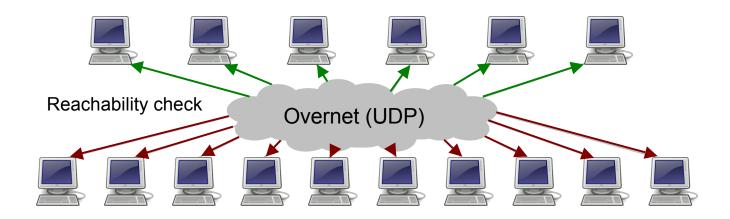
Welcome to Storm!



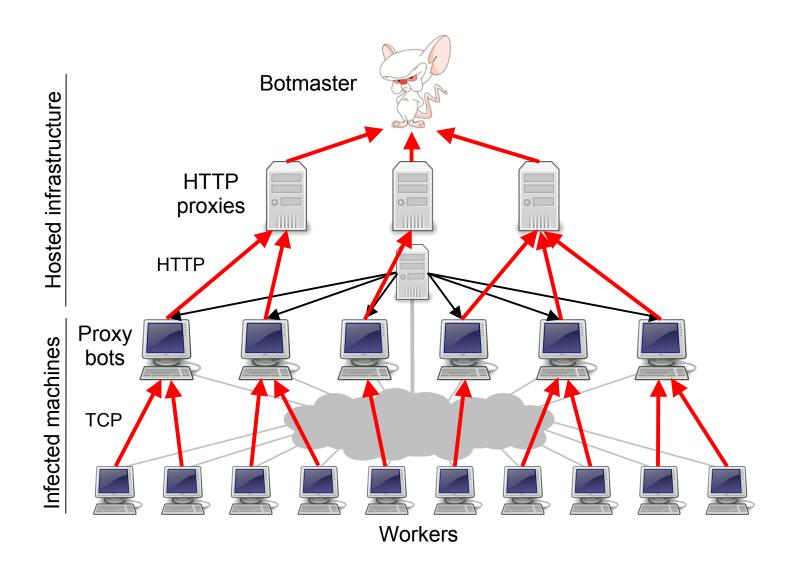
Would you like to be one of our newest bots? Just read your postcard!

(Or even easier: just wait 5 seconds!)

The Storm botnet



The Storm botnet



September 6th, 2007

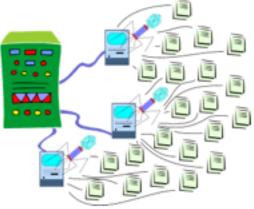
Storm Worm botnet could be world's most powerful supercomputer

Posted by Ryan Naraine @ 8:41 am

Categories: Botnets, Browsers, Data theft, Exploit code, Firefox.....

Tags: Operation, Supercomputer, Malware, Worm, Ryan Naraine





Nearly nine months after it was first discovered, the Storm Worm Trojan continues to surge, building what experts believe could be the world's most powerful supercomputer.

The Trojan, which uses a myriad of social engineering lures to trick Windows users into downloading malware, has successfully seeded a massive botnet — between one million and 10 million CPUs — producing computing power

to rival the world's top 10 supercomputers

The [Storm] botnet reportedly is powerful enough as of September 2007 to force entire countries off the Internet, and is estimated to be capable of executing more instructions per second than some of the world's top supercomputers. However, it is not a completely accurate comparison, according to security analyst James Turner, who said that comparing a botnet to a supercomputer is like comparing an army of snipers to a nuclear weapon

If that made you catch your breath a bit, read on...

At certain points in time, the Storm worm used to spread the botnet has attempted to release hundreds or thousands of versions of itself onto the Internet, in a concentrated attempt to overwhelm the defenses of anti-virus and malware security firms. According to Joshua Corman, an IBM security researcher, "This is the first time that I can remember ever seeing researchers who were actually afraid of investigating an exploit."

Storm generates OIDs using its own PRNG given by the recurrence:

$$I_{i+1} = (a \cdot I_i + b \bmod 2^{32}) \bmod m$$

with a = 1664525, b = 1013904223, m = 32767, and the initial value I_0 is based on the system clock. The generator appears to be based on a well-known linear congruential PRNG described in the *Numerical Recipes*

Location	Hallmarks		
Germany	Random OIDs with lower 10 bytes constant.		
	Floods the Storm network aggressively with thou-		
	sands of fake node IPs.		
Iran	Random OIDs biased to upper half of space (first		
	bit always set).		
Sweden	Random OIDs biased to upper half of space (first		
	bit always set). Does not appear in routing tables		
	of any other peers.		
France	One fixed OID, relatively passive crawler, appears		
	to just be sampling Storm.		
East Coast, US	257 OIDs evenly distributed in ID space behind		
	one IP, port number used as upper two bytes of		
	the OID.		
East Coast, US	Uniform random OIDs, both a Storm implemen-		
	tation and crawler behind the same IP, does not		
	report other peers.		
West Coast, US	Random OIDs biased to upper half of space 100:1.		
•	Does not report IPs in response to queries.		
	1 1		

Table 2: Other parties participating in the "encrypted" Storm network on April 4, 2008.

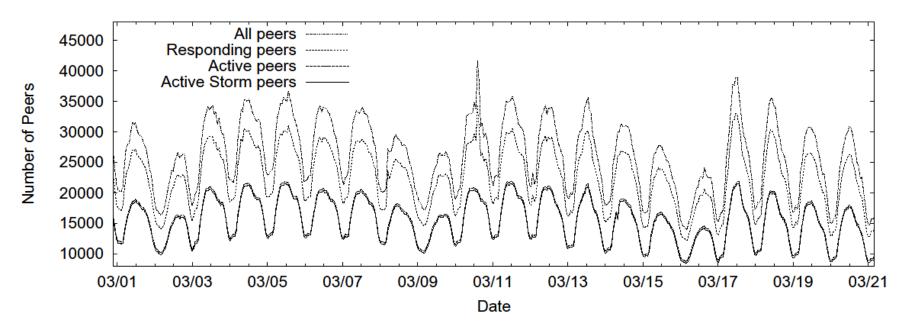
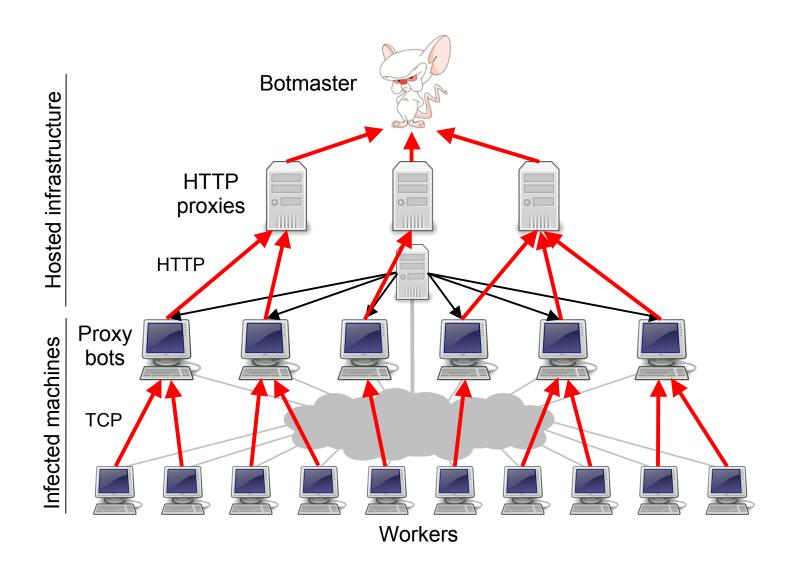
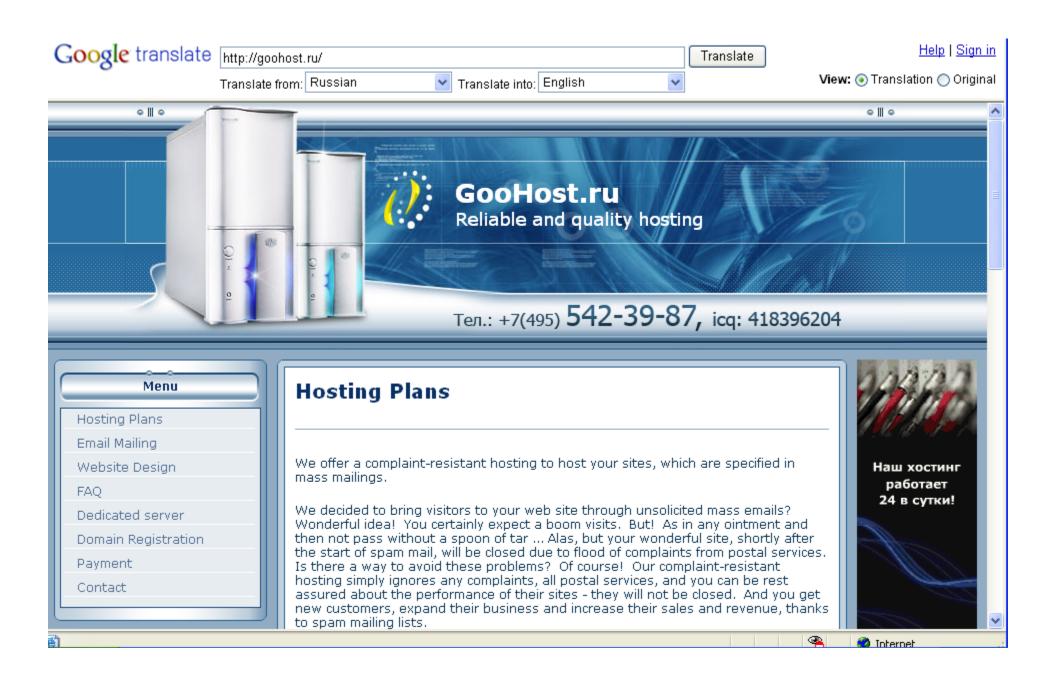


Figure 2: Estimates of the size of the Storm botnet using different notions of liveness over the first three weeks of March 2008 Note that the y-axis does not begin at zero to better separate the curves.

The Storm botnet





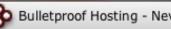
Obuzoustoychivy hosting is more expensive than usual, but you will have the full guarantee that your site no one ever closes, it will always be available to your customers!

MINI PLAN		
Volume disc	400 MB	
Domains	1	
Traffic *	Unlimited	
FTP-access	there is	
MySQL database	there is	
Control panel	there is	
COST	4 000 rub. / 1 month.	

STARTER PLAN				
Volume disc	500 mb			
Domains	3			
Traffic *	Unlimited			
FTP-access	there is			
MySQL database	there is			
Control panel	there is			
COST	5 000 rub. / 1 month.			
BUSINESS PLAN				
Volume disc	1000 mb			
Domains	7			
Traffic *	Unlimited			
FTP-access	there is			
MySQL database	there is			
Control panel	there is			
COST	7 000 rub. / 1 month.			
PREMIUM PLAN				

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- 50MB Web Space
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- Static Pages Only
- FTP Account
- 99.8% Uptime
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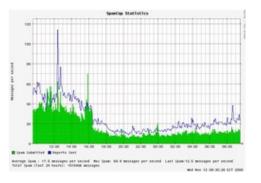
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Spam Volumes Drop by Two-Thirds After Firm Goes Offline

The volume of junk e-mail sent worldwide plummeted on Tuesday after a Web hosting firm identified by the computer security community as a major host of organizations engaged in spam activity was taken offline. (**Note**: A link to the full story on McColo's demise is available here.)



Experts say the precipitous drop-off in spam comes from Internet providers unplugging McColo Corp., a hosting provider in Northern California that was the home base for machines responsible for coordinating the sending of roughly 75 percent of all spam each day.

In an alert sent out Wednesday morning, e-mail security firm **IronPort** said:

In the afternoon of Tuesday 11/11, IronPort saw a drop of almost 2/3 of overall spam volume, correlating with a drop in IronPort's SenderBase queries. While we investigated what we thought might be a technical problem, a major spam network, McColo Corp., was shutdown, as reported by The Washington Post on Tuesday evening.

Spamcop.net's graphic shows a similar decline, from about 40 spam e-



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Retail Fraud Rates Plummeted the Night McColo Went Offline

One month after the <u>shutdown of hosting provider McColo Corp.</u>, spam volumes are nearly back to the levels seen prior to the company's take down by its upstream Internet providers. But according to one noted fraud expert, spam wasn't the only thing that may have been routed through the Silicon Valley based host: New evidence found that retail fraud dropped significantly on the same day.

It is unclear whether the decrease in retail fraud is related to the McColo situation, but in speaking with **Ori Eisen**, founder of <u>41st</u> <u>Parameter</u>, he said close to a quarter of a million dollars worth of fraudulent charges that his customers battle every day came to a halt.

Eisen, whose company provides anti-fraud consulting to a number of big retailers and banks, told me at least two of the largest retailers his company serves reported massive declines in fraud rates directly following McColo's termination.

"It stopped completely that night," Eisen said, referring to a drop in fraudulent activity linked to purchases of high-value merchandise with stolen credit and debit cards on Nov. 11, the day McColo was shut down. "Yet, it will come back after [the scammers] erect their new infrastructure."

MegaD C&C's crafted response to "GET /"

```
HTTP/1.0 200 OK Server: Apache/1.3.37
Content-Type: text/html; charset=iso-8859-1
<html>
 <head>
   <title> test page </title>
 </head>
   <body>
    <a href='http://www.microsoft.com/'>microsoft.com</a>
   </body>
</html>
```

Results 1 - 6 of 6 for i

test page

microsoft.com.

doretorza.com/ - Cached

test page

microsoft.com.

www.doretorza.com/ - Cached

test page

microsoft.com.

selementusaks.org/ - Cached

test page

microsoft.com.

kildamindak.net/ - Cached

test page

microsoft.com.

www.kildamindak.net/ - Cached

test page

microsoft.com.

216.32.90.186/





Prices

Goldinstall Rates for 1K Installs for each Country.

Country	Price
ОТН	13\$
US	150\$
GB	110\$
CA	110\$
DE	30\$
BE	20\$
IT	65\$
CH	20\$
CZ	20\$
DK	20\$
ES	30\$
AU	55\$
FR	30\$
NL	20\$
NO	20\$
PT	30\$
I B	6\$

