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## E. RECORDS

Table 1: radio\_frecuencia record fields

radio_frecuencia	
Field	Example
version	1.0
timestamp	2021-02-25T11:30:21.000+0000
id	f0c48ba4-387d-11ea-a137-2e728ce88126
type	RF
event	DATA
signal	-62
freq	433.78
mod	OOK
payload	88e8e8e88888e8e888e8e8e800
time	2020-09-07T16:48:49.000+0000
anomalia	False

Table 2: redes\_moviles record fields

redes_moviles	
Field	Example
version	1.0
timestamp	2021-02-25T11:00:32.000+0000
id	de539085-315f-466a-81c1-55b97f5348df
type	RM

event	DATA
rat	4G
imei	NA
imsi	901700000013633
time	2021-01-27T09:52:01.000+0000
anomalía	True

Table 3: trafico\_ids record fields

trafico_ids	
Field	Example
prediction	1
scrip	175.45.176.1
sport	0
dstip	149.171.126.12
dsport	80
proto	tcp
version	1.0
id	f0c48ba4-387d-11ea-a137-2e728ce88126
type	CS
event	DATA
time_stamp	1602163578587

**Table 4: siem record fields**

siem	
Field	Example
version	1.0
timestamp	2021-02-25T10:32:12.000+0000
id	f0c48ba4-387d-11ea-a137-2e728ce8812
type	SM
event	DATA
Signature	AlienVault HIDS: Login session closed.
Date	2021-02-22T13:39:00.000+0000
Sensor	alienvault
Source	0.0.0.0
Destination	0.0.0.0
Risk	0
anomalía	False

**Table 5: bluetooth record fields**

bluetooth	
Field	Example
version	1.0
timestamp	2021-02-25T10:02:24.000+0000
id	f0c48ba4-387d-11ea-a137-2e728ce88126

type	BT
event	DATA
status	offline
classic_mode	f
uuid	0559ef63-e4c3-4d0c-a735-7105f29bfad2
company	Texas Instruments Inc. (13)
updated_at	2021-02-04T10:22:25.000+0000
last_seen	2021-02-04T10:22:25.000+0000
uap_lap	93:AB:5C:E1
address	18:7A:93:AB:5C:E1
lmp_version	unknow
le_mode	t
manufacturer	unknow
created_at	2021-02-04T10:22:25.000+0000
name	Smart Watch
anomalía	True

Table 6: wifi record fields

wifi	
Field	Example
version	1
timestamp	2021-02-25T11:32:13.000+0000
id	f0c48ba4-387d-11ea-a137-2e728ce88126

type	WF
event	DATA
userid	F0:03:8C:DF:33:23
minact	1
tseen	30
tacum	27240
visits	48
act24h	96
pwr	-89
footprint	2E:1E:F7:32:08:9E
oui	azure
type_mac	MAL
tx_packets	1
tx_bytes	84
rx_packets	0
rx_bytes	0
ap	unknown
ssid	unknown
apwr	-1
time	2021-02-02T11:45:00.000+0000
anomalía	False

Table 7: firewall record fields

Firewall	
Field	Example
version	1+F73:F73:F153
timestamp	2021-02-25T12:25:15.000+0000
id	5b83a05e-a69f-e3fc-5ece-93d600010005
type	Connection
event	DATA
Time	2020-05-27T11:22:46.000+0000
Blade	Firewall
Action	Accept
Type	Connection
Interface	N/A
Origin	SMS-GW-CHECK
Source	SRV_DC_01 (10.1.200.11)
Source User Name	N/A
Destination	srv2.telconet.net (200.93.192.161)
Service	'domain-udp (UDP/53)
Access Rule Number	57
Access Rule Name	Consulta DNS Domain Controllers
Policy Name	Standard

Description	domain-udp Traffic Accepted from 'srv-dc-01@coopcrea.fin.ec'(10.1.200.11) to 200.93.192.161
Id	5b83a05e-a69f-e3fc-5ece-93d600010005
Marker	@A@@B@1590555605@C@2969330
Log Server Login	SMS-GW-CHECK (10.1.201.1)
Interface Direction	inbound
Interface Name	eth1
Connection Direction	Outgoing
Id Generated By Indexer	false
First	True
Sequencenum	50
Source Zone	Internal
Destination Zone	External
Service ID	domain-udp
Source Port	64159
Destination Port	53
IP Protocol	UDP (17)
Xlate (NAT) Source IP	SMS-GW-CHECK (179.49.29.10)
Xlate (NAT) Source Port	54880



Xlate (NAT) Destination Port	0
NAT Rule Number	0
NAT Additional Rule Number	0
Source Machine Name	srv-dc-01@coopcrea.fin.ec
Hll Key	9435118931605540000
Context Num	1
Policy Management	SMS-GW-CHECK
Db Tag	{10B41B45-4E19-A745-9231-AE1687566AA9}
Policy Date	Today 9:50:39
Product Family	Access
Logid	0
Policy Rule UID	629deb9c-68ad-410e-87fa-e14059f0bd88
Layer Name	Network
Needs Browse Time	N/A
User	N/A
Src User Dn	N/A
Protocol	N/A
Sig Id	N/A
Reason	N/A

Destination Machine Name	N/A
Destination User Name	N/A
Dst User Dn	N/A
UserCheck ID	N/A
Destination Object	N/A
ICMP	N/A
ICMP Type	N/A
ICMP Code	N/A
Client Name	N/A
Product Version	N/A
Domain Name	N/A
Endpoint IP	N/A
Authentication Status	N/A
Identity Source	N/A
Session ID	N/A
Source Machine Group	N/A
Authentication Method	N/A
Identity Type	N/A
Authentication Trial	N/A

Source User Group	N/A
Connection Id	N/A
Last Update Time71	N/A
Scheme	N/A
Methods	N/A
VPN Peer Gateway	N/A
Community	N/A
Mobile Access Session UID	N/A
VPN Feature	N/A
Duration	N/A
Last Update Time79	N/A
Update Count	N/A
Creation Time	N/A
Connections	N/A
Aggregated Log Count	N/A
_c84	N/A
anomalía	False

Table 8: ids\_suricata ("fileinfo") record fields

ids_suricata (event_type=fileinfo)			
Field	Example		
version	1.0		
time	1602677977.8111		
id	2ee0bfe2-9aea-43f7-b481-7cc436407ead		
type	IDS		
event	DATA		
data	timestamp	2016-08-16T22:41:57.718668+0200	
	flow_id	1067121040688650	
	pcap_cnt	134	
	event_type	fileinfo	
	src_ip	186.33.233.170	
	src_port	80	
	dest_ip	192.168.4.202	
	dest_port	55392	
	proto	TCP	
	http	hostname	www.nacionalmendoza.com.ar
		url	/
		http_user_agent	Mozilla/5.0 (Windows NT 6.1; WOW64; Trident/7.0; rv:11.0) like Gecko

		http_method	GET
		protocol	HTTP/1.1
		status	200
		length	109012
	app_proto	http	
	fileinfo	filename	/
		sid	[]
		gaps	False
		state	TRUNCATED
		stored	False
		size	103733
		tx_id	0
prediction	1		

Table 9: ids\_suricata ("flow") record fields

Ids_suricata (event_type=flow)			
Field	Example		
version	1.0		
time	1602677977.81110		
id	2ee0bfe2-9aea-43f7-b481-7cc436407ead		
type	IDS		

# APPENDIX E

event	DATA		
data	timestamp	2016-08-16T22:41:57.718668+0200	
	flow_id	1067121040688650	
	event_type	flow	
	src_ip	186.33.233.170	
	src_port	80	
	dest_ip	192.168.4.202	
	dest_port	55392	
	proto	TCP	
	app_proto	failed	
	flow	pkts_toserver	5
		pkts_toclient	4
		bytes_toserver	352
		bytes_toclient	280
		start	2016-08-16T22:42:14.617652+0200
		end	2016-08-16T22:42:16.172435+0200
		length	109012
		age	2
		state	closed
		reason	shutdown
		alerted	False

APPENDIX E

	tcp	tcp_flags	1b
		tcp_flags_ts	1b
		tcp_flags_tc	1b
		syn	True
		fin	True
		psh	True
		ack	True
		state	closed
prediction	1		

Table 10: ids\_suricata ("http") record fields

Ids_suricata (event_type=http)			
Field	Example		
version	1.0		
time	1602677977.81110		
id	2ee0bfe2-9aea-43f7-b481-7cc436407ead		
type	IDS		
event	DATA		
data	timestamp	2016-08-16T22:41:57.718668+0200	
	flow_id	1067121040688650	
	pcap_cnt	147	
	event_type	http	

APPENDIX E

	src_ip	186.33.233.170	
	src_port	80	
	dest_ip	192.168.4.202	
	dest_port	55392	
	proto	TCP	
	tx_id	0	
	http	hostname	vtqckhl.hopto.org
		url	/wordpress/?ARX8
		http_user_agent	Mozilla/5.0 (Windows NT 6.1; WOW64; Trident/7.0; rv:11.0) like Gecko
		http_content_type	text/html
		http_refer	http://www.nacionalmendoza.com.ar/
		http_method	GET
		protocol	HTTP/1.1
		status	200
		length	109012
prediction	1		



Table 11: ids\_suricata ("alert") record fields

Ids_suricata (event_type=alert)			
Field	Example		
version	1.0		
time	1602677977.81140		
id	7d4ef1f2-40ed-4403-9476-a06b2a02392d		
type	IDS		
event	DATA		
data	timestamp	2016-08-16T22:41:57.718668+0200	
	flow_id	1067121040688650	
	pcap_cnt	134	

APPENDIX E

	event_type	alert		
	src_ip	192.168.4.202		
	src_port	55416		
	dest_ip	192.168.4.202		
	dest_port	55392		
	proto	TCP		
	tx_id	1		
	alert	action	allowed	
		gid	1	
		signature_id	2014726	
		rev	126	
		signature	ET POLICY Outdated Flash Version M1	
		category	Potential Corporate Privacy Violation	
		severity	1	

APPENDIX E

	metadata	updated_at	2020_06_12
		signature_severity	Informational
		performance_impact	Low
		former_category	POLICY
		created_at	2012_05_09
		affected_product	Adobe_flash
	http	hostname	cixiidae.recipmedia.co.uk
		url	/train/william-30066971.swf
		http_user_agent	Mozilla/5.0 (Windows NT 6.1; WOW64; Trident/7.0; rv:11.0) like Gecko
		http_content_type	application/x-shockwave-flash
		http_refer	http://cixiidae.recipmedia.co.uk/rifle/1993618/kindle-stiff-right
		http_method	GET

APPENDIX E

		protocol	HTTP/1.1	
		status	200	
		length	109012	
	app_proto	http		
	flow	pkts_toserver	7	
		pkts_toclient	8	
		bytes_toserver	1114	
		bytes_toclient	5590	
		start	2016-08-16T22:42:00.258387+0200	
prediction	1			

Table 12: ids\_suricata ("stats") record fields

ids_suricata(event_type=stats)	
Field	Example

# APPENDIX E

version	1.0					
time	1602677977.81140					
id	7d4ef1f2-40ed-4403-9476-a06b2a02392d					
type	IDS					
event	DATA					
data	timestamp	2016-08-16T22:41:57.718668+0200				
	event_type	stats				
	stats	uptime	45			
		decoder	pkts	692		
			bytes	55668		
			invalid	0		
			ipv4	692		

# APPENDIX E

			ipv6	0		
			ethernet	692		
			raw	0		
			null	0		
			sll	0		
			tcp	692		
			udp	0		
			sctp	0		
			icmpv4	0		
			icmpv6	0		
			ppp	0		
			pppoe	0		
			gre	0		
			vlan	0		

# APPENDIX E

			vlan_qinq	0		
			vxlan	0		
			ieee8021ah	0		
			teredo	0		
			ipv4_in_ipv6	0		
			ipv6_in_ipv6	0		
			mpls	0		
			avg_pkt_size	789		
			max_pkt_size	1372		
			erspan	0		
			event	ipv4	pkt_too_small	0
					hlen_too_small	0
					iplen_smaller_than_hlen	0
					trunc_pkt	0

# APPENDIX E

					opt_invalid	0
					opt_invalid_len	0
					opt_malformed	0
					opt_pad_required	0
					opt_eol_required	0
					opt_duplicate	0
					opt_unknown	0
					wrong_ip_version	0
					icmpv6	0
					frag_pkt_too_large	0
					frag_overlap	0
					frag_ignored	0
				icmpv4	pkt_too_small	0
					unknown_type	0



# APPENDIX E

					unknown_code	0
					ipv4_trunc_pkt	0
					ipv4_unknown_ver	0
				icmpv6	unknown_type	0
					unknown_code	0
					pkt_too_small	0
					ipv6_unknown_version	0
					ipv6_trunc_pkt	0
					mld_message_with_invalid_hl	0
					unassigned_type	0
					experimentation_type	0
				ipv6	pkt_too_small	0
					trunc_pkt	0

# APPENDIX E

					trunc_exthdr	0
					exthdr_dupl_fh	0
					exthdr_useless_fh	0
					exthdr_dupl_rh	0
					exthdr_dupl_hh	0
					exthdr_dupl_dh	0
					exthdr_dupl_ah	0
					exthdr_dupl_eh	0
					exthdr_invalid_optlen	0
					wrong_ip_version	0
					exthdr_ah_res_not_null	0
					hopopts_unknown_opt	0
					hopopts_only_padding	0
					dstopts_unknown_opt	0

# APPENDIX E

					dstopstps_only_padding	0
					rh_type_0	0
					zero_len_padn	0
					fh_non_zero_reserved_field	0
					data_after_none_header	0
					unknown_next_header	0
					icmpv4	0
					frag_pkt_too_large	0
					frag_overlap	0
					frag_ignored	0
					ipv4_in_ipv6_wrong_version	0
					ipv6_in_ipv6_too_small	0
					ipv6_in_ipv6_wrong_version	0
				tcp	pkt_too_small	0

# APPENDIX E

					hlen_too_small	0
					invalid_optlen	0
					opt_invalid_len	0
					opt_duplicate	0
				udp	pkt_too_small	0
					hlen_too_small	0
					hlen_invalid	0
				sll	pkt_too_small	0
				ethernet	pkt_too_small	0
				ppp	pkt_too_small	0
					vju_pkt_too_small	0
					ip4_pkt_too_small	0
					ip6_pkt_too_small	0
					wrong_type	0

# APPENDIX E

					unsup_proto	0
				pppoe	pkt_too_small	0
					wrong_code	0
					malformed_tags	0
				gre	pkt_too_small	0
					wrong_version	0
					version0_recur	0
					version0_flags	0
					version0_hdr_too_big	0
					version0_malformed_sre_hdr	0
					version1_chksum	0
					version1_route	0
					version1_ssr	0
					version1_recur	0

# APPENDIX E

					version1_flags	0
					version1_no_key	0
					version1_wrong_protocol	0
					version1_malformed_sre_hdr	0
					version1_hdr_too_big	0
				vlan	header_too_small	0
					unknown_type	0
					too_many_layers	0
				ieee8021ah	header_too_small	0
				ipraw	invalid_ip_version	0
				ltnull	pkt_too_small	0
					unsupported_type	0
				sctp	pkt_too_small	0
					wrong_code	0

# APPENDIX E

					malformed_tags	0
				mpls	header_too_small	0
					pkt_too_small	0
					bad_label_router_alert	0
					bad_label_implicit_null	0
					bad_label_reserved	0
					unknown_payload_type	0
				erspan	header_too_small	0
					unsupported_version	0
					too_many_vlan_layers	0
			dce	pkt_too_small	0	
		flow	memcap	0		
			tcp	9		
			udp	0		

APPENDIX E

			icmpv4	0		
			icmpv6	0		
			spare	9996		
			emerg_mode_entered	0		
			emerg_mode_over	0		
			tcp_reuse	0		
			memuse	7475616		
		defrag	ipv4	fragments	0	
				reassembled	0	
				timeouts	0	
			ipv6	fragments	0	
				reassembled	0	
				timeouts	0	
			max_frag_hits	0		



# APPENDIX E

		flow_bypassed	local_pkts	0		
			local_bytes	0		
			local_capture_pkts	0		
			local_capture_bytes	0		
			closed	0		
			pkts	0		
			bytes	0		
		tcp	sessions	9		
			ssn_memcap_drop	0		
			pseudo	0		
			pseudo_failed	0		
			invalid_checksum	0		
			no_flow	0		
			syn	9		

# APPENDIX E

			synack	9		
			rst	1		
			midstream_pickups	0		
			pkt_on_wrong_thread	0		
			segment_memcap_drop	0		
			stream_depth_reached	0		
			reassembly_gap	0		
			overlap	1		
			overlap_diff_data	0		
			insert_data_normal_fa il	0		
			insert_data_overlap_fa il	0		
			insert_list_fail	0		

APPENDIX E

			memuse	573440	
			reassembly_memuse	98304	
		detect	engines	id	0
				last_reload	2020-10-14T14:19:30.029249+0200
				rules_loaded	21053
				rules_failed	0
			alert	3	
		app_layer	flow	http	4
				ftp	0
				smtp	0
				tls	0
				ssh	0
				imap	0

# APPENDIX E

				smb	0
				dcerpc_tcp	0
				dns_tcp	0
				nfs_tcp	0
				ntp	0
				ftp-data	0
				tftp	0
				ikev2	0
				krb5_tcp	0
				dhcp	0
				snmp	0
				failed_tcp	3
				dcerpc_udp	0
				dns_udp	0

# APPENDIX E

				nfs_udp	0	
				krb5_udp	0	
				failed_udp	0	
			tx	http	0	
				ftp	0	
				smtp	0	
				tls	0	
				ssh	0	
				imap	0	
				smb	0	
				dcerpc_tcp	0	
				dns_tcp	0	
				nfs_tcp	0	
				ntp	0	

# APPENDIX E

				ftp-data	0	
				tftp	0	
				ikev2	0	
				krb5_tcp	0	
				dhcp	0	
				snmp	0	
				dcerpc_udp	0	
				dns_udp	0	
				nfs_udp	0	
				krb5_udp	0	
		expectations	0			
		flow_mgr	closed_pruned	0		
			new_pruned	0		
			est_pruned	0		

APPENDIX E

			bypassed_pruned	0		
			flows_checked	4		
			flows_notimeout	4		
			flows_timeout	0		
			flows_timeout_inuse	0		
			flows_removed	0		
			rows_checked	65536		
			rows_skipped	0		
			rows_empty	65532		
			rows_busy	0		
			rows_maxlen	1		
		http	memuse	0		
			memcap	0		
		ftp	memuse	0		

# APPENDIX E

			memcap	0		
predictio n	1					