Icemaiden (2019-12-03)

2-1. 구성 환경

구성 환경

LAN segment range: 10.18.20.0/24 (10.18.20.0 through 10.18.20.255)

Domain: icemaiden.com

Domain controller: 10.18.20.08 - Icemaiden-DC

LAN segment gateway: 10.18.20.1

LAN segment broadcast address: 10.18.20.255

2-2. 문제 및 해답

문제 및 해답

Q. What is the IP address, MAC address, and host name of the infected Windows host?

: 10.18.20.97, 00:01:24:56:9b:cf, JUANITA-WORK-PC

Q. What is the Windows user account name of the victim on this infected Windows host?

: momia.juanita

ip	.src eq 10.18.20.97							
lo.	Time	Source	▼ Destination	1	Protoco	Length In	fo	
	1 0.000000	10.18.20.97	10.18.20	. 8	TCP	66 49	9185 - 389	[SY
	3 0.000390	10.18.20.97	10.18.20	.8	TCP	54 49	9185 → 389	[AC
	4 0.000715	10.18.20.97	10.18.20	.8	LDAP	404 se	earchReques	t(1
	7 0.001104	10.18.20.97	10.18.20	.8	TCP	54 49	9185 → 389	[ACI
	8 0.002444	10.18.20.97	10.18.20	.8	TCP	1514 49	9185 → 389	[AC
	9 0.002452	10.18.20.97	10.18.20	.8	LDAP	348 b:	indRequest	3)
	12 0.004347	10.18.20.97	10.18.20	.8	LDAP	170 S/	ASL GSS-API	In
	14 0.004714	10.18.20.97	10.18.20	.8	LDAP	156 SA	ASL GSS-API	In
	16 0.005104	10.18.20.97	10.18.20	.8	LDAP	271 S/	ASL GSS-API	In
	18 0.005530	10.18.20.97	10.18.20	.8	LDAP	254 S/	ASL GSS-API	In
	20 0.010858	10.18.20.97	10.18.20	.8	TCP	66 49	9186 - 389	[SY
	22 0.011081	10.18.20.97	10.18.20	.8	TCP	54 49	9186 → 389	[AC
	23 0.014461	10.18.20.97	10.18.20	.8	TCP	1514 49	9186 → 389	TAC
ir Tr	Destination: [Source: Acer_{ Type: IPv4 (0) ternet Protoco ansmission Cor	Dell_12:a7:3a (bc 56:9b:cf (00:01:24 x0800) Dl Version 4, Src: ntrol Protocol, Sr	1:56:9b:cf) 10.18.20.97, Dst c Port: 49185, Ds	: 10.18.20	. 8		.50.12.a/.	5a)
- Loren		and ip.addr eq 10.18.20.97	ACCOUNTS OF THE PARTY OF THE PA		u museus levi		1000	
lo.	Time	Source	* Destination	Protocol	The second secon	and the second s	Inf	
	42 0.033744	10.18.20.8	10.18.20.97	KRB5	10-10-10-10-10-10-10-10-10-10-10-10-10-1	ANITA-WORK-		- REP
	54 0.035636 99 25.869607	19.18.20.8 19.18.20.8	19.18.20.97 19.18.20.97	KRB5 KRB5	100000000000000000000000000000000000000	ANITA-WORK-	10.070 TeV	S-REF
	111 25.810430	10.18.20.8	10.18.20.97	KRB5 KRB5		mia.juanita mia.juanita		S-RE
	130 26.198996	10.18.20.8	10.18.20.97	KRB5	2000 000 00000	mia.juanita mia.juanita	7. 1	S-RE
	163 26.234556	10.18.20.8	10.18.20.97	KRB5	The second second second	mia.juanita mia.juanita	1977	S-RE
	175 26.235588	10.18.20.8	10.18.20.97	KRB5	C-100	mia.juanita		S-RE
	209 26.733287	19.18.20.8	10.18.20.97	KRB5		mia.juanita		S-RE
	200 00 00 0000	2012012010	20125100101	10000	200 (00	The state of the s		-

AS-REQ

Q. What type of malware was the victim infected with?

: Ursnif

alters.jpg			
Dst IP	DPort	Pr	Event Message
10.18.20.8	389	6	ET POLICY Reserved Internal IP Traffic
10.18.20.97	49185	6	ET POLICY Reserved Internal IP Traffic
10.18.20.8	88	6	GPL RPC kerberos principal name overflow TCP
10.18.20.97	59102	17	ET DNS Standard query response, Name Error
10.18.20.97	49354	6	ET POLICY Lets Encrypt Free SSL Cert Observed
10.18.20.97	49364	6	ET POLICY Lets Encrypt Free SSL Cert Observed
10.18.20.97	49561	6	ET POLICY Lets Encrypt Free SSL Cert Observed
8.208.24.139	80	6	ETPRO TROJAN Ursnif Variant CnC Beacon 12 M1
8.208.24.139	80	6	ETPRO TROJAN Ursnif Variant CnC Beacon 12 M2
208.67.222.222	53	17	ET POLICY External IP Lookup Domain (myip.opendns .com in DNS lookup
10.18.20.97	49597	6	SURICATA HTTP unable to match response to request

Q. Based on traffic from the pcap, where did the malware likely come from?

: Email을 통해서 온 가능성이 높음. 이유는 사용자가 감염되기전 mail.aoi.com에 방문한 짧은 기록이 있음.

10.18.20.97	10.18.20.8	DNS	72 Standard query 0x957a A mail.aol.com
10.18.20.97	10.18.20.8	DNS	77 Standard query 0x9cca A oidc.mail.aol.com
10.18.20.97	10.18.20.8	DNS	77 Standard query 0x3e08 A api.login.aol.com
10.18.20.97	10.18.20.8	DNS	73 Standard query 0x277b A login.aol.com

Q. After the initial infection, what type of web page/website did the victim appear to visit?

: 희생자가 뱅킹사이트에 접속한것으로 보인다. 이유는 몇 다수의 HTTPS 도메인 중 마지막 부분이 bankofamerica.com으로 확인

