop width of client machine
	desktop_height	count	Desktop height of client machine
	requested _color_depth	string	Color depth requested by client in high_color_depth field
ered	cert_type	string	If connection is encrypted with native RDP encryption, type of cert being used
	cert_count	count	Number of certs seen
	cert_permanent	bool	Indicates if provided certificate or certificate chain is permanent or temporary
	encryption_level	string	Encryption level of connection
	encryption	string	Encryption method of connection

smb_files.log | Details on SMB file

FIELD	ΤΥΡΕ	DESCRIPTION
ts	time	Time when file was first discovered
uid & id		Underlying connection info > See conn.log
fuid	string	Unique ID of file
action	enum	Action this log record represents
path	string	Path pulled from tree that file was transferred to or from
name	string	Filename if one was seen
size	count	Total size of file
prev_name	string	If rename action was seen, this will be file's previous name
times	record SMB:: MAC-	Last time file was modified

smb_mapping.log | SMB mappings

Times

FIELD	ТҮРЕ	DESCRIPTION
ts	time	Time when tree was mapped
uid & id		Underlying connection info > See conn.log
path	string	Name of tree path
service	string	Type of resource of tree (disk share, printer share, named pipe, etc)
native_file_system	string	File system of tree
share_type	string	If this is SMB2, share type will be included

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Version Scanning

Unknown Authentication

UA

Visit corelight.com or

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A client exchanged version strings with the server and then disconnected

The authentication method is not determined or is unknown

