## INSIGHT INTO RUSSIAN BLACK MARKET

phishing malware worm trojan shing malware worm trojan virus spam malware worm trojan virus spam trojan virus spam hacker trojan virus spam hackers spam hackers

## IN AMERICA INSOVIET RUSSIA





! !UOU ERERE JUAN ... JUAN KAERE UOU!

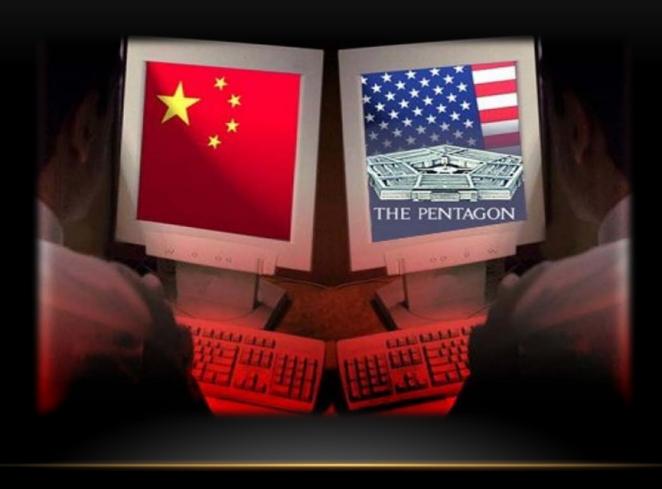
### sh-3.2# whoami

- Alan Kakareka, CISSP, GSNA, GSEC, CEH, MCP, MCDST, Net+, Sec+
- Masters degree in science from Florida International University
- CTO and founder of Demyo, Inc.
- Based in Miami, Florida, USA.

#### AND I ENJOY GREEN LETTERS ON BLACK BACKGROUND

```
CVD (41.5890s) ICMP 192.168.122.113 > 192.168.122.168 Echo reply (type=0/code-
ENT (41.5920s) ICMP 192.168.122.168 > 192.168.122.114 Echo request (type=8/cod
CVD (43.4560s) UDP 4.2.2.5:53 > 192.168.122.168:63742 ttl=53 id=63126 iplen=16
ENT (43.7100s) TCP 192.168.122.168:43278 > 192.168.122.115:443 5 ttl=48 id=272
CVD (44.5850s) TCP 192.168.122.115:443 > 192.168.122.168:43278 RA ttl=128 id=0
ENT (44.5870s) ICMP 192.168.122.168 > 192.168.122.117 Echo request (type=8/cod
ENT (46.7520s) TCP 192.168.122.168:43278 > 192.168.122.116:443 S ttl=51 id=218
ENT (48.9200s) ICMP 192.168.122.168 > 192.168.122.116 Echo request (type=8/cod
ENT (51.0860s) TCP 192.168.122.168:43278 > 192.168.122.118:443 S ttl=51 id=138
CVD (52.1590s) UDP 4.2.2.5:53 > 192.168.122.168:51166 ttl=53 id=63230 iplen=80
CVD (52.4430s) UDP 4.2.2.5:53 > 192.168.122.168:64553 ttl=53 id=63233 iplen=15
CVD (52.4980s) TCP 199.59.148.201:80 > 192.168.122.168:50347 SA ttl=64 id=5472
CVD (52.8440s) TCP 199.59.148.201:80 > 192.168.122.168:50347 PA ttl=64 id=5474
CVD (53.0870s) TCP 199.59.148.201:80 > 192.168.122.168:50347 FA ttl=64 id=5479
CVD (53.1590s) TCP 199.59.148.201:80 > 192.168.122.168:50347 A ttl=64 id=5480
ENT (53.2520s) ICMP 192.168.122.168 > 192.168.122.118 Echo request (type=8/cod
CVD (53.3850s) TCP 199.59.148.201:80 > 192.168.122.168:50347 R ttl=64 id=54810
CVD (53.7460s) TCP 184.72.225.45:80 > 192.168.122.168:49520 A ttl=107 id=13330
CVD (54.1520s) TCP 184.72.225.45:80 > 192.168.122.168:49520
```

## WHAT ARE THE MOST DANGEROUS COUNTRIES?



## WHAT ARE THE MOST DANGEROUS COUNTRIES?



## WHERE ALL THE GOODIES ARE?

- Unknown Unknown:
- Forums, various websites
- Known Known:
- IM, typically ICQ



## LETS TAKE A LOOK AT 2 UNDERGROUND FORUMS

- https://exploit.in/forum/ pretty small
- https://forum.antichat.ru/- one of the bigger ones



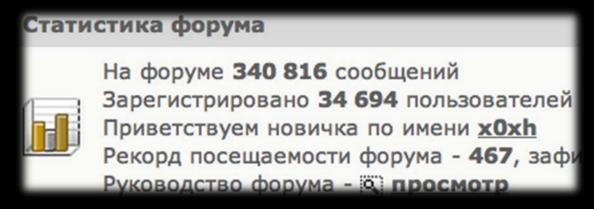
## SMALL VS BIG



Example: rdot.org

## HTTPS://EXPLOIT.IN/FORUM





• 341k messages, 35k users.

#### HOW MANY OF ALL MESSAGES ARE SALE / BUY / TRADE?



#### Покупка/Продажа/Обмен/Работа

Коммерческий раздел. Покупка, продажа и обмен различных информационных товаров и услуг. В разделе можно:

- оставить свое коммерческое предложение;
- продать и купить товары/услуги по теме форума;
- разместить предложение обмена товаров/услуг;
- решить вопросы поиска и выполнения работ(ы).

Модераторы: Mescalin, Mea1, jen140

12 313 37 474

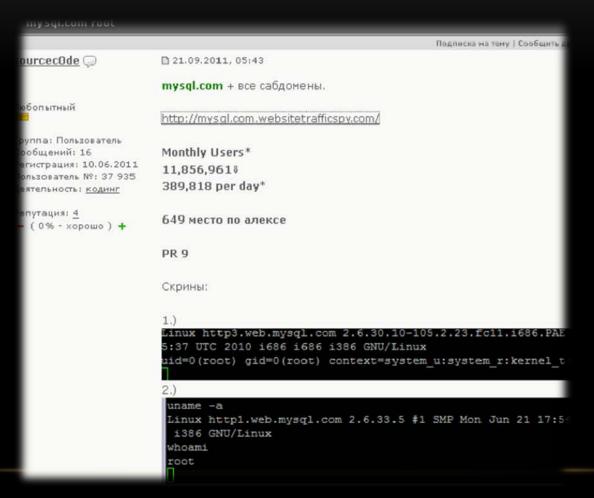
Roughly 10-15% of all messages are related to sell / buy / trade

Another 90% is how to program this, how to hack this, how to solve this kind of issue, etc.

## LETS SEE WHAT CAN WE BUY?



## HOW ABOUT ROOT ACCESS TO MYSQL.COM



## ANYBODY WANTS TO GUESS THE PRICE?



## LATER ON IN THE NEWS....



stories

recent

popular

ask slashdot

book reviews

games

idle

yro

#### Mysql.com Hacked, Made To Serve Malware

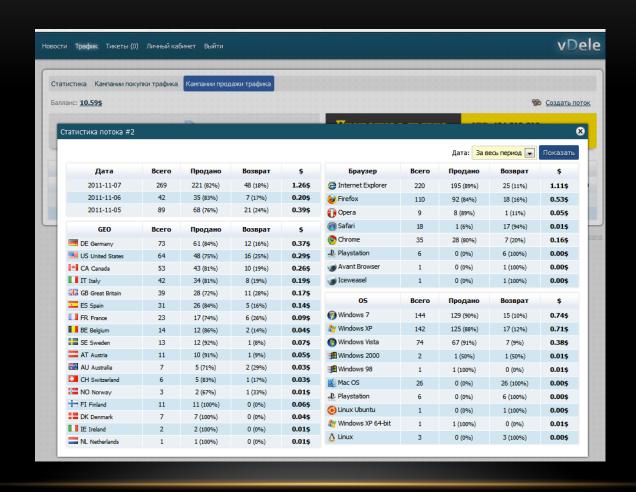
Posted by **Soulskill** on Monday September 26, @05:52PM from the high-profile-problems dept.

#### Orome1 writes

"Mysql.com was compromised today, redirecting visitors to a pactor compromise through its website malware monitoring platform Haunfolded. The mysql.com website was injected with a script that BlackHole exploit pack is hosted."

According to Brian Krebs, the exploit used to compromise the site w

# AUCTION SYSTEM FOR SERVING MALWARE - "VDELE"



# SOFTWARE TO BUILD YOUR OWN BOTNET – "ANDROMEDA BOTNET"



#### ALSO AVAILABLE

- Credit card numbers
- Paypal accounts
- Online banking accounts
- Email spamming services
- Cell phone spamming services (by text messages) and / or calls
- 0-day exploits (rarely)
- Custom malware, spyware, tools
- Plain hacking services
- DDOS
- Full identity (CC + SSN + DOB + address + email with password + online banking credentials + mothers maiden name + dogs name + etc.)

## 0-DAY EXPLOITS (RARELY)

- If a black hat has 0-day it is much more profitable do something with it than selling it
- If you are white hat hacker, sell it to company's who are buying bugs like ZDI



<b>Покупка/Продажа/Обмен/Работа</b>			
		Название темы	Ответов
		Закреплено: Phoenix Exploits Kit - современная связка сплойтов [ 1 2 3 Phoenix Exploits Kit - современная связк	<u>55</u>
$\bowtie$		уЗакреплено::Eleonore Exp: связка сплойтов. □ 1 2 3:Eleonore Exp: связка сплойтов.	<u>55</u>
$\bowtie$	?	уЗакреплено: Black Hole Exploits Kit [обновление от: 20.11.10] ☐ 1 2 3 Система сетевого тестирования компьютера	<u>53</u>
$\bowtie$		¬Закреплено: Абузоустойчивый Shared hosting ,Dedicated Servers 1 1 2 3 4 RealHost	<u>72</u>
$\boxtimes$		☐ 3акреплено: ABUSE'IMMUNITY HOSTING SERVICE ☐ 1 2 3 » 8  Абузоустойчивые хостинг, сервера.	149
$\boxtimes$		ъЗакреплено: <u>BukerClub.ru - Обмани судьбу</u> ;)	<u>14</u>
$\boxtimes$		ъЗакреплено: Elite VPN Service ver.3 - Quad VPN, Double VPN ☐ 1 2	22
$\boxtimes$		→ Закреплено: Профессионалы ВР хостинга предлагают свои услуги [ 1 2 ]  јНоst - лучший абузоустойчивый хостинг.	<u>37</u>
$\boxtimes$		ъЗакреплено: LoyalNet: серверы и хостинг под проблемный контент □ 1 2 3	<u>51</u>
		Закреплено: <a href="http://crypt.im/">http://crypt.im/</a> Автоматический сервис крипта iframe / JS	12
$\bowtie$		уЗакреплено: МЕГА-ВЫХЛОП: Лучшая подмена выдачи! ☐ 1 2 3 » 5	<u>89</u>
		■Закреплено: Скупка акков с логов USA и EU. Огромный список. Работаем Круглосуточно. Платим много.	11
		■Закреплено: <u>PID-Loader, легкий титан</u> Простота в сочетании с мощью	10
		Закреплено: <u>Аренда вебмаилера</u> 100\$/month	12
X			22

## HTTPS://FORUM.ANTICHAT.RU/



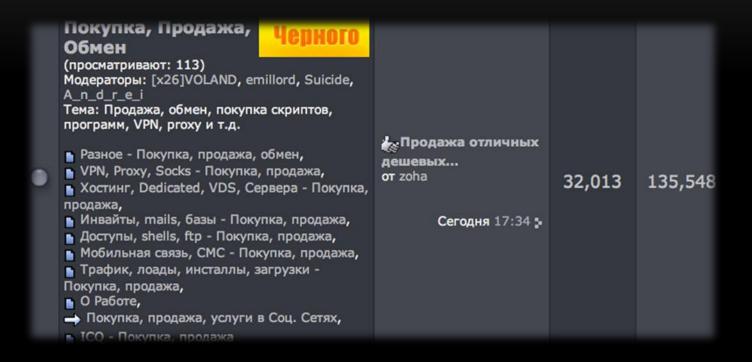
#### Форум АНТИЧАТ статистика



Темы: 193,610, Сообщения: 1,974,646, Пользователей: 103,506 Приветствуем нового пользователя, buran77

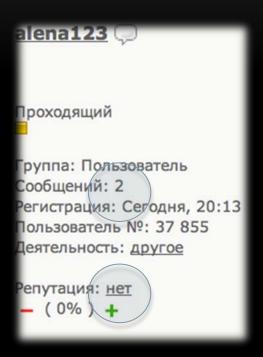
• 2 million messages, 104k users

## HOW MANY MESSAGES ARE RELATED TO BUY / SELL / TRADE



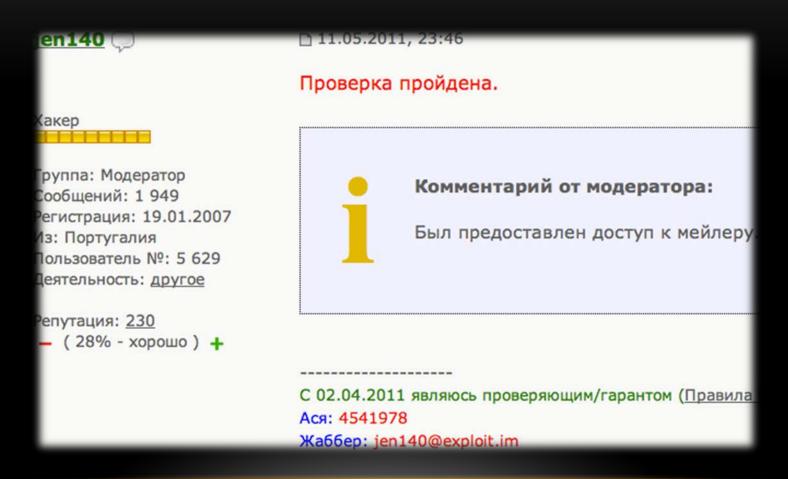
Almost 10% of all messages are related to trading

## HOW DO THEY TRUST EACH OTHER?



Хакер
Труппа: Модератор
Сообщений: 1 925
Регистрация: 19.01.2007
Из: Португалия
Пользователь №: 5 629
Деятельность: другое
Репутация: 226
— (27% - хорошо) +

#### ANOTHER WAY IS BY ENDORSING FROM THE FORUM OWNER



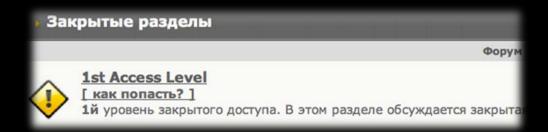
## MEANS OF PAYMENT

- No paypal.... WHY?????
- Webmoney
- Liberty Reserve
- Yandex Money
- BitCoin not so much
- F2F almost never
- Most popular is WEBMONEY

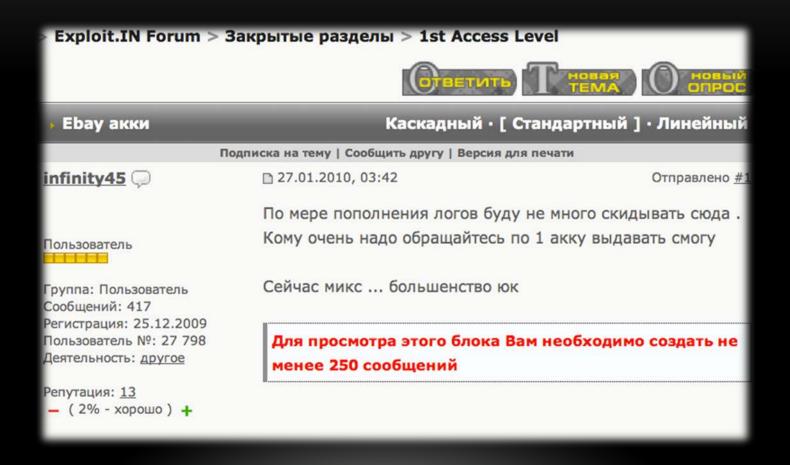


### **CLOSED SECTIONS**

- Typically there are 3 access levels
- 1st level make some useful posts
- 2<sup>nd</sup> level get to know somebody and post some sensitive data
- 3<sup>rd</sup> level be well known in community, post some real goodies



#### LIMITING ACCESS ONLY TO HIGHER PROFILE PEOPLE



### PRICES...

- How much is this, how much is that?
- Depends what language you speak
- If you ask in Russian 100 bucks
- If you ask in English 200 bucks



## **ACTUAL PRICING**

- Private virustotal.com service 40 USD / month, unlimited amount of files
- Why do you need a private virustotal.com service? When virustotal.com is free???
- 1 million SPAM emails in inbox 200 USD
- DDOS 100 to 400 USD a day, depending on traffic amount.
  - DDOS sales/discussions are getting forbidden in many public Russian forums, why???
- CC 0.1 USD to 5 USD depending on amount and/or quality

### **ACTUAL PRICING**

- Paypal 1% to 10% of the balance, also depending on account type and other factors
- Online Banking 1% to 10% percent of the balance, depending on the bank, account type and other factors
- Email:pass combo FREE, unless it is sorted, verified for validity, and is bundled with other accounts
- Full identity (CC + SSN + DOB + address + email with password + online banking credentials + mothers maiden name + dogs name + etc.) – about 100 USD
- Many, many, many other types of services and goods agreed price

## OTHER FACTORS

- Paypal and Online Banking 1% to 10% of the balance depending on account type and other factors.
  - User logs in into his account once every 6 months
  - Password to users email is available as well
  - This particular bank DOES allow online transfers

- User logs in into his account daily
- Password to users email is not available ☺
- This particular bank DOES NOT allow online transfers

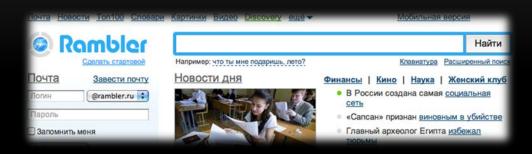
### HOW MANY RUSSIAN RESOURCES ARE THERE?

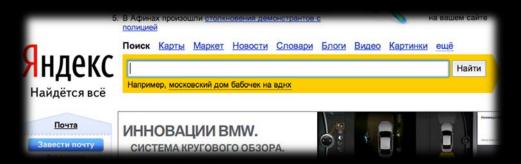
### A LOT OF THEM

- http://forum.xakep.ru/default.aspx 1,5 million messages
- http://hackzona.ru/
- https://forum.k0d.cc/index1.php
- http://www.hack-info.ru/index.php
- https://forum.xeksec.com/
- http://aferizm.ru/
- http://grabberz.com/forum.php
- http://forum.kriminala.net/index.php
- http://www.xaker.name/forvb/index.php
- And so on....

## HOW TO FIND RUSSIAN RESOURCES

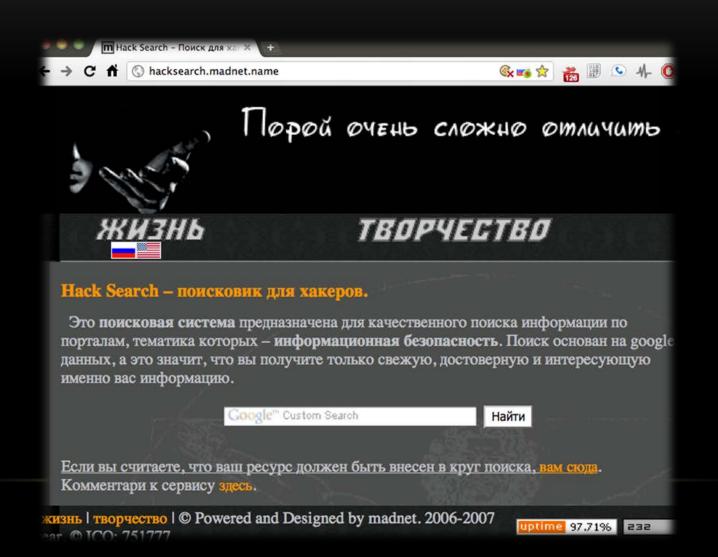
- Russian search engines
  - http://www.yandex.ru/
  - http://www.rambler.ru/
- Classic Google dork
  - 'Site:ru hacking'





Or....

## HOW TO FIND RUSSIAN RESOURCES



## WRAPPING UP

• Yeah we are wrapping up ⊗



# QUESTIONS? AND CONTACT INFO

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- LinkedIn: Almantas Kakareka



- Twitter: @DemyoSec
- www.demyo.com