PCAP CHALLENGE

Computer Forensic | PCAP CHALLENGE

ANGGOTA KELOMPOK



2502004235







MADE 2502005723



JONATHAN 2501986611

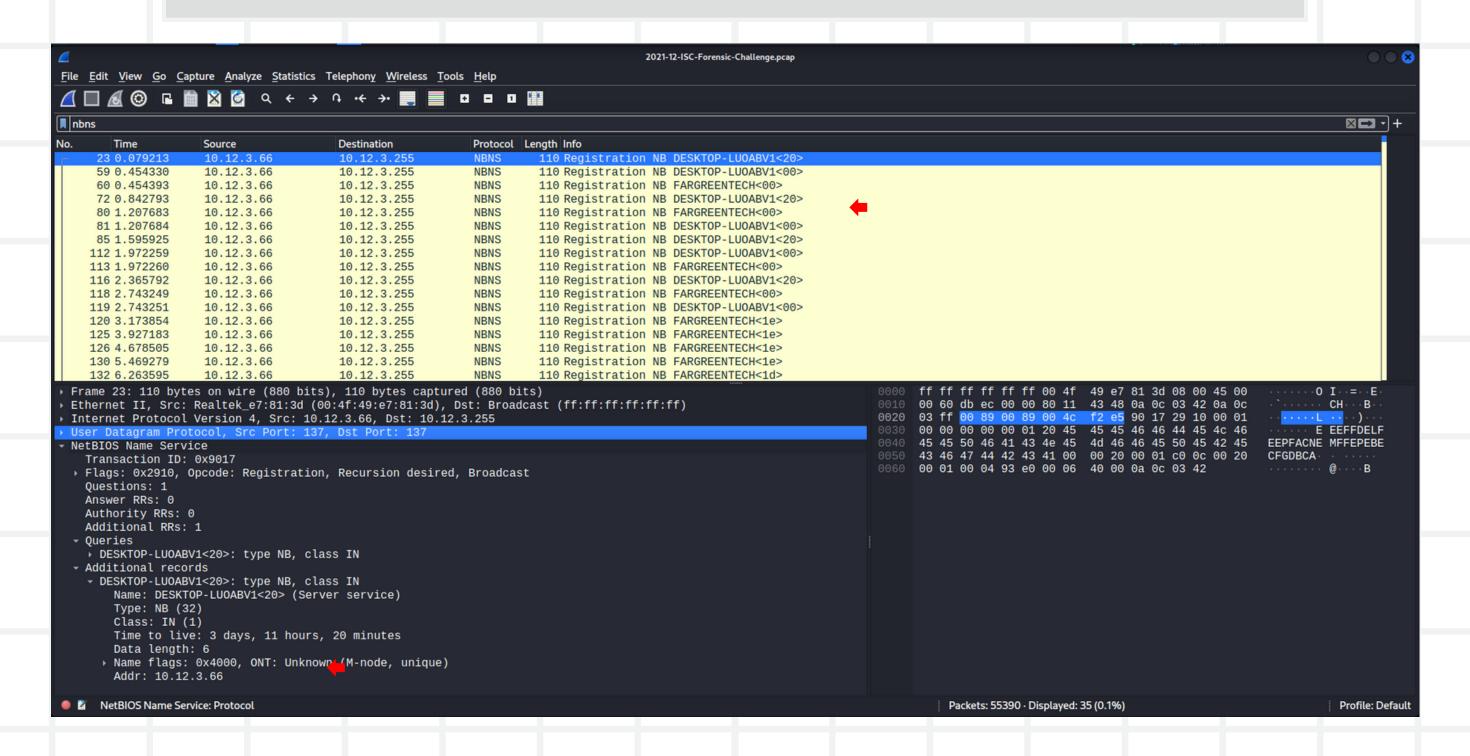


MAX 2502011360

QUESTION

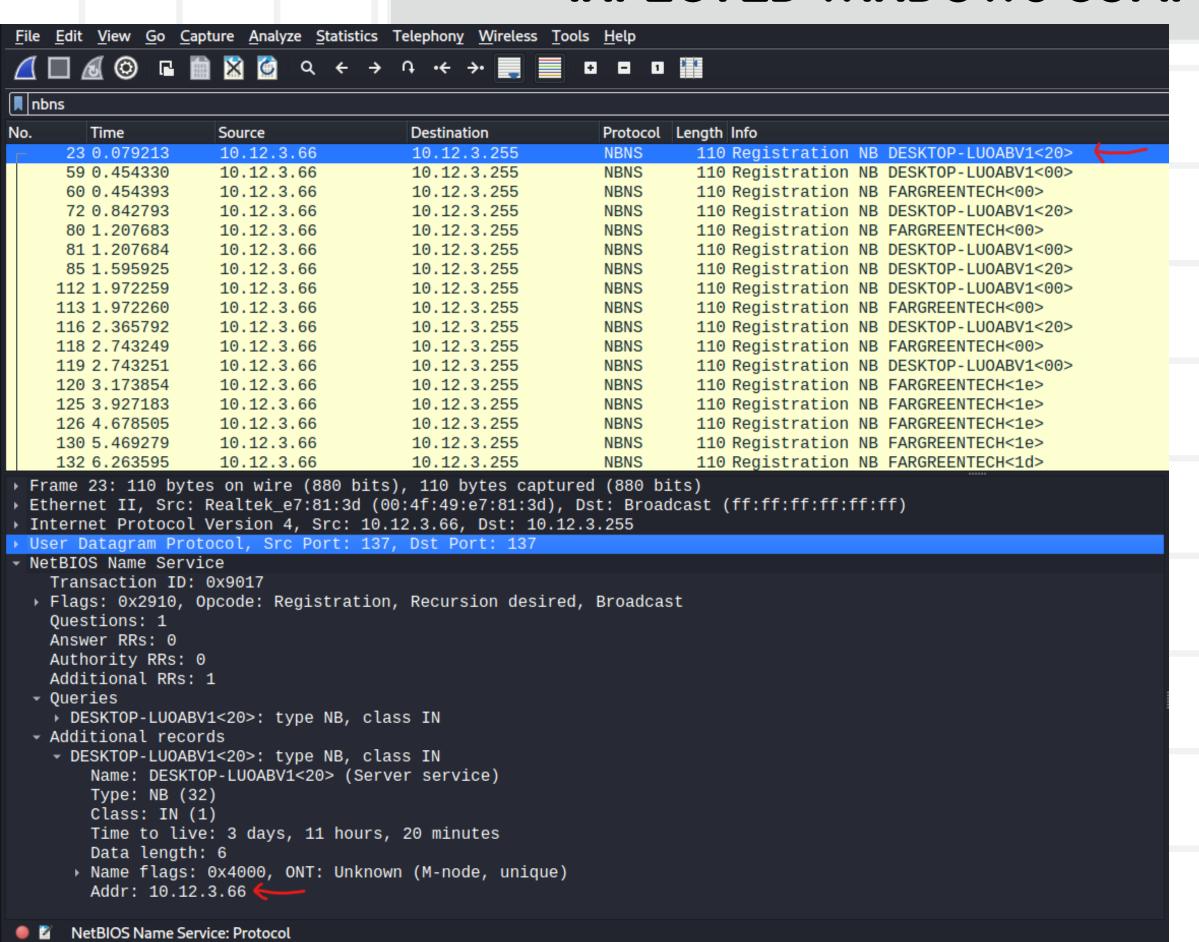
- 1. What was the IP address of the infected Windows computer?
- 2. What was the host name of the infected Windows computer?
- 3. What was the user account names from the infected Windows computer? (should be "name" not "names")
- 4. What was the date and time the infection activity began?
- 5. What was the family of malware that caused this infection.

WHAT WAS THE IP ADDRESS OF THE INFECTED WINDOWS COMPUTER?



• **Answer**: The IP Address of the infected windows computer is "**10.12.3.66**". You can see in the wireshark, the only windows machine is the IP "10.12.3.66".

WHAT WAS THE HOST NAME OF THE INFECTED WINDOWS COMPUTER?



Answer: As from the screenshot in number 1 answer, the IP
"10.12.3.66" comes from windows computer called

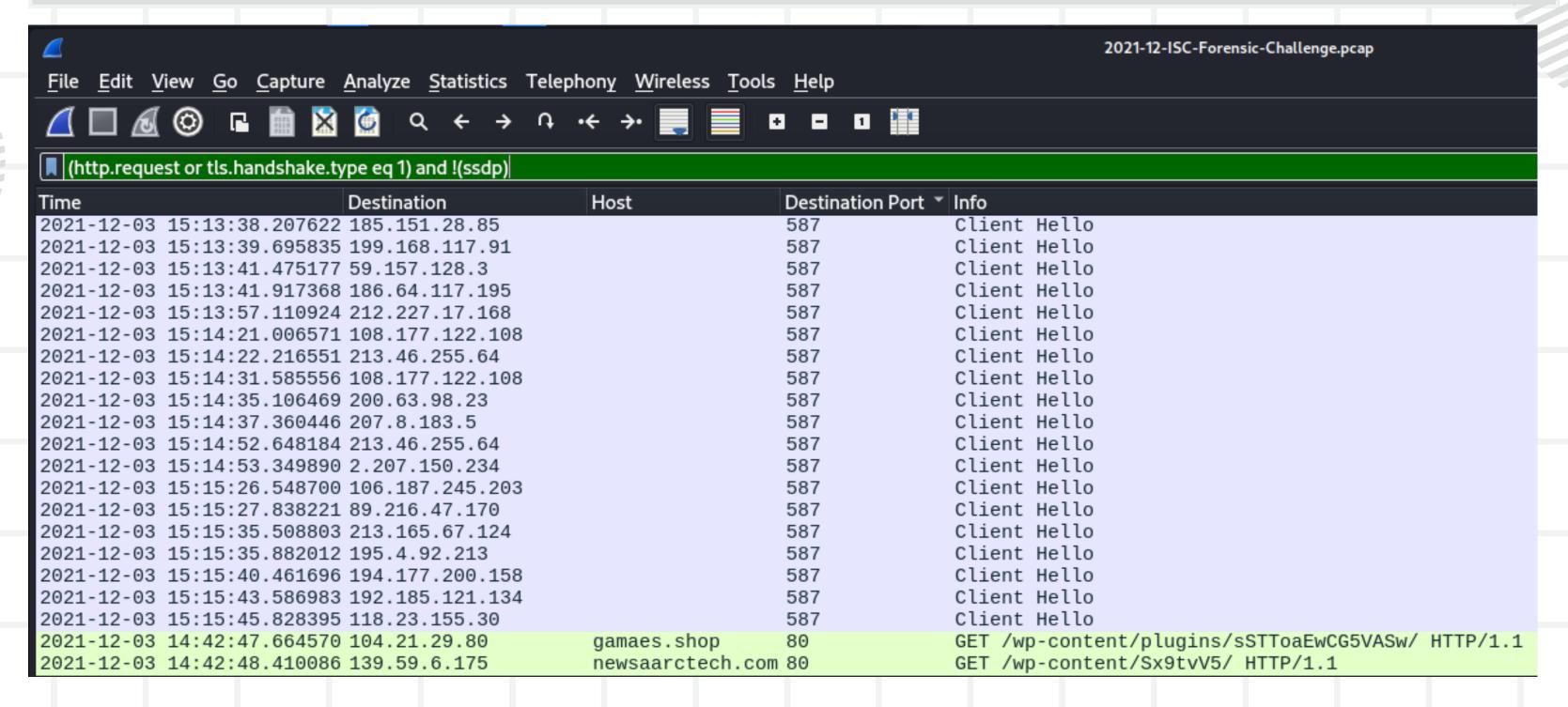
DESKTOP-LUOABVI

WHAT WAS THE USER ACCOUNT NAMES FROM THE INFECTED WINDOWS COMPUTER? (SHOULD BE "NAME" NOT "NAMES")

	nh ann a CNIann Ch									
kerberos.CNameString										
No.	Time	Source	Destination		Length CNameString	Info				
	224 18.627537	10.12.3.66	10.12.3.3	KRB5	292 darin.figuero					
	232 18.635989	10.12.3.66	10.12.3.3	KRB5	372 darin.figuero	_				
	234 18.637593	10.12.3.3	10.12.3.66	KRB5	387 darin.figuero					
	246 18.640973	10.12.3.3	10.12.3.66	KRB5	285 darin.figuero					
	341 18.833789	10.12.3.3	10.12.3.66	KRB5	411 darin.figuero					
	395 18.899607	10.12.3.3	10.12.3.66	KRB5	357 darin.figuero					
	407 18.901126	10.12.3.3	10.12.3.66	KRB5	272 darin.figuero	a TGS-REP				
	[Checksum Status	: Unverified]				*****				
	Urgent Pointer:	_								
	[Timestamps]									
	[SEQ/ACK analysi	is1								
	TCP payload (238									
	[PDU Size: 238]									
	rberos									
	Record Mark: 234	l bytes								
* as-req										
	pvno: 5									
	msg-type: krb-	as-reg (10)								
	→ padata: 1 item									
	req-body									
	Padding: 0									
	kdc-options:	: 40810010								
	→ cname									
		: kRB5-NT-PRINCIP	AL (1)							
	→ cname-str									
		ring: darin.figue	roa							
	realm: FARG	REENTECH								
	→ sname									
		2, 2037 22:48:05.								
	rtime: Sep 1	12, 2037 22:48:05	.000000000 EDT							

Answer: The infected host name of the infected Windows
Computer is darin.figueroa. We can see it from the CNameString.

WHAT WAS THE DATE AND TIME THE INFECTION ACTIVITY BEGAN?

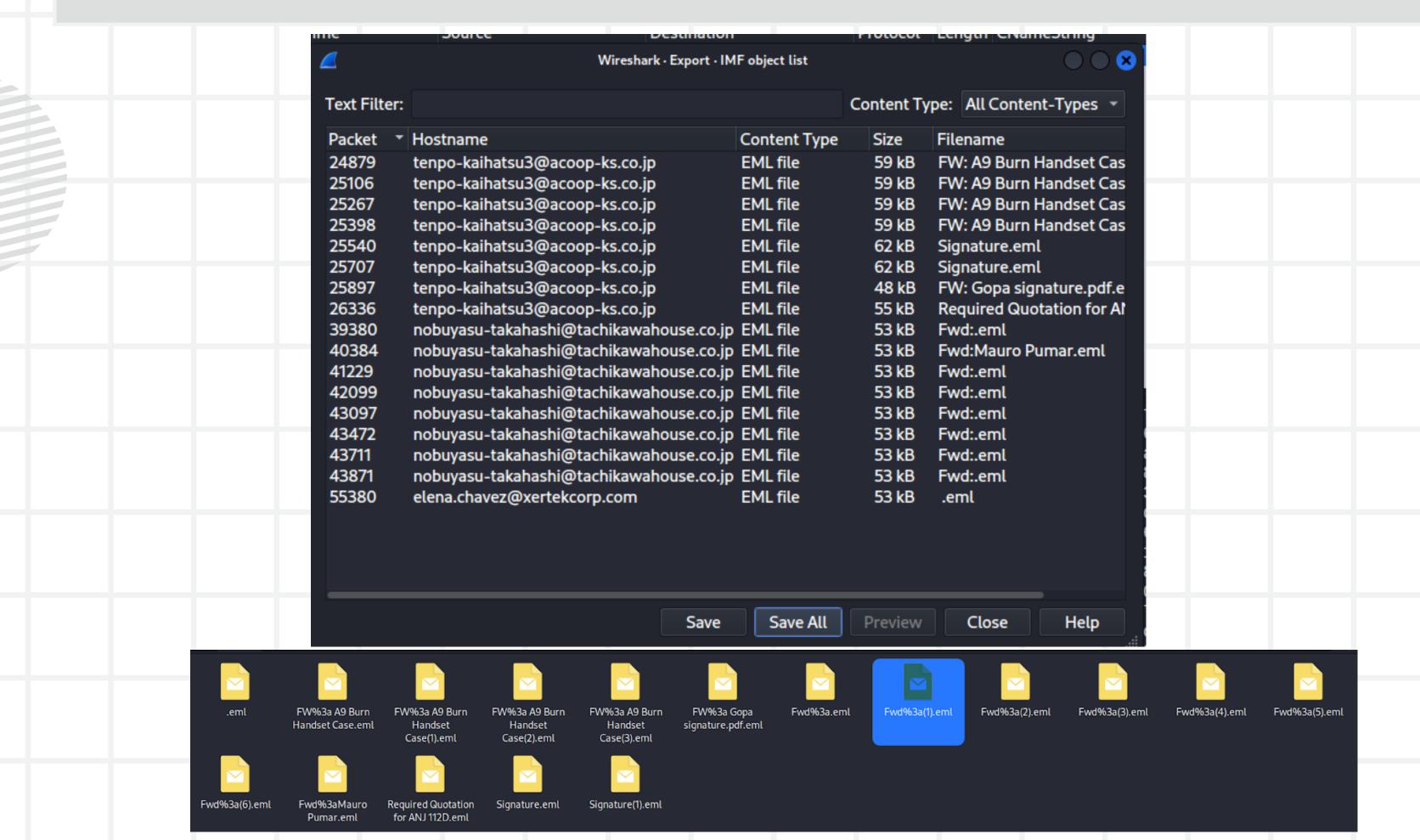


Answer: From the filtered traffic above, there are two unusual HTTP
GET from unassociated domain. That means, the infection was began
in 2021-12-03 at 14:42:47.

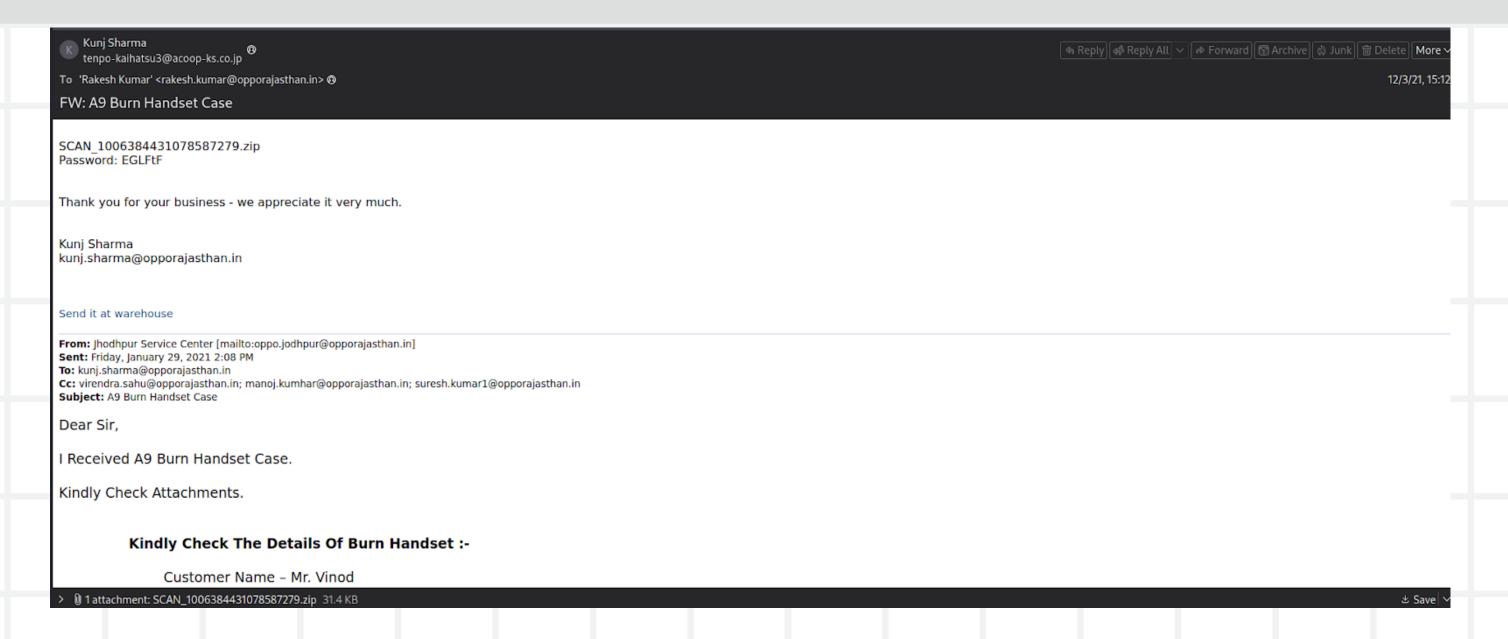
WHAT WAS THE FAMILY OF MALWARE THAT CAUSED THIS INFECTION?

smtp.data.fragment										
Time	Destination	Host	Destination Port	Info						
2021-12-03 15:12:19.379697	58.80.137.169	•	587	from: "Iqra.Malik" <tenpo-kaihatsu3@acoop-ks.c< td=""></tenpo-kaihatsu3@acoop-ks.c<>						
2021-12-03 15:12:20.237019	58.80.137.169		587	from: "Iqra.Malik" <tenpo-kaihatsu3@acoop-ks.c< td=""></tenpo-kaihatsu3@acoop-ks.c<>						
2021-12-03 15:12:15.934244	58.80.137.169		587	from: "Kunj Sharma" <tenpo-kaihatsu3@acoop-ks.< td=""></tenpo-kaihatsu3@acoop-ks.<>						
2021-12-03 15:12:16.813761	58.80.137.169		587	from: "Kunj Sharma" <tenpo-kaihatsu3@acoop-ks.< td=""></tenpo-kaihatsu3@acoop-ks.<>						
2021-12-03 15:12:17.683906	58.80.137.169		587	from: "Kunj Sharma" <tenpo-kaihatsu3@acoop-ks.< td=""></tenpo-kaihatsu3@acoop-ks.<>						
2021-12-03 15:12:18.526407	58.80.137.169		587	from: "Kunj Sharma" <tenpo-kaihatsu3@acoop-ks.< td=""></tenpo-kaihatsu3@acoop-ks.<>						
2021-12-03 15:13:22.245161	219.99.220.143		587	from: "PHARMACY USA" <nobuyasu-takahashi@tachi< td=""></nobuyasu-takahashi@tachi<>						
2021-12-03 15:13:23.469801	219.99.220.143		587	from: "PHARMACY USA" <nobuyasu-takahashi@tachi< td=""></nobuyasu-takahashi@tachi<>						
2021-12-03 15:13:24.713160	219.99.220.143		587	from: "PHARMACY USA" <nobuyasu-takahashi@tachi< td=""></nobuyasu-takahashi@tachi<>						
2021-12-03 15:13:25.637276	219.99.220.143		587	from: "PHARMACY USA" <nobuyasu-takahashi@tachi< td=""></nobuyasu-takahashi@tachi<>						
2021-12-03 15:13:26.599015	219.99.220.143		587	from: "PHARMACY USA" <nobuyasu-takahashi@tachi< td=""></nobuyasu-takahashi@tachi<>						
2021-12-03 15:13:27.525261	219.99.220.143		587	from: "PHARMACY USA" <nobuyasu-takahashi@tachi< td=""></nobuyasu-takahashi@tachi<>						
2021-12-03 15:13:19.980659	219.99.220.143		587	from: "PHARMACY_Rx" <nobuyasu-takahashi@tac< td=""></nobuyasu-takahashi@tac<>						
2021-12-03 15:12:21.082544	58.80.137.169		587	from: "R GOPAKUMAR" <tenpo-kaihatsu3@acoop-ks.< td=""></tenpo-kaihatsu3@acoop-ks.<>						
2021-12-03 15:12:21.975427	58.80.137.169		587	from: "Rashmi" <tenpo-kaihatsu3@acoop-ks.co.jp< td=""></tenpo-kaihatsu3@acoop-ks.co.jp<>						
2021-12-03 15:13:21.230161	219.99.220.143		587	from: "Rosangela Matoso" <nobuyasu-takahashi@t< td=""></nobuyasu-takahashi@t<>						
2021-12-03 15:15:46.249581	190.81.124.11		25	from: "Viagra_Rx" <elena.chavez@xertekcorp< td=""></elena.chavez@xertekcorp<>						

WHAT WAS THE FAMILY OF MALWARE THAT CAUSED THIS INFECTION?



WHAT WAS THE FAMILY OF MALWARE THAT CAUSED THIS INFECTION?



Answer: If we look at the contents of the email sent, we can see that Windows Computer sent spam emails to many people with various contents. This PC is infected with spam robots which can be seen from the PC's unusual behavior (sending spam emails to many people). And from the traffic we saw from the previous question, the malware family that caused this infection was **Emotet**.

