



conn.log IP, TCP, UDP and ICMP connection details

ir, iter, or	or and	ICMI Connection details
Field	Туре	Description
ts	time	Timestamp
uid	string	Unique ID of Connection
id.orig_h	addr	Originating endpoint's IP address (AKA ORIG)
id.orig_p	port	Originating endpoint's TCP/UDP port (or ICMP code)
id.resp_h	addr	Responding endpoint's IP address (AKA RESP)
id.resp_p	port	Responding endpoint's TCP/UDP port (or ICMP code)
proto	proto	Transport layer protocol of connection
service	string	Dynamically detected application protocol, if any
duration	interval	Connection length
orig_bytes	count	Originator payload bytes; from sequence numbers if TCP
resp_bytes	count	Responder payload bytes; from sequence numbers if TCP
conn_state	string	Connection state (see conn.log: conn_state table)
local_orig	bool	If conn originated locally T; if remotely F. If Site::local_nets empty, always unset.
missed_bytes	count	Number of missing bytes in content gaps
history	string	Connection state history (see conn.log: history table)
orig_pkts	count	Number of ORIG packets
orig_ip_bytes	count	Number of ORIG IP bytes (via IP total_length header field)
resp_pkts	count	Number of RESP packets
resp_ip_bytes	count	Number of RESP IP bytes (via IP total_length header field)
tunnel_parents	set	If tunneled, connection UID of encapsulating parent (s)
orig_cc	string	ORIG GeoIP Country Code
resp_cc	string	RESP GeoIP Country Code

dns.log DNS query/response details

Field	Туре	Description	
ts	time	Timestamp of the DNS request	
uid & id		Underlying connection info - See conn.log	
proto	proto	Protocol of DNS transaction – TCP or UDP	
trans_id	count	16 bit identifier assigned by DNS client; responses match	
query	string	Domain name subject of the query	
qclass	count	Value specifying the query class	
qclass_name	string	Descriptive name of the query class (e.g. C_INTERNET)	
qtype	count	Value specifying the query type	
qtype_name	string	Name of the query type (e.g. A, AAAA, PTR)	
rcode	count	Response code value in the DNS response	
rcode_name	string	Descriptive name of the response code (e.g. NOERROR, NXDOMAIN)	
QR	bool	Was this a query (T) or a response (F)?	
AA	bool	T: server is authoritative for query	
TC	bool	T: message was truncated	
RD	bool	Recursion Desired. T = request recursive lookup of query	
RA	bool	Recursion Available. T = server supports recursive queries	
Z	count	Reserved field, should be zero in all queries & responses	
answers	vector	List of resource descriptions in answer to the query	
TTLs	vector	Caching intervals of the answers	
rejected	bool	Whether the DNS query was rejected by the server	

conn.log: conn_state

State	Meaning
SO	Connection attempt seen, no reply
S1	Connection established, not terminated (0 byte counts)
SF	Normal establish & termination (>0 byte counts)
REJ	Connection attempt rejected
S2	Established, ORIG attempts close, no reply from RESP.
S3	Established, RESP attempts close, no reply from ORIG.
RSTO	Established, ORIG aborted (RST)
RSTR	Established, RESP aborted (RST)
RSTOS0	ORIG sent SYN then RST; no RESP SYN-ACK
RSTRH	RESP sent SYN-ACK then RST; no ORIG SYN
SH	ORIG sent SYN then FIN; no RESP SYN-ACK ("half-open")
SHR	RESP sent SYN-ACK then FIN; no ORIG SYN
ОТН	No SYN, not closed. Midstream traffic. Partial connection.

conn.log: historyOrig UPPERCASE, Resp lowercase, uniq-ed

Letter	Meaning
S	a SYN without the ACK bit set
Н	a SYN-ACK ("handshake")
Α	a pure ACK
D	packet with payload ("data")
F	packet with FIN bit set
R	packet with RST bit set
С	packet with a bad checksum
I	Inconsistent packet (Both SYN & RST)

capture_loss.log Estimate of packet loss

Field	Туре	Description	
ts	time	Measurement timestamp	
ts_delta	interval	Time difference from previous measurement	
peer	string	Name of the Bro instance reporting loss	
gaps	count	ACKs seen without seeing data being ACKed	
acks	count	Total number of TCP ACKs	
percent_loss	string	gaps/acks, as a percentage. Estimate of loss.	

dhcp.log DHCP lease activity

Field	Туре	Description
ts	time	Timestamp of request
uid & id		Underlying connection info - See conn.log
mac	string	Client's hardware address
assigned_ip	addr	Client's actual assigned IP address
lease_time	interval	IP address lease time
trans_id	count	Identifier assigned by the client; responses match

dnp3.log Distributed Network Protocol (industrial control)

Field	Type	Description
ts	time	Timestamp
uid & id		Underlying connection info - See conn.log
fc_request	string	The name of the request function message
fc_reply	string	The name of the reply function message
iin	count	Response's "internal indication number"

files.logFile analysis results

Field	Туре	Description
ts	time	Timestamp when file was first seen
fuid	string	Unique identifier for a single file
tx_hosts	set	if transferred via network, host(s) that sourced the data
rx_hosts	set	if transferred via network, host(s) that received the data
conn_uids	set	Connection UID(s) over which the file was transferred
source	string	An identification of the source of the file data
depth	count	Depth of file related to source; eg: SMTP MIME attachment depth; HTTP depth of the request
analyzers	set	Set of analysis types done during file analysis
mime_type	string	The file type, as determined by Bro's signatures
filename	string	If available, filename from source; frequently the "Content-Disposition" headers in network protocols
duration	interval	The duration the file was analyzed for
local_orig	bool	If transferred via network, did data originate locally?
is_orig	bool	If transferred via network, was file sent by the originator?
seen_bytes	count	Number of bytes provided to file analysis engine
total_bytes	count	Total number of bytes that should comprise the file
missing_bytes	count	Number of bytes in the file stream missed; eg: dropped packets
overflow_bytes	count	Number of not all-in-sequence bytes in the file stream delivered to file analyzers due to reassembly buffer overflow
timedout	bool	If the file analysis time out at least once per file
parent_fuid	string	ID associated with a container file from which this one was extracted as a part of the analysis
md5/sha1/ sha256	string	MD5/SHA1/SHA256 hash of file, if enabled
extracted	string	Local filename of extracted files, if enabled

ftp.log FTP request/reply details

Field	Туре	Description
ts	time	Command timestamp
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 issued by the client
arg	string	Command argument if present
mime_type	string	Libmagic sniffed file type if there's a file transfer
file_size	count	Size of transferred file
reply_code	count	Reply code from server in response to the command
reply_msg	string	Reply message from server in response to the command
data_channel	record	Information about the data channel (orig, resp, is passive)
fuid	string	File unique ID

http.log www

HTTP request/reply details			
Field	Туре	Description	
ts	time	Timestamp of request	
uid & id		Underlying connection info - See conn.log	
trans_depth	count	Pipelined depth into the connection	
method	string	HTTP Request verb: GET, POST, HEAD, etc.	
host	string	Value of the HOST header	
uri	string	URI used in the request	
referrer	string	Value of the "referer" header	
user_agent	string	Value of the User-Agent header	
request_ body_len	count	Actual uncompressed content size of the data transferred from the client	
response_ body_len	count	Actual uncompressed content size of the data transferred from the server	
status_code	count	Status code returned by the server	
status_msg	string	Status message returned by the server	
info_code	count	Last seen 1xx info reply code by server	
info_msg	string	Last seen 1xx info reply message by server	
filename	string	Via the Content-Disposition server header	
tags	set	Indicators of various attributes discovered	
username	string	If basic-auth is performed for the request	
password	string	If basic-auth is performed for the request	
proxied	set	Headers that might indicate a proxied request	
orig_fuids	vector	An ordered vector of file unique IDs from orig	
orig_mime_types	vector	An ordered vector of mime types from orig	
resp_fuids	vector	An ordered vector of file unique IDs from resp	

intel.log Hits on indicators from the intel framework

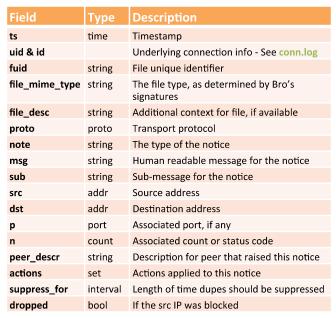
resp_mime_types vector An ordered vector of mime types from resp

Field	Туре	Description
ts	time	Timestamp of hit
uid & id		Underlying connection info - See conn.log
fuid	string	The UID for a file associated with this hit, if any
file_mime_type	string	A mime type if the hit is related to a file
file_desc	string	Additional context for file, if available
seen.indicator	string	The intelligence indicator
seen.indicator_type	string	The type of data the indicator represents
seen.where	string	Where the data was discovered
sources	set	Sources which supplied data for this match

irc.log IRC communication details

Field	Туре	Description
ts	time	Timestamp
uid & id		Underlying connection info - See conn.log
nick	string	Nickname given for this connection
user	string	Username given for this connection
command	string	Command given by the client
value	string	Value for the command given by the client
addl	string	Any additional data for the command
dcc_file_name	string	DCC filename requested
dcc_file_size	count	Size of the DCC transfer as indicated by the sender
dcc_mime_type	string	Sniffed mime type of the file
fuid	string	File unique ID

notice.log Logged notices





Field	Type	Description
ts	time	Timestamp of the authentication attempt
uid & id		Underlying connection info - See conn.log
username	string	The username of the user attempting to auth
mac	string	The MAC address of the client (e.g. for wireless)
remote_ip	addr	The IP address of the client (e.g. for VPN)
connect_info	string	Additional connect information, if available
result	string	Whether the attempt succeeded or failed

smtp.log SMTP transactions

Field	Туре	Description
ts	time	Timestamp when the message was first seen
uid & id		Underlying connection info - See conn.log
trans_depth	count	Transaction depth if there are multiple msgs
helo	string	Contents of the HELO header
mailfrom	string	Contents of the MAIL FROM header
rcptto	set	Contents of the RCPT TO header
date	string	Contents of the DATE header
from	string	Contents of the FROM header
to	set	Contents of the TO header
reply_to	string	Contents of the ReplyTo header
msg_id	string	Contents of the MsgID header
in_reply_to	string	Contents of the In-Reply-To header
subject	string	Contents of the Subject header
x_originating_ip	addr	Contents of the X-Originating-IP header
first_received	string	Contents of the first Received header
second_received	string	Contents of the second Received header
last_reply	string	Last server to client message
path	vector	Message transmission path, from headers
user_agent	string	Value of the client User-Agent header
fuids	vector	File unique IDs seen attached to this msg
is_webmail	bool	If the message was sent via webmail





modbus.log PLC requests (industrial control)

Field	Туре	Description
ts	time	Timestamp of request
uid & id		Underlying connection info - See conn.log
func	string	Function message that was sent
exception	string	Exception if there was a failure

snmp.log SNMP messages

Field	Туре	Description
ts	time	Timestamp when the message was first seen
uid & id		Underlying connection info - See conn.log
duration	interval	Time between the first and last seen packet
version	string	SNMP version (v1, v2c, v3)
community	string	The community string of the first SNMP packet
get_requests	count	Number of GetRequest/GetNextRequest packets
get_bulk_requests	count	Number of GetBulkRequest packets
get_responses	count	Number of GetResponse/Response packets
set_requests	count	Number of SetRequest packets
display_string	string	A system description of the responder
up_since	time	Timestamp the responder has been up since

socks.log SOCKS proxy requests

Field	Туре	Description
ts	time	Timestamp of request
uid & id		Underlying connection info - See conn.log
version	count	Protocol version of SOCKS
user	string	Username for the proxy, if available
status	string	Server status for the attempt using proxy
request.host	addr	Client requested address
request.name	string	Client requested name
request_p	port	Client requested port
bound.host	addr	Server bound address
bound.name	string	Server bound name
bound_p	port	Server bound port

software.logSoftware identified by the software framework

Field	Туре	Description
ts	time	Timestamp of the detection
host	addr	IP address running the software
host_p	port	Port on which the software is running (for servers)
software_type	string	Type of software (e.g. HTTP::SERVER)
name	string	Name of the software
version.major	count	Major version number of the software
version.minor	count	Minor version number of the software
version.minor2	count	Minor subversion number of the software
version.minor3	count	Minor update number of the software
version.addl	string	Additional version string (e.g. beta42)
unparsed_version	string	The full, unparsed version of the software

direction string Outbound or inbound connection

string Software string from the client

string Software string from the server resp_size count Amount of data returned by the server

ssh.log SSH handshakes

uid & id

status

client

server

Field Type Description





reporter.log

Bro internal errors and warnings

Field	Туре	Description
ts	time	Message timestamp, if available (0 otherwise)
level	string	Message severity (Info, warning, error, etc.)
message	string	Message text
location	string	The script location where the event occurred, if available

ssl.log SSL handshakes

uid & id version string SSL version that the server offered string SSL cipher suite that the server chose curve string SSL cipher suite that the server chose curve string String Value of the Server Name Indicator SSL extension session_id string Session ID offered by client for session resumption last_alert string Last alert that was seen during the connection established bool Was this connection established successfully? cert_chain vector cert_chain_fuids client_cert_chain vector client_cert_chain_fuids subject string Subject of the X.509 cert offered by the server client_issuer_subject string Subject of the Signer of the client cert validation_status Value of the server chose liliptic curve the server chose full piter suite that the server chose server Name Indicator SSL extension vestor Name Indicator SSL extension session id to server Name Indicator SSL extension session id value of the Server Name Indicator SSL extension session id vestor File unique ID offered by the connection cert_chain vector chain of certificates offered by the client client_cert_chain_see files.lo Subject of the X.509 cert offered by the server subject of the signer of the server cert Subject of the Signer of the client cert validation_status string Certificate validation result for this handshake	33L nandsnake	5	
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validation_status string Certificate validation result for this handshake	client_subject	string	Subject of the X.509 cert offered by the client
_	client_issuer_subject	string	Subject of the signer of the client cert
	validation_status	string	Certificate validation result for this handshake
ocsp_status string Result of OCSP validation for this handshake	ocsp_status	string	Result of OCSP validation for this handshake
ocsp_response string OCSP response as a string	ocsp_response	string	OCSP response as a string

time Timestamp when the SSH connection was detected

string If the login was heuristically guessed to be "success" or "failure".

Underlying connection info - See conn.log

tunnel.log **Details of encapsulating tunnels**

Field	Туре	Description
ts	time	Timestamp tunnel was detected
uid & id		Underlying connection info - See conn.log
tunnel_type	string	The type of tunnel (e.g. Teredo, IP)
action	string	The activity that occurred (discovered, closed)

weird.log **Anomalies and protocol violations**

Field	Туре	Description
ts	time	Timestamp of message
uid & id		Underlying connection info - See conn.log
name	string	The name of the weird that occurred
addl	string	Additional information accompanying the weird, if any
notice	bool	Indicate if this weird was also turned into a notice
peer	string	The peer that generated this weird

x509.log SSL certificate details

Field	Туре	Description
ts	time	Time when the cert was seen
id	string	File unique ID. See files.log
certificate.version	count	Version number
certificate.serial	string	Serial number
certificate.issuer	string	Issuer
certificate.not_valid_before	time	Time before when the cert is invalid
certificate.not_valid_after	time	Time after when the cert is invalid
certificate.key_alg	string	Name of the key algorithm
certificate.sig_alg	string	Name of the signature algorithm
certificate.key_type	string	Key type (either RSA, DSA or EC)
certificate.key_length	count	Key length, in bits
certificate.exponent	string	Exponent, if RSA
certificate.curve	string	Curve, if EC
san.dns	string_vec	List of DNS entries in Subject Alternative Name (SAN)
san.uri	string_vec	List of URI entries in SAN
san.email	string_vec	List of email entries in SAN
san.ip	addr_vec	List of IP entries in SAN
basic_constraints.ca	bool	CA flag set?
basic_constraints.path_len	count	Maximum path length

Other Logs

Log	Description
app_stats	Statistics on usage of popular web apps
cluster	Diagnostics for cluster operation
communication	Diagnostics for inter-process communications
dpd	Diagnostics for dynamic protocol detection
known_certs	Observed local SSL certs. Each is logged once/day
known_devices	Observed local devices. Each is logged once/day
known_hosts	Observed local active IPs. Each is logged once/day
known_services	Observed local services. Each is logged once/day
loaded_scripts	A list of scripts that were loaded at startup
packet_filter	Any filters to limit the traffic being analyzed
stats	Diagnostics such as mem usage, packets seen, etc.
syslog	Syslog messages
traceroute	Hosts running traceroute

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app_stats.log

Statistics on usage of popular web apps

Field	Туре	Description
ts	time	Measurement timestamp
ts_delta	interval	Time difference from previous measurement
арр	string	Name of application (YouTube, Netflix, etc.)
uniq_hosts	count	Number of unique hosts that used app
hits	count	Number of visits to app
bytes	count	Total bytes transferred to/from app

capture_loss.log Estimate of packet loss

Field	Туре	Description
ts	time	Measurement timestamp
ts_delta	interval	Time difference from previous measurement
peer	string	Name of the Bro instance reporting loss
gaps	count	ACKs seen without seeing data being ACKed
acks	count	Total number of TCP ACKs
percent_loss	string	gaps/acks, as a percentage. Estimate of loss.

dhcp.log DHCP lease activity

Field	Туре	Description
ts	time	Timestamp of request
uid	string	Connection unique id
id	record	ID record with orig/resp host/port. See conn.log
mac	string	Client's hardware address
assigned_ip	addr	Client's actual assigned IP address
lease_time	interval	IP address lease time
trans_id	count	Identifier assigned by the client; responses match

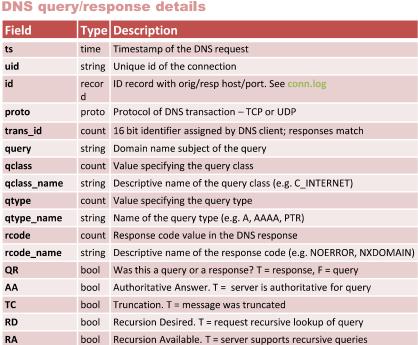
conn.log

IP, TCP, UDP and ICMP connection details

Type Description

Field	Туре	Description
ts	time	Timestamp
uid	string	Unique ID of Connection
id.orig_h	addr	Originating endpoint's IP address (AKA ORIG)
id.orig_p	port	Originating endpoint's TCP/UDP port (or ICMP code)
id.resp_h	addr	Responding endpoint's IP address (AKA RESP)
id.resp_p	port	Responding endpoint's TCP/UDP port (or ICMP code)
proto	transport _proto	Transport layer protocol of connection
service	string	Dynamically detected application protocol, if any
duration	interval	Time of last packet seen – time of first packet seen
orig_bytes	count	Originator payload bytes; from sequence numbers if TCP
resp_bytes	count	Responder payload bytes; from sequence numbers if TCP
conn_state	string	Connection state (see conn.log:conn_state table)
local_orig	bool	If conn originated locally T; if remotely F. If Site::local_nets empty, always unset.
missed_bytes	count	Number of missing bytes in content gaps
history	string	Connection state history (see conn.log:history table)
orig_pkts	count	Number of ORIG packets
orig_ip_bytes	count	Number of ORIG IP bytes (via IP total_length header field)
resp_pkts	count	Number of RESP packets
resp_ip_bytes	count	Number of RESP IP bytes (via IP total_length header field)
tunnel_parents	set	If tunneled, connection UID of encapsulating parent (s)
orig_cc	string	ORIG GeoIP Country Code
resp_cc	string	RESP GeoIP Country Code

dns.log DNS query/response details



conn.log: conn_state

vector Caching intervals of the answers

count Reserved field, should be zero in all queries & responses

vector List of resource descriptions in answer to the guery

bool Whether the DNS query was rejected by the server

State	Meaning
S0	Connection attempt seen, no reply
S1	Connection established, not terminated (0 byte counts)
SF	Normal establish & termination (>0 byte counts)
REJ	Connection attempt rejected
S2	Established, ORIG attempts close, no reply from RESP.
S3	Established, RESP attempts close, no reply from ORIG.
RSTO	Established, ORIG aborted (RST)
RSTR	Established, RESP aborted (RST)
RSTOS 0	ORIG sent SYN then RST; no RESP SYN-ACK
RSTRH	RESP sent SYN-ACK then RST; no ORIG SYN
SH	ORIG sent SYN then FIN; no RESP SYN-ACK ("half-open")
SHR	RESP sent SYN-ACK then FIN; no ORIG SYN
ОТН	No SYN, not closed. Midstream traffic. Partial connection.

conn.log: history Orig UPPERCASE, Resp lowercase, uniq-ed

Letter	Meaning
S	a SYN without the ACK bit set
Н	a SYN-ACK ("handshake")
Α	a pure ACK
D	packet with payload ("data")
F	packet with FIN bit set
R	packet with RST bit set
С	packet with a bad checksum
1	Inconsistent packet (Both SYN & RST)

answers

rejected

TTLs

known_certs.log Observed local Certs; logged 1xDay

Field	Туре	Description
ts	time	Measurement timestamp
host	addr	Address that offered the certificate
port_num	port	If server, port that server listening on
subject	string	Certificate subject
issuer_subject	string	Certificate issuer subject
serial	string	Serial number for the certificate

known_services.log **Observed local services; logged 1xDay**

Field	Туре	Description
ts	time	Timestamp
host	addr	Host address on which the service is running
port_num	port	Port number on which the service is running
port_proto	transport _proto	Transport-layer protocol service uses
service	set	Set of protocol(s) that match the service's connection payloads

modbus.log

PLC requests (industrial control)

Field	Type	Description
ts	time	Timestamp of request
uid	string	Connection unique id
id	record	ID record with orig/resp host/port. See conn.log
func	string	Function message that was sent
exception	string	Exception if there was a failure

notice.log Logged notices

Logged no	11003	
Field	Туре	Description
ts	time	Timestamp
uid	string	Connection unique id
id	record	ID record with orig/resp host/port. See conn.log
fuid	string	File unique identifier
file_mime_type	string	Libmagic sniffed file type
file_desc	string	Additional context for file, if available
proto	transport _proto	Transport protocol
note	string	The type of the notice
msg	string	Human readable message for the notice
sub	string	Sub-message for the notice
src	addr	Source address
dst	addr	Destination address
р	port	Associated port, if any
n	count	Associated count or status code
peer_descr	string	Description for peer that raised this notice
actions	set	Actions applied to this notice
suppress_for	interval	Length of time dupes should be suppressed
dropped	bool	If the src IP was blocked

known_hosts.log Observed local active IPs; logged 1xDay

Field	Туре	Description	
ts	time	Timestamp first seen	
host	addr	IP Address of host	

radius.log

Radius authentication details

Field	Туре	Description
ts	time	Timestamp of the detection
uid	string	Unique ID for the connection
id	conn_id	ID record with orig/resp host/port. See conn.log
username	string	The username, if present
mac	string	MAC address, if present
remote_ip	addr	Remtoe IP address, if present
connect_info	string	Connect info, if present
result	string	Successful or failed authentication
logged	bool	Whether this has already been logged & ignored

reporter.log Bro internal errors and warnings

Field	Туре	Description
ts	time	Message timestamp
level	string	Message severity (Info, warning, error, etc.)
message	string	Message text
location	string	The script location where tevent occurred, if available

smtp.log SMTP transactions

Field	Туре	Description
ts	time	Timestamp when the message was first seen
uid	string	Connection unique id
id	record	ID record with orig/resp host/port. See conn.log
trans_depth	count	Depth of message transaction if multiple messages transferred
helo	string	Contents of the HELO header
mailfrom	string	Contents of the MAIL FROM header
rcptto	set	Contents of the RCPT TO header
date	string	Contents of the DATE header
from	string	Contents of the FROM header
to	set	Contents of the TO header
reply_to	string	Contents of the ReplyTo header
msg_id	string	Contents of the MsgID header
in_reply_to	string	Contents of the In-Reply-To header
subject	string	Contents of the Subject header
x_originating_ip	addr	Contents of the X-Originating-IP header
first_received	string	Contents of the first Received header
second_received	string	Contents of the second Received header
last_reply	string	Last message that the server sent to the client
path	vector	Message transmission path, extracted from the headers
user_agent	string	Value of the User-Agent header from the client
tls	bool	Connection has switched to using TLS
fuids	vector	File unique IDs seen attached to this message
is_webmail	bool	Indicates if the message was sent through a webmail interface

signatures.log

Matches from the signature framework

Field	Туре	Description
ts	time	Timestamp of match
src_addr	addr	Host triggering the signature match event
src_port	port	Host port on which the match occurred
dst_addr	addr	Host which was sent the matching payload
dst_port	port	Port which was sent the matching payload
note	string	Notice associated with the signature event
sig_id	string	Name of the signature that matched
event_msg	string	More descriptive message of the event
sub_msg	string	Extracted payload data or extra message
sig_count	count	Number of sigs
host_count	count	Number of hosts

snmp.log

SNMP communication

Field	Type	Description
ts	time	Timestamp tunnel was detected
uid	string	Connection unique id
id	conn_id	ID record with orig/resp host/port. See conn.log
duration	interval	Amount of time between first/latest packet in session
version	string	The version of SNMP being used
community	string	Community string of the first SNMP packet associated w/ session; v1 & v2c only
get_requests	count	Number of variable bindings in GetRequest/Next
get_bulk_requests	count	Number of variable bindings in GetBulkRequest PDU
get_responses	count	Number of variable bindings in GetResponse/Response PDUs
set_requests	count	Number of variable bindings in SetRequest PDUs
display_string	string	System description of the SNMP responder endpoint
up_since	time	Time the SNMP responder claims it has been up since

ssl.log

SSL handshakes (v2.2 only; v2.3 x509.log)

Field	Туре	Description
ts	time	Timestamp when the SSL connection was detected
uid	string	Connection unique id
id	record	ID record with orig/resp host/port. See conn.log
version	string	SSL version that the server offered
cipher	string	SSL cipher suite that the server chose
server_name	string	Value of the Server Name Indicator SSL extension
session_id	string	Session ID offered by the client for session resumption
subject	string	Subject of the X.509 cert offered by the server
issuer_subject	string	Signer Subject of the cert offered by the server
not_valid_before	time	NotValidBefore field value from the server cert
not_valid_after	time	NotValidAfter field value from the server cert
last_alert	string	Last alert that was seen during the connection
client_subject	string	Subject of the X.509 cert offered by the client
clnt_issuer_subject	string	Subject of the signer of the cert offered by the client
cert_hash	string	MD5 hash of the raw server certificate
validation_status	vector	Certificate validation for this connection

stderr.log / stdout.log

Description

Error / output logging - LogAscii::output_to_stdout = F &redef



software.log

Software identified by the software framework

Field	Туре	Description
ts	time	Timestamp of the detection
host	addr	IP address running the software
host_p	port	Port on which the software is running (for servers)
software_type	string	Type of software (e.g. HTTP::SERVER)
name	string	Name of the software
version.major	count	Major version number of the software
version.minor	count	Minor version number of the software
version.minor2	count	Minor subversion number of the software
version.minor3	count	Minor update number of the software
version.addl	string	Additional version string (e.g. beta42)
unparsed_version	string	The full, unparsed version of the software

ssh.log

SSH handshakes

Field	Туре	Description
ts	time	Timestamp when the SSH connection was detected
uid	string	Connection unique ID
id	record	ID record with orig/resp host/port. See conn.log
status	string	If the login was heuristically guessed to be a "success" or a "failure".
direction	string	Outbound or inbound connection
client	string	Software string from the client
server	string	Software string from the server
resp_size	count	Amount of data returned by the server

socks.log SOCKS proxy requests

Field	Туре	Description
ts	time	Timestamp of request
uid	string	Connection unique id
id	record	ID record with orig/resp host/port. See conn.log
version	count	Protocol version of SOCKS
user	string	Username for proxy, if available
status	string	Server status for the attempt using proxy
request.host	addr	Client requested address
request.name	string	Client requested name
request_p	port	Client requested port
bound.host	addr	Server bound address
bound.name	string	Server bound name
bound_p	port	Server bound port

syslog.log

Syslog messages

Field	Туре	Description
ts	time	Timestamp when the message was seen
uid	string	Connection unique id
id	record	ID record with orig/resp host/port. See conn.log
proto	transport_prot o	Protocol over which message was seen. Only UDP is currently supported.
facility	string	Syslog facility for the message
severity	string	Syslog severity for the message
message	string	The plain text syslog message

traceroute.log

Hosts running traceroute

Field	Туре	Description
ts	time	Timestamp traceroute was detected
src	addr	Address initiating the traceroute
dst	addr	Destination address of the traceroute
proto	string	Protocol used for the traceroute

tunnel.log

Details of encapsulating tunnels

Field	Туре	Description
ts	time	Timestamp tunnel was detected
uid	string	Connection unique id
id	record	ID record with orig/resp host/port. See conn.log
tunnel_type	string	The type of tunnel (e.g. Teredo, IP)
action	string	The activity that occurred (discovered, closed)

x509.log

x509 Certificate Analyzer Output

Field	Туре	Description
ts	time	Timestamp of the detection
id	String	File id of this certificate
certificate .	record	Certificate details
.version	count	Version number
.serial	string	Serial number
.issuer	string	Certificate issuer
.not_valid_before	time	Timestamp before when certificate is not valid
.not_valid_after	time	Timestamp after when certificate is not valid
.key_alg	string	Name of the key algorithm
.sig_alg	string	Name of the signature algorithm
.key_type	string	Key type, if key parseable openssl (rsa, dsa or ec)
.key_length	count	Key length in bits
.exponent	string	Exponent, if RSA-certificate
.curve	string	Curve, if EC-certificate
san.	record	Subject Alternative Name
.dns	string_vec	List of DNS entries in the SAN
.uri	string_vec	List of URI entries in the SAN
.email	string_vec	List of email entries in the SAN
.ip	addr_vec	List of IP entries in the SAN
.other_fields	bool	True if certificate contained other, unrecognized fields
basicconstraints.	record	Basic constraints extension of the certificate
.ca	bool	CA fla set?
.path_len	count	Maximum path length
logcert	bool	T (present if policy/protocols/ssl/log-hostcerts-only.bro)

weird.log

Anomalies and protocol violations

Field	Туре	Description	
ts	time	Timestamp of message	
uid	string	Connection unique id	
id	record	ID record with orig/resp host/port. See conn.log	
name	string	The name of the weird that occurred	
addl	string	Additional information accompanying the weird, if any	
notice	bool	Indicate if this weird was also turned into a notice	
peer	string	The peer that generated this weird	



Contact Critical Stack

Command	Description
Phone:	202-559-5200
Email:	info@CriticalStack.com
Web:	http://www.CriticalStack.com
Git:	https://github.com/CriticalStack/
Twitter:	@CriticalStack
pgp	0xc255d63501b80df9

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software 4 Software identified by the software framework ssh 4 SSH handshakes ssl 4 SSL handshakes (v2.2 only; v2.3 x509.log) Diagnostics such as mem usage, packets seen, etc. stderr / stdout 4 Output logging syslog 4 Syslog messages traceroute 5 Hosts running traceroute tunnel 5 Details of encapsulating tunnels x509 5 x509 Certificate Analyzer Output	snmp	4	SNMP communication
ssh 4 SSH handshakes ssl 4 SSL handshakes (v2.2 only; v2.3 x509.log) stats Diagnostics such as mem usage, packets seen, etc. stderr / stdout 4 Output logging syslog 4 Syslog messages traceroute 5 Hosts running traceroute tunnel 5 Details of encapsulating tunnels x509 5 x509 Certificate Analyzer Output	socks	4	SOCKS proxy requests
ssl 4 SSL handshakes (v2.2 only; v2.3 x509.log) stats Diagnostics such as mem usage, packets seen, etc. stderr / stdout 4 Output logging syslog 4 Syslog messages traceroute 5 Hosts running traceroute tunnel 5 Details of encapsulating tunnels x509 5 x509 Certificate Analyzer Output	software	4	Software identified by the software framework
stats Diagnostics such as mem usage, packets seen, etc. stderr / stdout 4 Output logging syslog 4 Syslog messages traceroute 5 Hosts running traceroute tunnel 5 Details of encapsulating tunnels x509 5 x509 Certificate Analyzer Output	ssh	4	SSH handshakes
stderr / stdout 4 Output logging syslog 4 Syslog messages traceroute 5 Hosts running traceroute tunnel 5 Details of encapsulating tunnels x509 5 x509 Certificate Analyzer Output	ssl	4	SSL handshakes (v2.2 only; v2.3 x509.log)
syslog 4 Syslog messages traceroute 5 Hosts running traceroute tunnel 5 Details of encapsulating tunnels x509 5 x509 Certificate Analyzer Output	stats		Diagnostics such as mem usage, packets seen, etc.
traceroute 5 Hosts running traceroute tunnel 5 Details of encapsulating tunnels x509 5 x509 Certificate Analyzer Output	stderr / stdout	4	Output logging
tunnel 5 Details of encapsulating tunnels x509 5 x509 Certificate Analyzer Output	syslog	4	Syslog messages
x509 5 x509 Certificate Analyzer Output	traceroute	5	Hosts running traceroute
	tunnel	5	Details of encapsulating tunnels
weird 5 Anomalies and protocol violations	x509	5	x509 Certificate Analyzer Output
	weird	5	Anomalies and protocol violations