



Cyber 4.0

Kovelin Naidoo

LAY OF THE LAND

“

THOSE WHO DO NOT KNOW THE PLANS OF COMPETITORS CANNOT PREPARE ALLIANCES. THOSE WHO DO NOT KNOW THE LAY OF THE LAND CANNOT MANEUVER THEIR FORCES. THOSE WHO DO NOT USE LOCAL GUIDES CANNOT TAKE ADVANTAGE OF THE GROUND.

SUN TZU

”

“

“I’M HERE TO TELL YOU THAT YOUR CYBER SYSTEMS CONTINUE TO FUNCTION AND SERVE YOU NOT DUE TO THE EXPERTISE OF YOUR SECURITY STAFF BUT SOLELY DUE TO THE SUFFERANCE OF YOUR OPPONENTS.

Brian Snow, 2012.
Head of Information Assurance NSA

”



STANDARD BANK COMPUTER WAS HACKED IN **R300m** **ATM FRAUD HIT** - report

2016-06-30 11:03
Gareth van Zyl, Fin24



TWO GHANAIS ARRESTED FOR ALLEGEDLY **HACKING BANK** **ACCOUNTS**

According to the police, the syndicate transferred money from its coffers to the personal accounts of some other customers. Afterwards, they connived with the customers to withdraw the money.

2016-10-21
Kwasi Gyamfi Asiedu



KENYA REVENUE AUTHORITY '**LOST** **\$39m TO HACKER**'

ORGANISED CRIME

Background + Context



World's first encrypted
wireless Communication
network




Real world innovation:
Narco submarines
8 tons on board minimum



NEXT
GENERATION
MALWARE

PAY-PER-INSTALL

13.02.2017



Продам загрузки микс мира.
Гружу через лоадер.
Цена 70\$ за 1000 инсталов.
Минималка 500 инсталов.
Постоянным клиентам и за опт делаю скидки.
Выборка обговаривается отдельно.
По всем остальным вопросам писать в жаббер.

sergey.ulanov
New Member

Регистрация: 8.02.2017
Сообщения: 1
Одобрено: 3
Репутация: 0

sergey.ulanov@exploit.im
В последний раз редактировался: 29.05.2017

Это одобряют [xdi1xx](#), [gentoi](#) и [Denin](#).

Selling mix world downloads.

Loads through the loader.

The price is 70 \$ for 1000 installs.

Minimal 500 installations.

To regular customers and for wholesale I make discounts.

The sample is negotiated separately.

For all other questions, write to the jabber.

Sergey.ulanov@exploit.im

Selling android installations:

Price: from 1 dollar to 1.5 - installation.

With you it is necessary: access to statistics and clean apk.

The apk must be crypted. On the test I do not pour, in advance, too.

Downloads: \$ 4 - 1000 conversions.

Orders from \$ 30

Garant greetings!

Payment Qiwi, Yandex money.

Contact for communication: android2011@xmpp.jp


There is also an android bot with injections on sale. Working on versions from 2.2 to 5.0 and higher.

Продам андроид инсталлы и загрузки

Тема в разделе "Трафик, лоады, инсталлы, загрузки", создана пользователем Traffic1, 20/10/16.

Метки: [андроид](#) [андроид бот](#) [андроид загрузки](#) [андроид инсталлы](#) [андроид траффинг](#) [инсталлы](#)

Traffic1
Загруженный



Продам андроид инсталлы:
Цена: от 1 доллара до 1.5 - установка.
С вас обязательно: доступ к статистике и чистый apk.
Апк должен быть криптован. На тест не лью, наперед тоже.
Загрузки: 45 - 1000 переходов.
Заказы от 30\$
Гарант приветствую!
Оплата Qiwi, Yandex деньги.
Контакт для связи: android2011@xmpp.jp
Так же есть в продаже андроид бот с инъекциями, работающий на версиях от 2.2 до 5.0 и выше.

BUSINESS INTELLIGENCE VALUE ADD

ID	Login info	Bank	IP	Last activity	Assigned	Action	Comment
551	[redacted]@e	RBS (Business)	62.[redacted]:2	18:07:43 (10.07)	-	+	77k
582	[redacted]	HSBC (business)	[redacted]	18:07:18 (10.07)	-	+	
589	[redacted]	Natwest (Business)	[redacted]	18:07:23 (10.07)	-	+	
588	[redacted]	TSB (business)	[redacted]	18:07:43 (10.07)	-	+	
527	[redacted]@ibgb1.co.uk	(Business)	[redacted]	18:07:41 (10.07)	-	+	-6k.skip
506	[redacted]	Bank of Scotland (corporate)	[redacted]	18:07:58 (10.07)	-	+	
514	176.[redacted]@h	RBS (Business)	8.[redacted]:4	17:07:39 (10.07)	-	+	500k balance. inter-UK pod chaps dropov pod krupnoe net.skip poka
564	[redacted]	Natwest (Business)	[redacted]	17:07:57 (10.07)	-	+	
586	[redacted]	Natwest (Business)	[redacted]	17:07:13 (10.07)	-	+	
539	26.[redacted]@53	RBS (Business)	2.[redacted]	17:07:27 (10.07)	-	+	акк для авторизации платежей. 2kk balance. skip
587	[redacted]	Santander (business)	[redacted]	17:07:14 (10.07)	-	+	
492	1.[redacted]	RBS (Business)	[redacted].8	16:07:34 (10.07)	-	+	PIR:1357 Pass:Aegis12 TMS-Payment approval - %Password21 balance total 40kk. dual auth
585	[redacted]	Unity Trust	[redacted]	16:07:22 (10.07)	-	+	
584	[redacted]	Santander (business)	[redacted]	16:07:09 (10.07)	-	+	
583	86.[redacted]@bionetti	RBS (Business)	[redacted].194	14:07:15 (10.07)	-	+	нет функции подтверждения платежа. 18kk. poproboval 2kk slit' na china
579	[redacted]	Santander (business)	[redacted]	14:07:21 (10.07)	-	+	11,3k на toader cocier 202569 13208710(2PAC)
566	37.[redacted]@m	RBS (Business)	[redacted].0	14:07:05 (10.07)	-	+	7kk balance. dual auth-ON. lutsche prozonom lit'
581	[redacted]	Santander (business)	[redacted]	14:07:03 (10.07)	-	+	slito 15k (2PAC) Josif Kasparovic 20-25-85. 90077186, венурились обратно

Balance is 500 thousand pounds, inter-UK, for money mules (now such money mules now). Skip for now.

Account for authorization of payments, balance is 2 million pounds

No function of payment approval. Balance is 18 million pounds. Tried to transfer 2 million to China

Balance is 15 million pounds, dual authorization off. No opportunity to establish sort code for transfer. It is better to ring out

THREAT ACTORS



NATION STATES

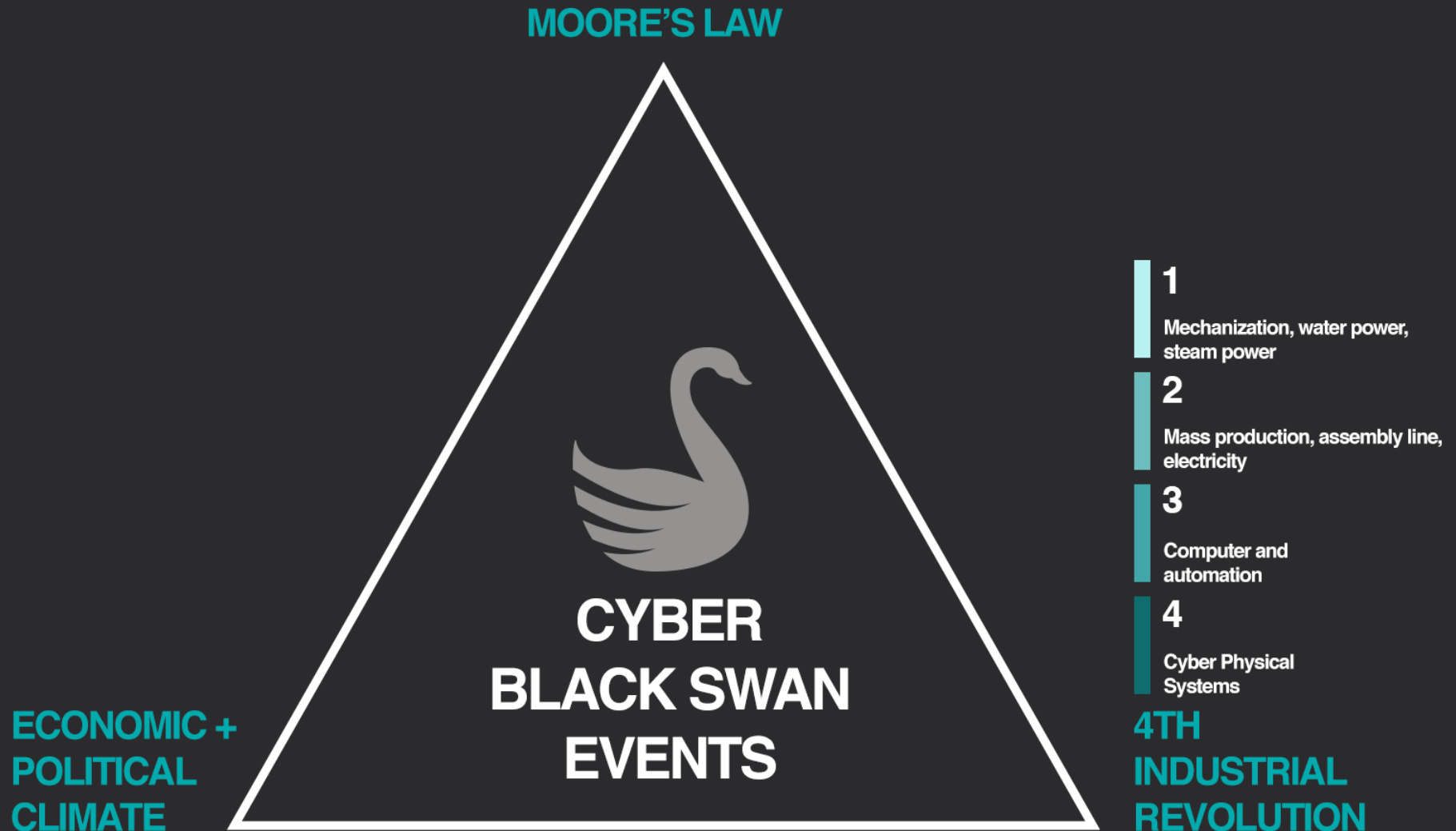


**MOTIVATED
BY PROFIT**



**MOTIVATED
BY CAUSE**

THREE FORCES OF CYBER EFFECT (3FC)



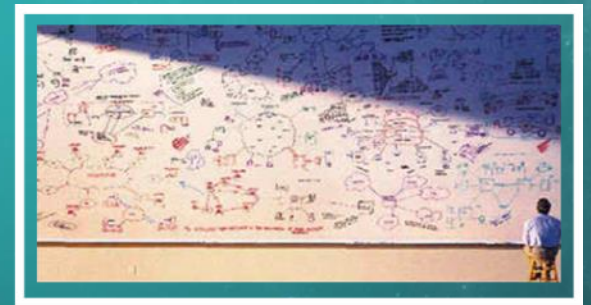
LAY OF THE LAND



ASSANGE EFFECT



SNOWDEN EFFECT



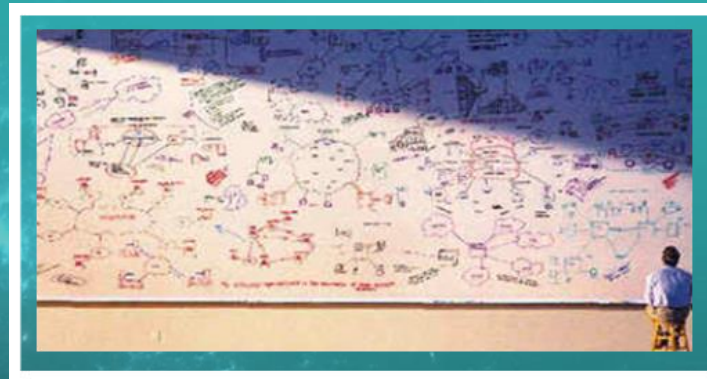
**ATTACK SURFACE
COMPLEXITY**



ASSANGE EFFECT



SNOWDEN EFFECT



ATTACK SURFACE COMPLEXITY

ATTACK SURFACE COMPLEXITY



1991 - 10,239 lines of code

2017 - 33,580,696

LOC % bugs?



20M lines of code

ATTACK SURFACE COMPLEXITY



FILLING STATIONS

GLOBAL RESULTS

9

TOP COUNTRIES



South Africa

9

TOP CITIES

Rustenburg	1
Queenstown	1
Port Elizabeth	1
Newcastle	1
George	1

TOP SERVICES

FTP	4
PPTP	2
Telnet	2
Automated Tank Gauge	1

TOP ORGANIZATIONS

Internet Solutions	4
Fiber-PTY LTD	1
Cipherwave Viscosity Solutions	1
CipherWave Storage Solutions...	1
Breednet	1

TOP PRODUCTS

MicroTik router Rpt	4
P58-480	1

Added on 2017-06-10 21:54:07 GMT

South Africa, George
Details

User Access Verification

Username:

Fiber-PTY LTD

Added on 2017-06-10 10:51:18 GMT

South Africa, Newcastle
Details

Ubiquiti Networks Device

MAC: 88:2a:a8:b6:b3:3d
Alternate IP: 192.168.1.1
Alternate MAC: 88:2a:a8:b7:b3:3d

Product: P58-480
Version: XK.ar534x.v6.8.4.38885.178585.1518

196-259-180-7 (unverified) (added on 2017-06-09 07:03:23 GMT)

Internet Solutions
South Africa
Details

User Access Verification

Username:

Cipherwave Viscosity Solutions

Added on 2017-06-09 00:43:17 GMT

South Africa, Cape Town
Details

538 Login incorrect
588 "HELP": command not understood
588 "FEAT": command not understood

CipherWave Storage Solutions (Pty) Ltd

Added on 2017-06-10 23:34:45 GMT

South Africa
Details

538 Login incorrect
588 "HELP": command not understood
588 "FEAT": command not understood



DDOS & IOT

PLEASE FORWARD THIS EMAIL TO SOMEONE IN YOUR COMPANY WHO IS ALLOWED TO MAKE IMPORTANT DECISIONS!!!
WE ARE DDoS HACKERS CARTEL.

All your servers will be DDoS-ed starting Wednesday February 8th 2017 from 8.00am if you don't pay Protection Fee of **USD \$2,000** by **PayPal to: ddoscartel@gmail.com**

If you don't pay by Tuesday 7th, attack will start, price to stop will increase to **USD \$5,000** and will go up **USD \$500** for every day of attack.

What does this mean?

This means that your website and other connected services will be unavailable for everyone; during the downtime you will not be able to generate any sales. Please also note that this will severely damage your reputation amongst your users / customers as well as strongly hurt your Google rankings (worst case = your website will get DE-indexed).

How do I stop this?

We are willing to refrain from attacking your servers for a small fee. The current fee is **USD \$2,000**. The fee will increase by **USD \$500** for each day that has passed without payment. Please send the Protection Fee to the following **PayPal address: ddoscartel@gmail.com**

This is not a joke.

Our attacks are extremely powerful – sometimes over 1 Tbps per second.

So, no cheap protection will help.

What if I don't pay?

If you decide not to pay, we will start the attack at the indicated date and uphold it until you do, there's no counter measure to this, and you will only end up wasting more money trying to find a solution. We will completely destroy your reputation amongst Google and your customers and make sure your website will remain offline until you pay.

This is not a hoax, do not reply to this email, don't try to reason or negotiate, we will not read any replies. Once you have paid we won't start the attack and you will never hear from us again!

Please note that PayPal is anonymous and no one will find out that you have complied.

BEWARE

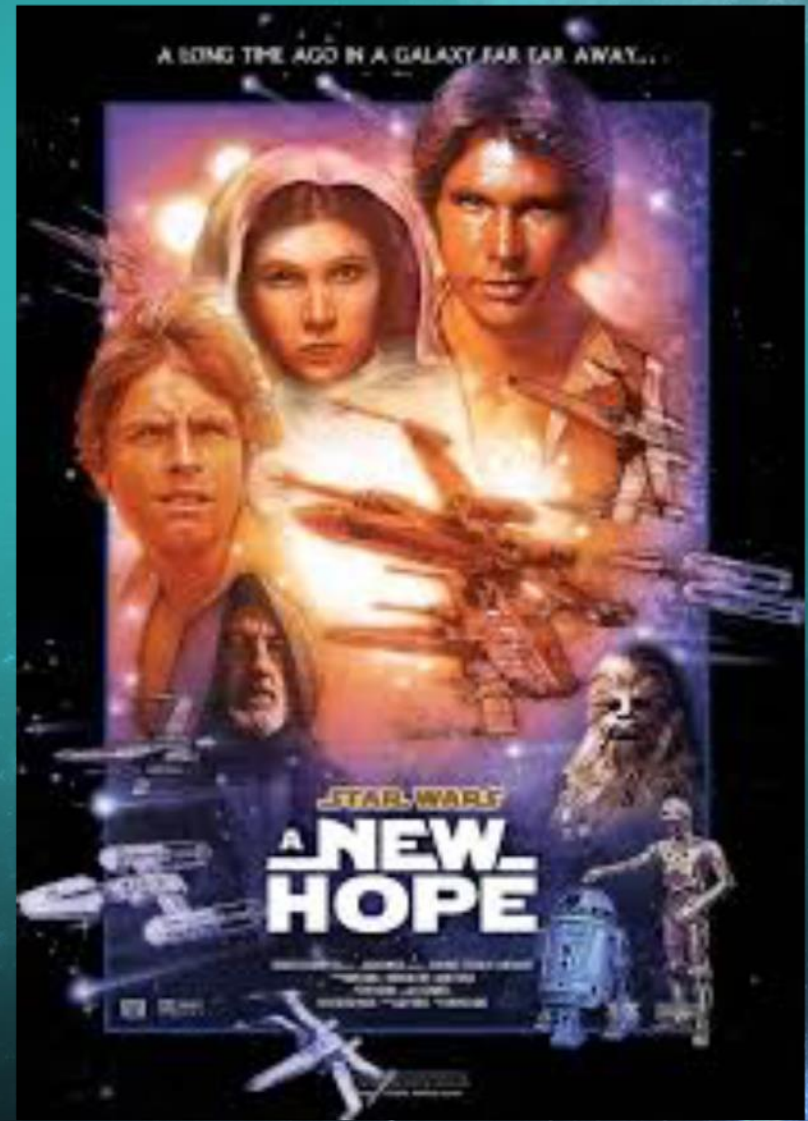
DDoS Hackers Cartel

Twitter: [@ddoshackers](https://twitter.com/ddoshackers)

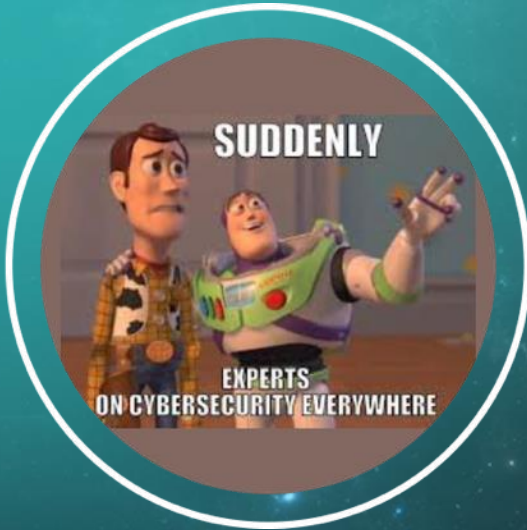
Facebook: [DDoS Hackers Cartel](#)

Cyber-Security Consultants, Certified Ethical Hacker & Black Hat Hacker

THERE IS HOPE...



FOG OF WAR



FOCUS AND A CHANGE IN THINKING

- **80 / 20 / Reality**
- **Bias**
- **Advocatus Diaboli**
- **4ThIR Building blocks**
- **Security as enabler**

IDENTIFY

- Asset management
- Business environment
- Governance
- Risk assessment
- Risk management strategy

PROTECT

- Access control
- Awareness and training
- Data security
- Information protection and procedures
- Maintenance
- Protective technology

DETECT

- Anomalies and events
- Security continuous monitoring
- Detection process

RESPOND

- Response planning
- Communications
- Analysis
- Migration
- Improvements

RECOVER

- Recovery planning
- Improvements
- Communications



THANK YOU

@kovelin

<http://blog.cyberelders.org>