CYBOT HUNTER

Threat Hunting Platform

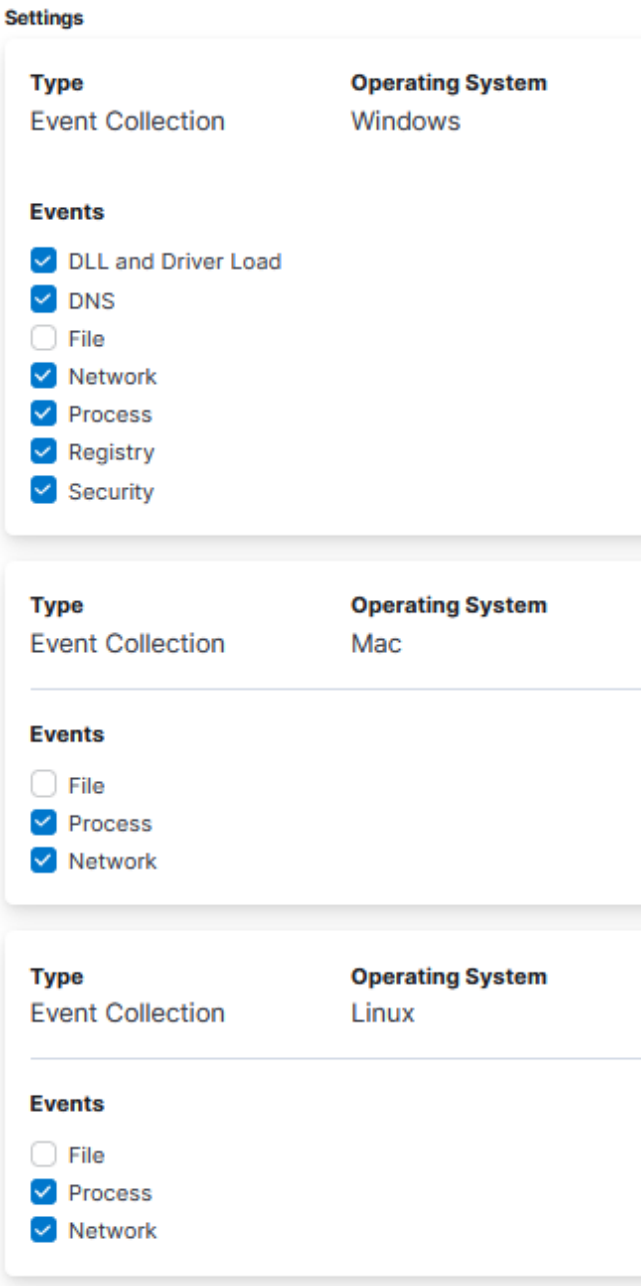
DATA SHEET

Host and Network Sensors

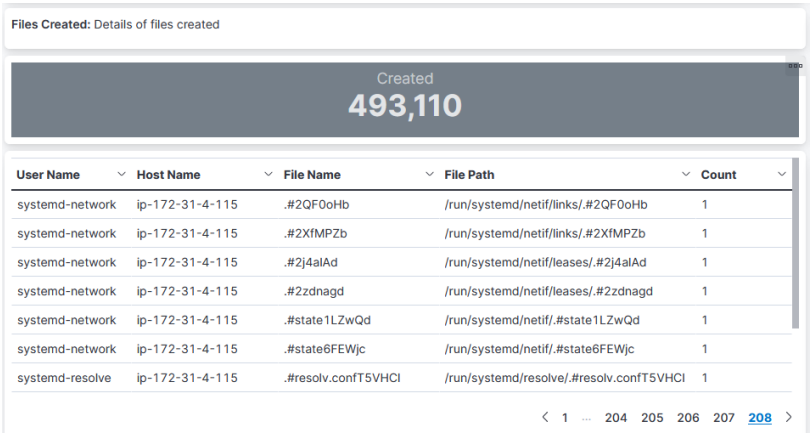
activebytes innovations

HOST SENSOR

- Rich Data extraction from all major Operating systems
- Capable of extracting system behaviour, system communications form and to other systems, system communication to external ip addresses, common user behaviour
- Capable of extracting logs about execution operating system binaries
- Capable of extracting changes in registry of the Microsoft Windows operating system



- Capable of extracting all file creation, deletion modification activities inside the host

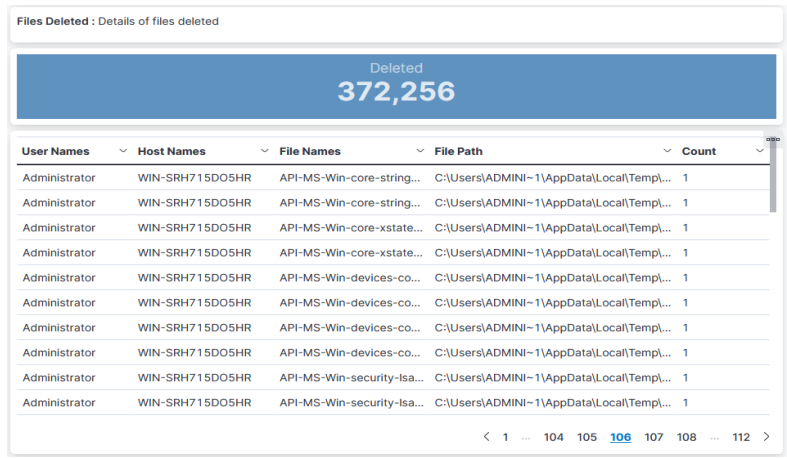


Files Created: Details of files created

Created
493,110

User Name	Host Name	File Name	File Path	Count
systemd-network	ip-172-31-4-115	.#2QF0oHb	/run/systemd/netif/links/.#2QF0oHb	1
systemd-network	ip-172-31-4-115	.#2XfMPZb	/run/systemd/netif/links/.#2XfMPZb	1
systemd-network	ip-172-31-4-115	.#2j4alAd	/run/systemd/netif/leases/.#2j4alAd	1
systemd-network	ip-172-31-4-115	.#2zdnagd	/run/systemd/netif/leases/.#2zdnagd	1
systemd-network	ip-172-31-4-115	.#state1LZwQd	/run/systemd/netif/.#state1LZwQd	1
systemd-network	ip-172-31-4-115	.#state6FEWjc	/run/systemd/netif/.#state6FEWjc	1
systemd-resolve	ip-172-31-4-115	.#resolv.confT5VHCl	/run/systemd/resolve/.#resolv.confT5VHCl	1

< 1 ... 204 205 206 207 208 >

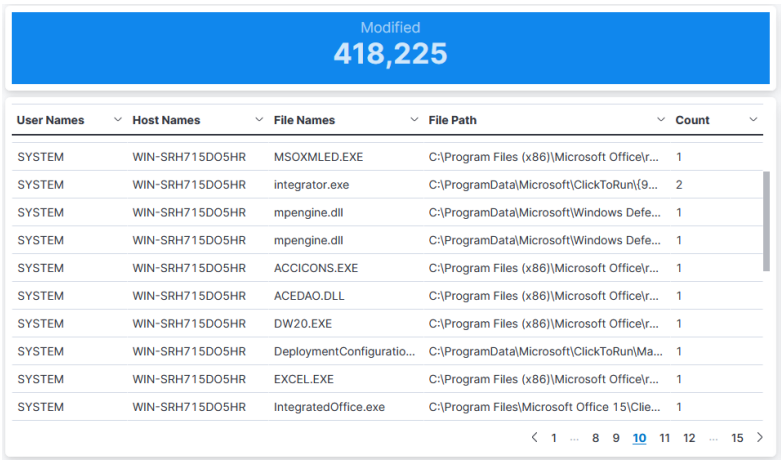


Files Deleted : Details of files deleted

Deleted
372,256

User Names	Host Names	File Names	File Path	Count
Administrator	WIN-SRH715DO5HR	API-MS-Win-core-string...	C:\Users\ADMINI~1\AppData\Local\Temp\...	1
Administrator	WIN-SRH715DO5HR	API-MS-Win-core-string...	C:\Users\ADMINI~1\AppData\Local\Temp\...	1
Administrator	WIN-SRH715DO5HR	API-MS-Win-core-xstate...	C:\Users\ADMINI~1\AppData\Local\Temp\...	1
Administrator	WIN-SRH715DO5HR	API-MS-Win-core-xstate...	C:\Users\ADMINI~1\AppData\Local\Temp\...	1
Administrator	WIN-SRH715DO5HR	API-MS-Win-devices-co...	C:\Users\ADMINI~1\AppData\Local\Temp\...	1
Administrator	WIN-SRH715DO5HR	API-MS-Win-devices-co...	C:\Users\ADMINI~1\AppData\Local\Temp\...	1
Administrator	WIN-SRH715DO5HR	API-MS-Win-devices-co...	C:\Users\ADMINI~1\AppData\Local\Temp\...	1
Administrator	WIN-SRH715DO5HR	API-MS-Win-devices-co...	C:\Users\ADMINI~1\AppData\Local\Temp\...	1
Administrator	WIN-SRH715DO5HR	API-MS-Win-security-lsa...	C:\Users\ADMINI~1\AppData\Local\Temp\...	1
Administrator	WIN-SRH715DO5HR	API-MS-Win-security-lsa...	C:\Users\ADMINI~1\AppData\Local\Temp\...	1

< 1 ... 104 105 106 107 108 ... 112 >



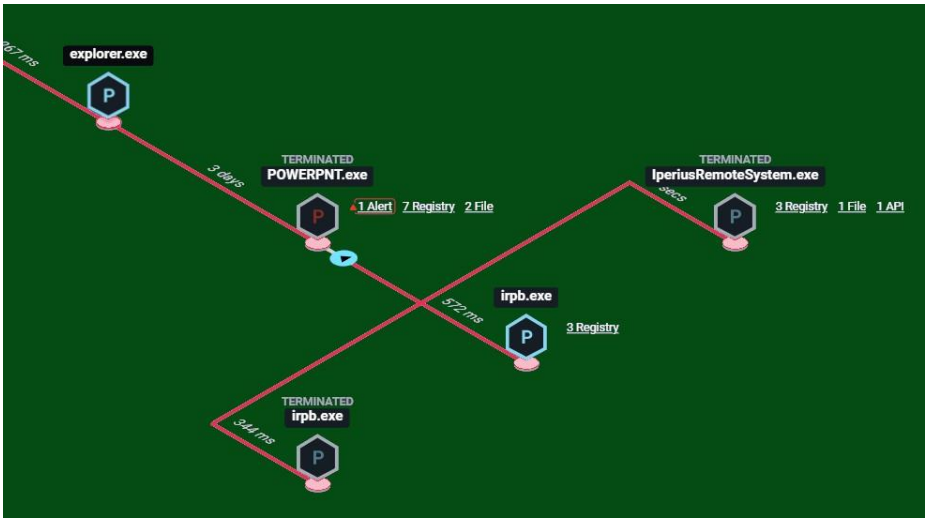
Modified
418,225

User Names	Host Names	File Names	File Path	Count
SYSTEM	WIN-SRH715DO5HR	MSOXMLED.EXE	C:\Program Files (x86)\Microsoft Office\r...	1
SYSTEM	WIN-SRH715DO5HR	integrator.exe	C:\ProgramData\Microsoft\ClickToRun\{9...	2
SYSTEM	WIN-SRH715DO5HR	mpengine.dll	C:\ProgramData\Microsoft\Windows Defe...	1
SYSTEM	WIN-SRH715DO5HR	mpengine.dll	C:\ProgramData\Microsoft\Windows Defe...	1
SYSTEM	WIN-SRH715DO5HR	ACCICONS.EXE	C:\Program Files (x86)\Microsoft Office\r...	1
SYSTEM	WIN-SRH715DO5HR	ACEDAO.DLL	C:\Program Files (x86)\Microsoft Office\r...	1
SYSTEM	WIN-SRH715DO5HR	DW20.EXE	C:\Program Files (x86)\Microsoft Office\r...	1
SYSTEM	WIN-SRH715DO5HR	DeploymentConfiguratio...	C:\ProgramData\Microsoft\ClickToRun\Ma...	1
SYSTEM	WIN-SRH715DO5HR	EXCEL.EXE	C:\Program Files (x86)\Microsoft Office\r...	1
SYSTEM	WIN-SRH715DO5HR	IntegratedOffice.exe	C:\Program Files\Microsoft Office 15\Clie...	1

< 1 ... 8 9 10 11 12 ... 15 >

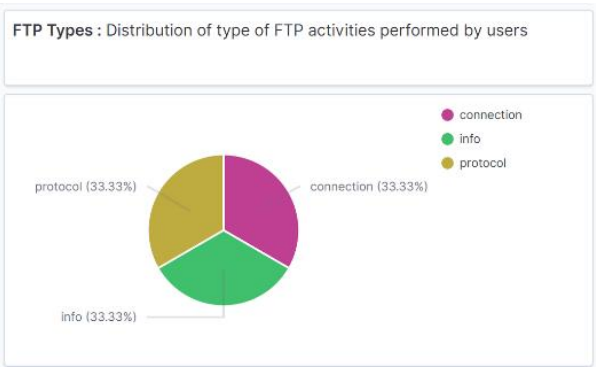
- Capabilities to collect other system/application logs from endpoints lays in local files as well as remote collection
- Remote collection mechanisms such as syslog, SNMP , HTTP API are supported
- Seamless integration with Data lake

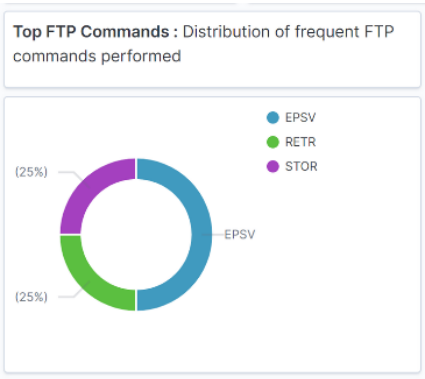
- Simple diagrammatic representation of what happened inside the host



NETWORK SENSOR

- Network sensor to extract rich logs from the network and feed it to the data-lake
- Capable of extracting domain lookups.
- Capable of extracting communication logs irrespective of TCP/IP Protocols.
- Capture high fidelity transaction logs in network
- Capture the network traffic across the network without installing agents across each network component





FTP Event Summary : Details of FTP activities performed

Host Name	Source IP	Destination IP	Session ID	FTP User	Reply Code	Reply Message	FTP Command	FTP Arg	Count
ip-172-31-4-115	192.168.1.182	192.168.1.231	CgMH9Q2kJPxD...	ftp	226	Transfer complete.	RETR	ftp://192.168.1.2...	1
ip-172-31-4-115	192.168.1.182	192.168.1.231	CgMH9Q2kJPxD...	ftp	226	Transfer complete.	STOR	ftp://192.168.1.2...	1
ip-172-31-4-115	192.168.1.182	192.168.1.231	CgMH9Q2kJPxD...	ftp	229	Entering Extende...	EPSV	-	1
ip-172-31-4-115	192.168.1.182	192.168.1.231	CgMH9Q2kJPxD...	ftp	229	Entering Extende...	EPSV	-	1

- Capable of capturing file-content metadata from network transactions
- Capture traffic to and from both internal and external critical systems
- More capable to handle east-west traffic to detect and investigate new generation attacks
- Capable of extracting and processing major Microsoft protocols used by active directories

SAMPLE KERBEROS PROTOCOL NETWORK SENSOR DATA DASHBOARD

Description Details of Kerberos activities obtained via network sensor

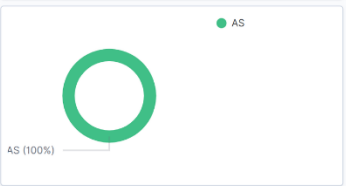
Kerberos Count : Total kerberos activities peformed

134

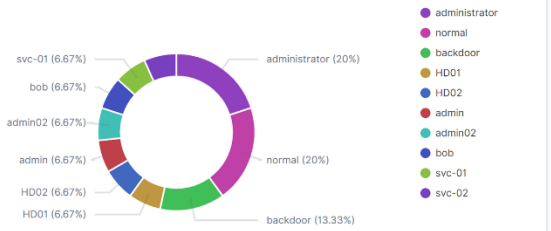
Top User Domains : Distribution of most frequent domains in activites performed

Kerberos Services : Distribution of kerberos services

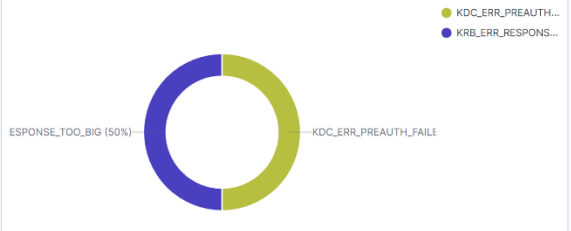
Request Types : Distribution of types of kerberos requests performed



Top Users : Distribution of most frequent users (top 25) in activities performed



Error Messages : Distribution of error messages that appeared during kerberos



Kerberos Details : Summary of kerberos activities performed

Clients	User Domains	Validity Until	Error Message	Request Types	Services	Success	Count
administrator/THREEB...	THREEBEESCO.COM	Jul 24, 2020 @ 00:46:3...	KDC_ERR_PREAUTH_F...	AS	krbtgt/THREEBEESCO....	false	1
normal/THREEBEESC...	THREEBEESCO.COM	Jul 24, 2020 @ 00:46:3...	KRB_ERR_RESPONSE_...	AS	krbtgt/THREEBEESCO....	false	1
backdoor/THREEBEES...	THREEBEESCO.COM	Jul 24, 2020 @ 00:46:3...	-	-	-	-	2
HD01/THREEBEESCO....	THREEBEESCO.COM	Jul 24, 2020 @ 00:46:3...	-	-	-	-	1
HD02/THREEBEESCO....	THREEBEESCO.COM	Jul 24, 2020 @ 00:46:3...	-	-	-	-	1
admin/THREEBEESCO....	THREEBEESCO.COM	Jul 24, 2020 @ 00:46:3...	-	-	-	-	1
admin02/THREEBEES...	THREEBEESCO.COM	Jul 24, 2020 @ 00:46:3...	-	-	-	-	1
bob/THREEBEESCO.C...	THREEBEESCO.COM	Jul 24, 2020 @ 00:46:3...	-	-	-	-	1
svc-01/THREEBEESC...	THREEBEESCO.COM	Jul 24, 2020 @ 00:46:3...	-	-	-	-	1
svc-02/THREEBEESC...	THREEBEESCO.COM	Jul 24, 2020 @ 00:46:3...	-	-	-	-	1

Recent Kerberos Events : Details of recent kerberos activities

1–50 of 134

Time	zeek.kerberos.client	zeek.kerberos.error.msg	zeek.kerberos.request_type	zeek.kerberos.success	zeek.kerberos.valid.until	zeek.kerberos.service
Mar 17, 2021 @ 12:57:18.956	-	-	-	-	-	-
Feb 22, 2021 @ 12:49:28.200	-	-	-	-	-	-
Feb 22, 2021 @ 12:49:28.199	-	-	-	-	-	-
Feb 22, 2021 @ 12:49:28.196	-	-	-	-	-	-
Feb 22, 2021 @ 12:49:28.196	-	-	-	-	-	-
Feb 22, 2021 @ 12:49:28.196	-	-	-	-	-	-
Feb 22, 2021 @ 12:49:28.196	-	-	-	-	-	-
Feb 22, 2021 @ 12:49:28.196	-	-	-	-	-	-
Feb 22, 2021 @ 12:49:28.196	-	-	-	-	-	-

activebytes innovations

- Capable of integrating with proposed Data Lake
- Supports virtualized environment as well as dedicated appliance or hardware
- Allows analysts to look into past data for specific IOCs with its high-fidelity logs
- Capable to process and generate metadata of 50+ major application layer protocols.

FULL LIST OF SUPPORTED PROTOCOLS

1	BITTORRENT
2	BITTORRENTTRACKER
3	CONNSIZE
4	DCE_RPC
5	DHCP
6	DNP3_TCP
7	DNP3_UDP
8	CONTENTS_DNS
9	DNS
10	FTP_DATA
11	IRC_DATA
12	FINGER
13	FTP
14	FTP_ADAT
15	GENEVE
16	GNUTELLA
17	GSSAPI
18	GTPV1
19	HTTP
20	ICMP
21	IDENT
22	IMAP
23	IRC
24	KRB
25	KRB_TCP
26	CONTENTS_RLOGIN
27	CONTENTS_RSH
28	LOGIN
29	NVT
30	RLOGIN
31	RSH
32	TELNET
33	MODBUS
34	MQTT
35	MYSQL
36	CONTENTS_NCP

37	NCP
38	CONTENTS_NETBIOSSSN
39	NETBIOSSSN
40	NTLM
41	NTP
42	PIA_TCP
43	PIA_UDP
44	POP3
45	RADIUS
46	RDP
47	RDPEUDP
48	RFB
49	CONTENTS_NFS
50	CONTENTS_RPC
51	MOUNT
52	NFS
53	PORTMAPPER
54	SIP
55	CONTENTS_SMB
56	SMB
57	SMTP
58	SNMP
59	SOCKS
60	SSH
61	DTLS
62	SSL
63	SYSLOG
64	CONTENTLINE
65	CONTENTS
66	TCPSTATS
67	TCP
68	TEREDO
69	UDP
70	VXLAN
71	XMPP