#### conn.log

#### IP, TCP, UDP and ICMP connection details

Туре	Description			
time	Timestamp of the first packet			
string	Unique ID of the connection			
addr	Originating endpoint's IP address (AKA Orig)			
port	Originating endpoint's TCP/UDP port (or ICMP code)			
addr	Responding endpoint's IP address (AKA Resp)			
port	Responding endpoint's TCP/UDP port (or ICMP code)			
proto	Transport layer protocol of connection			
string	Detected application protocol, if any			
interval	Connection length			
count	Orig payload bytes; from sequence numbers if TCP			
count	Resp payload bytes; from sequence numbers if TCP			
string	Connection state (see conn.log: conn_state table)			
bool	Is Orig in Site::local_nets? Unset if local_nets is empty.			
bool	Is Resp in Site::local_nets? Unset if local_nets is empty.			
count	Number of bytes missing due to content gaps			
string	Connection state history (see conn.log: history table)			
count	Number of Orig packets			
count	Number of Orig IP bytes (via IP total_length header field)			
count	Number of Resp packets			
count	Number of Resp IP bytes (via IP total_length header field)			
set	If tunneled, connection UID of encapsulating parent(s)			
int	Outer vlan for this connection (if applicable)			
int	Inner vlan for this connection (if applicable)			
	time string addr port addr port proto string interval count string bool count string count count string count count string count count string			

[1] – If policy/protocols/conn/vlan-logging.bro is loaded

#### ftp.log FTP request/reply details

Field	Туре	Description
ts	time	Timestamp of the FTP command
uid & id		Underlying connection info - See conn.log
user	string	Username for the FTP session
password	string	Password for the FTP session
command	string	Command issued by the client
arg	string	Any command arguments
mime_type	string	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)
passive	bool	Indicates if the session is active or passive
fuid <sup>1</sup>	string	File unique ID
		tour to the total

[1] – If base/protocols/ftp/files.bro is loaded

# dnp3.log Distributed Network Protocol (ICS)

		<b>\</b>
Field	Type	Description
ts	time	Timestamp of the DNP3 request
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"

#### conn.log: conn\_state

State	Meaning
S0	Connection attempt seen, no reply
<b>S1</b>	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.
<b>S3</b>	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 <b>A</b> CK
D	Packet with payload ("data")
F	Packet with FIN bit set
R	Packet with <b>R</b> ST bit set
С	Packet with a bad checksum
1	Inconsistent packet (Both SYN & RST)
Т	Packet with retransmitted payload
Q	Multi-Flag (SYN+FIN or SYN+RST)
^	Connection was flipped by Bro

## capture\_loss.log Estimate of packet loss

Field	Туре	Description
ts	time	Timestamp of the end of the measurement
ts_delta	interval	Time difference from previous measurement
peer	string	Name of the Bro instance reporting loss
gaps	count	ACKs seen without seeing the data being ACKed
acks	count	Total number of TCP ACKs
percent_loss	double	Estimate of loss: gaps/acks

## dhcp.log DHCP lease activity

Field	Туре	Description	
ts	time	Timestamp of the DHCP lease 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	

#### files.log

File analysis results

The analysi			
Field	Type	Description	
ts	time	Timestamp when file was first seen	
fuid	string	Unique identifier for a single file	
tx_hosts	set	Host(s) that sourced the data	
rx_hosts	set	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 (e.g. HTTP request depth)	
analyzers	set	Set of analyzers attached during the file analysis	
mime_type	string	The file type, as determined by Bro's signatures	
filename	string	The filename, if available from the source analyzer	
duration	interva I	The duration that the file was analyzed for	
local_orig	bool	Did the data originate locally?	
is_orig	bool	Was the file sent by Orig?	
seen_bytes	count	Number of bytes provided to the 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 that were missed	
overflow_bytes	count	Out-of-sequence bytes in the stream due to overflow	
timedout	bool	If the file analysis timed out at least once	
parent_fuid	string	Container file ID that this one was extracted from	
md5/sha1/sha2561	string	MD5/SHA1/SHA256 hash of the file	
x509 <sup>2</sup>	X509	Information about X509 certificates	
extracted <sup>3</sup>	string	Local filename of extracted files, if enabled	
entropy <sup>4</sup>	double	Information density (# of bits/character)	

- [1] If base/files/hash/main.bro is loaded
- [2] If base/files/x509/main.bro is loaded
- [3] If base/files/extract/main.bro is loaded
- [4] If policy/frameworks/files/entropy-test-all-files.bro is loaded

### intel.log

Hits on indicators from the intel framework

Field	Туре	Description
ts	time	Timestamp of the intelligence hit
uid & id		Underlying connection info - See conn.log
fuid <sup>1</sup>	string	The UID for a file associated with this hit, if any
file_mime_type <sup>1</sup>	string	A mime type if the hit is related to a file
file_desc1	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.host	addr	If the indicator was Intel::ADDR, the address
seen.where	string	Where the data was discovered
seen.node	string	The name of the node that discovered the match
sources	set	Sources which supplied data for this match

[1] – If base/frameworks/intel/files.bro is loaded

# modbus.log PLC requests (ICS)

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

#### http.log HTTP request/reply details

Field	Type	Description
ts	time	Timestamp of the HTTP 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
version	string	Value of the version portion of request
user_agent	string	Value of the User-Agent header
request_body_len	count	Uncompressed content size of Orig data
response_body_len	count	Uncompressed content size of Resp data
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
tags	set	Indicators of various attributes discovered
username	string	Username if basic-auth is performed
Password	string	Password if basic-auth is performed
proxied	set	Headers indicative of a proxied request
orig_fuids1	vector	File unique IDs from Orig
orig_filenames1	vector	File names from Orig
orig_mime_types1	vector	File types from Orig
resp_fuids1	vector	File unique IDs from Resp
resp_filenames1	vector	File names from Resp
resp_mime_types1	vector	File types from Resp
current_entity1	http	The current entity
orig_mime_depth1	count	Current number of MIME entities in HTTP request message body
resp_mime_depth1	count	Current number of MIME entities in HTTP response message body
client_header_names <sup>2</sup>	vector	The names of HTTP headers sent by Orig
server_header_names	vector	The names of HTTP headers sent by Resp
omniture <sup>3</sup>	bool	Is the server an omniture advertising server
flash_version4	string	Unparsed flash version if present
cookie_vars <sup>5</sup>	vector	Variable names extracted from cookies
uri_vars <sup>6</sup>	vector	Variable names extracted from the URI
[1] — If hase/protocols		

- [1] If base/protocols/http/entities.bro is loaded
- $\hbox{[2]-If policy/protocols/http/header-names.bro is loaded}\\$
- $\hbox{[3]-If policy/protocols/http/software-browser-plugins.bro is loaded} \\$
- [4] If policy/protocols/http/software-browser-plugins.bro is loaded
- [5] If policy/protocols/http/var-extraction-cookies.bro is loaded
- [6] If policy/protocols/http/var-extraction-uri.bro is loaded

## radius.log RADIUS authentication attempts

Field	Туре	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 authenticate	
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	

## dns.log DNS query/response details

Ciald 7	T	Description
Field T	Гуре	Description
ts ti	time	Timestamp of the DNS request
uid & id		Underlying connection info - See conn.log
<b>proto</b> p	oroto	Protocol of DNS transaction – TCP or UDP
trans_id c	count	16 bit identifier assigned by DNS client; responses match
rtt in	nterval	Round trip time for the query and response
<b>query</b> s	string	Domain name subject of the query
<b>qclass</b> c	count	Value specifying the query class
<b>qclass_nam</b> s <b>e</b>	string	Descriptive name of the query class (e.g. C_INTERNET)
<b>qtype</b> c	count	Value specifying the query type
qtype_name s	string	Descriptive name of the query type (e.g. A, AAAA, PTR)
<b>rcode</b> c	count	Response code value in the DNS response
rcode_name s	string	Descriptive name of the response code (e.g. NXDOMAIN, NODATA)
AA b	bool	Authoritateive Answer. T = server is authoritative for the query
TC b	looc	Truncation. T = the message was truncated
<b>RD</b> b	lood	Recursion Desired. T = recursive lookup of query requested
RA b	lood	Recursion Available. T = server supports recursive queries
<b>Z</b> c	count	Reserved field, should be zero in all queries & responses
answers v	vector	List of resource descriptions in answer to the query
TTLs v	vector	Caching intervals of the answers
rejected b	lood	Whether the DNS query was rejected by the server
total_answe c	count	Total number of resource records in answers section
total_replies c	count	Total number of resource records in answer/authority sections
saw_query b	lood	Was the full DNS query seen
saw_reply b	lood	Was the full DNS reply seen
auth <sup>1</sup> s	set	Authoritative responses for the query
addl <sup>1</sup> s	set	Additional responses for the query

[1] – If policy/protocols/dns/auth-addl.bro is loaded

## irc.log IRC communication details

Field	Type	Description
ts	time	Timestamp of the IRC command
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_size1	count	Size of DCC transfer as indicated by sender
dcc_mime_type1	string	Sniffed mime type of file
Fuid <sup>2</sup>	string	File unique ID

 $\hbox{\tt [1]-\it If base/protocols/\it irc/dcc-send.bro is loaded}$ 

[2] – If base/protocols/irc/files/bro is loaded

### software.log

Software identified by software framework

Field	Туре	Description
ts	time	Timestamp of the first software detection
host	addr	IP address running the software
host_p	port	Port on which the software is running (for servers)
software_type	Software::Type	Type of software (e.g. HTTP::SERVER)
name	string	Name of the software
version	Software::Versio n	Version of the software
unparsed_versio n	string	The full, unparsed version of the software
url <sup>1</sup>	string	Root URL where the software was found

 $\hbox{\tt [1]-\it lf policy/protocols/http/detect-webapps.bro is loaded}$ 

#### ssh.log SSH handshakes

Field	Туре	Description
ts	time	Timestamp when the SSH conn was detected
uid & id		Underlying connection info - See conn.log
version	count	SSH major version (1 or 2)
auth_success	bool	Did the auth succeed? Unset if undetermined
auth_attempts	count	Number of authentication attempts observed
direction	Direction	Inbound or outbound connection
client	string	Software string from the client
server	string	Software string from the server
cipher_alg	string	The negotiated encryption algorithm
mac_alg	string	The negotiated MAC (signing) algorithm
compression_al	string	The negotiated compression algorithm
kex_alg	string	The negotiated key exchange algorithm
host_key_alg	string	The server's host key algorithm
host_key	string	The server's host key fingerprint
remote_location	geo_locatio n	GeoIP data for the "remote" endpoint

[1] – If policy/protocols/ssh/geo-data.bro is loaded

# 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

## notice.log Logged notices

E: 11	I_	B 1 1 11
Field	Туре	Description
ts	time	Timestamp of the notice
uid & id		Underlying connection info - See conn.log
fuid	string	File unique ID, if this notice relates to a file
file_mime_type	string	File type, as determined by Bro's signatures
file_desc	string	Additional context for the file, if available
proto	proto	Transport protocol
note	string	The type of the notice (e.g. SSL::Weak_Key)
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
src_peer	string	Description of peer that raised the notice
peer_descr	string	Name of the node that raised this notice
actions	set	Actions applied to this notice
suppress_for	interval	Length of time dupes should be suppressed
dropped1	bool	If the src IP was blocked
remote_location <sup>2</sup>	geo_location	GeoIP data about the hosts involved

- [1] If base/frameworks/notice/actions/drop.bro is loaded
- [2] If base/frameworks/notice/actions/add-geodata.bro is loaded

### 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
сс	Set	Contents of CC 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
tls	bool	Indicates the connection switched to TLS
process_received_f rom	bool	Indicates if the "Received from" headers should still be processed
has_client_activity	bool	Indicates if client activity has been seen, but not yet logged
fuids <sup>1</sup>	vector	File unique IDs seen attached to this message
is_webmail <sup>2</sup>	bool	If the message was sent via webmail

- [1] If base/protocols/smtp/files.bro is loaded
- [2] If policy/protocols/smtp/software.bro is loaded

## **snmp.log SNMP** messages

Field	Type	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_request s	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 Resp
up_since	time	Timestamp that Resp has been up since

#### socks.log SOCKS proxy requests

Field	Туре	Description
ts	time	Timestamp of the SOCKS proxy request
uid & id		Underlying connection info - See conn.log
version	count	SOCKS protocol version
user	string	Username for proxy auth, if available
password	string	Password for proxy auth, if available
status	string	Server status for the proxy request
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

# dce\_rpc.log DCE/RPC requests

Field	Туре	Description
ts	time	Timestamp of the SOCKS proxy request
uid & id		Underlying connection info - See conn.log
rtt	interval	Round trip time from request to response
named_pipe	string	Remote pipe name
endpoint	string	Endpoint name looked up from the uuid
operation	string	Operation seen in the call

#### ntlm.log NTLM connections

Field	Туре	Description
ts	time	Timestamp of the IRC command
uid & id		Underlying connection info - See conn.log
username	string	Username given by the client
hostname	string	Hostname given by the client
domain	String	Domain given by the client
success	bool	Was the authentication successful
status	string	Status response given

### **ssl.log SSL** handshakes

JOE Hands	IIAKC5	
Field	Type	Description
ts	time	Timestamp when the SSL connection was detected
uid & id		Underlying connection info - See conn.log
version	string	SSL version that the server offered
cipher	string	SSL cipher suite that the server chose
curve	string	Elliptic curve the server chose if using ECDH/ECDHE
server_name	string	Value of the Server Name Indicator SSL extension
session_id	string	Session ID offered by client for session resumption
resumed	bool	Flag that indicates the session was resumed
last_alert	string	Last alert that was seen during the connection
next_protocol	string	Next protocol the server chose using the application layer next protocol extension, if seen.
established	bool	Was this connection established successfully?
cert_chain1	vector	Chain of certificates offered by the server
cert_chain_fuids1	vector	File UIDs for certs in cert_chain.
client_cert_chain1	vector	Chain of certificates offered by the client
client_cert_chain _fuids1	vector	File UIDs for certs in <b>client_cert_chain</b> .
subject1	string	Subject of the X.509 cert offered by the server
issuer <sup>1</sup>	string	Subject of the signer of the server cert
client_subject1	string	Subject of the X.509 cert offered by the client
client_issuer1	string	Subject of the signer of the client cert
validation_status <sup>2</sup>	string	Certificate validation result for this handshake
ocsp_status <sup>2</sup>	string	OCSP validation result for this handshake
ocsp_response <sup>2</sup>	string	OCSP response as a string
notary <sup>3</sup>	CertNotary:: Response	A response from the ICSI certificate notary.

- [1] If base/protocols/ssl/files.bro is loaded
- [2] If policy/protocols/ssl/validate-certs.bro is loaded
- [3] If policy/protocols/ssl/notary.bro is loaded

## rdp.log RDP session details

Field	Type	Description
ts	time	Timestamp when the message was first seen
uid & id		Underlying connection info - See conn.log
cookie	string	Cookie value used by the client machine
result	string	Status result for the connection
security_protocol	string	Security protocol chosen by the server.
keyboard_layout	string	Keyboard layout (language) of the client machine
client_build	string	RDP client version used by the client machine
client_name	string	Name of the client machine
client_dig_product_id	count	Product ID of the client machine
desktop_width	count	Desktop width of the client machine
desktop_height	count	Desktop height of the client machine
requested_color_dept h	string	The color depth requested by the client
cert_type	string	Type of certificate used if encrypted
cert_count	count	Number of certs seen
cert_permanent	bool	Indicates if the provided certificate is permanent
encryption_level	string	Encryption level of the connection
encryption_method	string	Encryption method of the connection

#### 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 of the event, if available

#### x509.log SSL certificate details

Field	Туре	Description	
ts	time	Time when the cert was seen	
id	string	File unique ID	
certificate.version	count	Cert version number	
certificate.serial	string	Cert serial number	
certificate.subject	string	Cert subject	
certificate.issuer	string	Cert issuer	
certificate.cn	string	Last common name	
certificate.not_valid_before	time	Time the cert is valid from	
certificate.not_valid_after	time	Time the cert is valid until	
certificate.key_alg	string	Name of the key algorithm	
certificate.sig_alg	string	Name of the signature algorithm	
certificate.key_type	string	Key type (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	

### smtp.log SMTP transactions

Field	Туре	Description
ts	time	Timestamp when the message was first seen
uid & id		Underlying connection info - See conn.log
proto	string	Protocol over which the message was seen
facility	string	Syslog facility for the message
severity	string	Syslog severity for the message
message	set	The plain text message

### kerberos.log

kerberos transactions

Field	Туре	Description
ts	time	Timestamp when the SSL connection was detected
uid & id		Underlying connection info - See conn.log
request_type	string	Request type – AS or 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 cipher type
forwardable	bool	Forwardable ticket requested
renewable	Bool	Renewable ticket request
client_cert_subjec t1	string	Subject of client certificate
client_cert_fuid1	string	Client certificate fuid
server_cert_subje	string	Subject of server certificate
server_cert_fuid1	string	Server certificate fuid

[1] – If base/protocols/krb/files.bro is loaded

## smb\_files.log SMB file details

Field	Туре	Description
ts	time	Time when the cert was seen
id	string	File unique ID
fuid	string	Unique ID of the file
action	string	Action this log record represents
path	string	Path pulled from the tree this file was transferred to or from
name	string	Filename if one was seen
size	count	Total size of the file
prev_name	string	If the rename action was seen, this will be the file's previous name
times.modified	time	The time when data was last written to the file
times.accessed	time	The time the file was last accessed
time.created	time	The time the file was created
times.changed	time	The time the file was last modified

# smb\_mapping.log SMB mapping details

Field	Type	Description
ts	time	Timestamp when the message was first seen
uid & id		Underlying connection info - See conn.log
path	string	Name of the tree path
service	string	The type of resource of the tree
native_file_system	string	File system of the tree
share_type	string	If this is SMB2, a share type will be included. For SMB1, the type of share will be deduced and included as well

### **sip.log SIP** transactions

Field	Туре	Description
ts	time	Timestamp when the message was first seen
uid & id		Underlying connection info - See conn.log
trans_depth	count	Pipelined depth into the connection of this request/response
method	string	Verb used in the SIP request
uri	string	URI used in the request
date	string	Contents of the Date
request_from	string	Contents of the request From header
request_to	string	Contents of the To header
response_from	string	Contents of the response From header
response_to	string	Contents of the response To header
reply_to	string	Contents of the Reply-To header
call_id	string	Contents of the Call-ID header from the client
seq	string	Contents of the CSeq header from the client
subject	string	Contents of the Subject header from the client
request_path	vector	The client message transmission path
response_path	vector	The server message transmission path
user_agent	string	Contents of the User-Agent: header
status_code	count	Status code returned by the server
status_msg	string	Status message returned by the server
warning	string	Contents of the Warning header
request_body_le n	count	Contents of the Content-Length from the client
response_body_l en	count	Contents of the Content-Length from the server
content_type	string	Contents of the Content-Type from the server

# 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)

### **Other Logs**

Log	Description
cluster	Diagnostics for cluster operation
communication	Diagnostics for Bro 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. Logged once/day
known_hosts	Observed local active IPs. Logged once/day
known_services	Observed local listening services. Logged once/day
loaded_scripts	A list of Bro scripts that were loaded at startup
mysql	MySQL requests and responses
packet_filter	Any filters to limit the traffic being analyzed
prof	Performance profiling data
signatures	Hits from the Signatures framework
stats	Diagnostics such as mem usage, packets seen, etc.
syslog	Syslog messages
traceroute	Hosts running traceroute