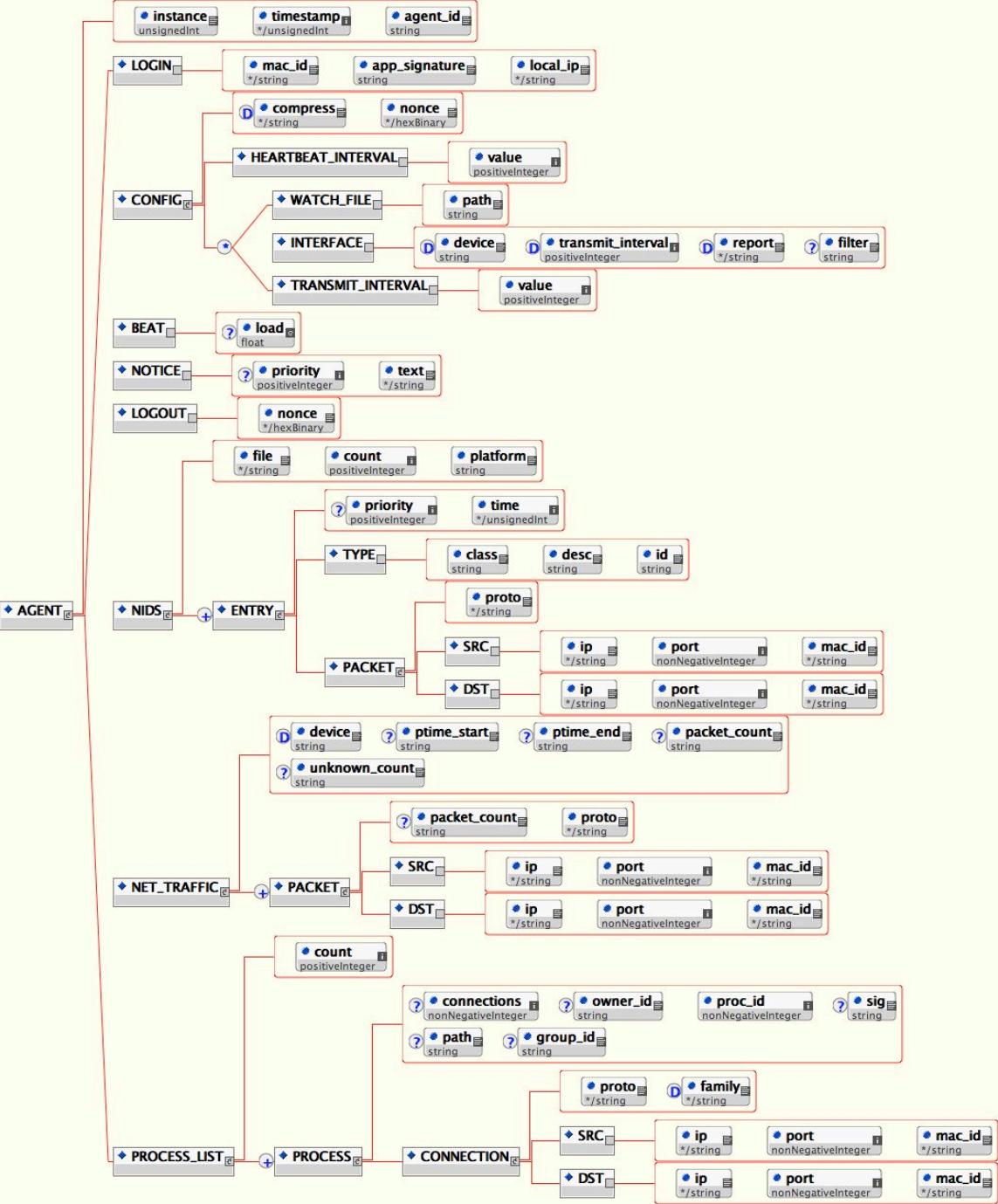


Content Model Diagram



Element Types Table

D	Type	Derives From	Content	Content Model	Attributes
E	AGENT		Elements (LOGIN CONFIG BEAT NOTICE LOGOUT NIDS NET_TRAFFIC PROCESS_LIST)		instance, timestamp, agent_id
E	BEAT		EMPTY		load
E	CONFIG		Elements (HEARTBEAT_INTERVAL, WATCH_FILE INTERFACE TRANSMIT_INTERVAL)*)		compress, nonce
E	CONFIG/HEARTBEAT_INTERVAL		EMPTY		value
E	CONFIG/INTERFACE		EMPTY		device, transmit_interval, report, filter
E	CONFIG/TRANSMIT_INTERVAL		EMPTY		value
E	CONFIG/WATCH_FILE		EMPTY		path
E	DST		EMPTY		ip, port, mac_id
E	LOGIN		EMPTY		mac_id, app_signature, local_ip
E	LOGOUT		EMPTY		nonce
E	NET_TRAFFIC		Elements (PACKET+)		device, ptime_start, ptime_end, packet_count, unknown_count
E	NET_TRAFFIC/PACKET		Elements (SRC , DST)		packet_count, proto
E	NIDS		Elements (ENTRY+)		file, count, platform
E	NIDS/ENTRY		Elements (TYPE , PACKET)		priority, time
E	NIDS/ENTRY/PACKET		Elements (SRC , DST)		proto
E	NIDS/ENTRY/TYPE		EMPTY		class, desc, id
E	NOTICE		EMPTY		priority, text
E	PROCESS_LIST		Elements (PROCESS+)		count
E	PROCESS_LIST/PROCESS		Elements (CONNECTION)		connections, owner_id, proc_id, sig, path, group_id
E	PROCESS_LIST/PROCESS/CONNECTION		Elements (SRC , DST)		proto, family
E	SRC		EMPTY		ip, port, mac_id

Attribute Types Table

Attribute Name	Element	Data Type	Constraints	Use	Value
ip	DST	string	minLength='7' whiteSpace='collapse'	required	
port	DST	nonNegativeInteger		required	
mac_id	DST	string	maxLength='17' minLength='12'	required	
ip	SRC	string	minLength='7' whiteSpace='collapse'	required	
port	SRC	nonNegativeInteger		required	
mac_id	SRC	string	maxLength='17' minLength='12'	required	
compress	CONFIG	string	no yes	default	no
nonce	CONFIG	hexBinary	length='8' whiteSpace='collapse'	required	
value	CONFIG/TRANSMIT_INTERVAL	positiveInteger		required	
device	CONFIG/INTERFACE	string		default	primary
transmit_interval	CONFIG/INTERFACE	positiveInteger		default	5
report	CONFIG/INTERFACE	string	normal summary	default	normal
filter	CONFIG/INTERFACE	string		optional	
path	CONFIG/WATCH_FILE	string		required	
value	CONFIG/HEARTBEAT_INTERVAL	positiveInteger		required	
load	BEAT	float		optional	
count	PROCESS_LIST	positiveInteger		required	
connections	PROCESS_LIST/PROCESS	nonNegativeInteger		optional	
owner_id	PROCESS_LIST/PROCESS	string		optional	
proc_id	PROCESS_LIST/PROCESS	nonNegativeInteger		required	
sig	PROCESS_LIST/PROCESS	string		optional	
path	PROCESS_LIST/PROCESS	string		optional	
group_id	PROCESS_LIST/PROCESS	string		optional	
proto	PROCESS_LIST/PROCESS/CONNECTION	string	arp tcp udp icmp ip-proto-41 other ipv4 ipv6	required	
family	PROCESS_LIST/PROCESS/CONNECTION	string		default	ipv4
device	NET_TRAFFIC	string		default	primary
ptime_start	NET_TRAFFIC	string		optional	
ptime_end	NET_TRAFFIC	string		optional	
packet_count	NET_TRAFFIC	string		optional	
unknown_count	NET_TRAFFIC	string		optional	
packet_count	NET_TRAFFIC/PACKET	string		optional	
proto	NET_TRAFFIC/PACKET	string	arp tcp udp icmp ip-proto-41 other	required	
file	NIDS	string	minLength='1'	required	
count	NIDS	positiveInteger		required	
platform	NIDS	string		required	
priority	NIDS/ENTRY	positiveInteger		optional	
time	NIDS/ENTRY	unsignedInt	totalDigits='13'	required	
proto	NIDS/ENTRY/PACKET	string	arp tcp udp icmp ip-proto-41 other	required	
class	NIDS/ENTRY/TYPE	string		required	
desc	NIDS/ENTRY/TYPE	string		required	
id	NIDS/ENTRY/TYPE	string		required	
priority	NOTICE	positiveInteger		optional	
text	NOTICE	string	minLength='1'	required	
nonce	LOGOUT	hexBinary	length='8' whiteSpace='collapse'	required	
mac_id	LOGIN	string	maxLength='17' minLength='12'	required	
app_signature	LOGIN	string		required	
local_ip	LOGIN	string	minLength='7' whiteSpace='collapse'	required	
instance	AGENT	unsignedInt		required	
timestamp	AGENT	unsignedInt	totalDigits='13'	required	
agent_id	AGENT	string		required	