

Your Money or your Life Site

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ATTACK TYPES AND HISTORY

The evolution of attackers



01001 11010 10010

Script kiddies



The rise of hacktivism



Cyber war

The evolution of attackers

December 2014

Lizard Squad strikes XBOX and Play Station Network.

DDC at

BBC sites targeted with the largest DDOS attack in history by the group New World Hacking using the BangStresser DDOS tool.



2014

2015 | 2016

Massive github DDoS

attack tied to Chinese

government.



Script kiddies



The rise of hacktivism



Cyber war

Attacks

- Volumetric L3/4
- Reflection & Amplification
- 'Low and Slow' L7
- Blended
- Volumetric L7





Home / Security

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- Massive application-layerattacks could defeat hybridDDoS protection
- Unusual application-layer DDoS attacks that consume a lot of handwidth could spell trouble for on-premise DDoS
- of bandwidth could spell trouble for on-premise DDoS defenses

Credit: Gerd Altmann / Pixabay

Remove Malware -Free

free-malware-removal.sparktrust.com

Quick Malware Removal in 2 minutes. Free Download (Highly Recommended)





LANDSCAPE & TRENDS

Protecting Against DDoS is Challenging

Webification of apps



71% of internet experts predict most people will do work via web or mobile by 2020

Device proliferation

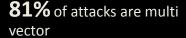


95% of workers use at least one personal device for work

190 million enterprises will use mobile apps by 2018

Evolving security threats

58% of all e-theft tied to activist groups



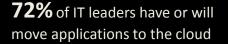






Shifting perimeter

80% of new apps will target the cloud.





The Threat is Real

DDoS as a Service



For as little as \$150 you can buy a week long DDoS attack

Constant Attacks



More than 2000 daily DDoS attacks are observed

Website Down!

1/3 of all downtime incidents are attributed to DDoS attacks





Your Money or your Website

Hello!

All your servers are going under attack unless you pay 2 Bitcoin.
Please note that it will not be easy to mitigate our attack, because our current UDP flood power is 200-300 Gbps....



Attack Threats: Pay up or Else!

April - May of 2015: emails sent to legitimate businesses with the threat of massive DDoS attacks

Hong Kong Banks Hit By Bitcoin Ransom Demands

DD4BC cyber extortion gang targets key European sectors

- DD4BC claims ~400 Gbps
- Extortion demands starting at 25 Bitcoins
- Initially targeted Bitcoin, Payment providers, banks and now moving to other targets
- UDP Amplification Attacks (NTP, SSDP, DNS); TCP SYN Floods; and Layer 7 attacks

Sample from actual email

Please note that it will not be easy to mitigate our attack, because our current UDP flood power is 400-500 Gbps, so don't even bother. At least, don't expect cheap services like CloudFlare or Incapsula to help...but you can try.:)

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Contact: hackerstore@bitmessage.ch

Anonymous Phone Verification

You can use the number I gave you for 30 days since the first SMS arrives. All numbers are unique, I NEVER use the same for 2 or more customers.

DDOS DDOS one (1) IP address for 12, 24, 48 or as many hours as you wish, please send me an email if you want more information about it. YOU CAN GET FROM 5 Gb/sec to 20Gb/sec ATTACK. If you want more just ask:)

BTC Laundering

Just mail me with, how much time you want, how many Gb/sec you wish and I'll reply you with an offer. I'm open for negotiations,

DDOS

DDOS one (1) IP address for 12, 24, 48 or as many hours as you wish, please send me an email if you want more information about it. YOU CAN GET FROM 5 Gb/sec to 20Gb/sec ATTACK. If you want more just ask;) Just mail me with, how much time you want, how many Gb/sec you wish and I'll reply you with an offer. I'm open for negotiations.

> - 10 positive feedbacks as a seller: 0.4 BTC (get as many as you wish) 10 positive feedbacks as a buver: 0.2 BTC (get as many as you wish) Ask for any other type of accounts

Paypal: 0.5 BTC (phone number confirmed by me) + guide Ebay: 0.1 BTC (phone number confirmed by me)

Mail me for more details.

Encrypted HDD 500Gb 2.5 inch USB 3.0 / 2.0 No Installation! No Software or Driver for security is required- it's a stand-alone hardware encryption device

OS Free! Independent and real-time hardware Encryption compatible with any device supporting a USB host High-speed Transfer! No delay of data transfer even on reading or writing under security mode A perfect security protection with 1-8 digit PIN USB powered Dimension and gross weight of each unit in a retail box: 22.5 x 10 x 5 cm & 0.212kg Price: 2.5 BTC Free Shipping

Once they were only a few, now attackers are coming out in record numbers



Pre-Packaged Automated hacking tools are an Increasing Problem





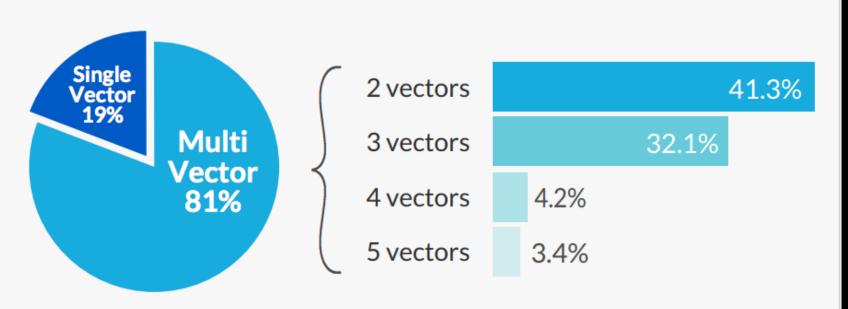
RussKill

Online: 2435
URL:
Flows HTTP-flood: 0 Flows SYN-flood: 455
Start Save

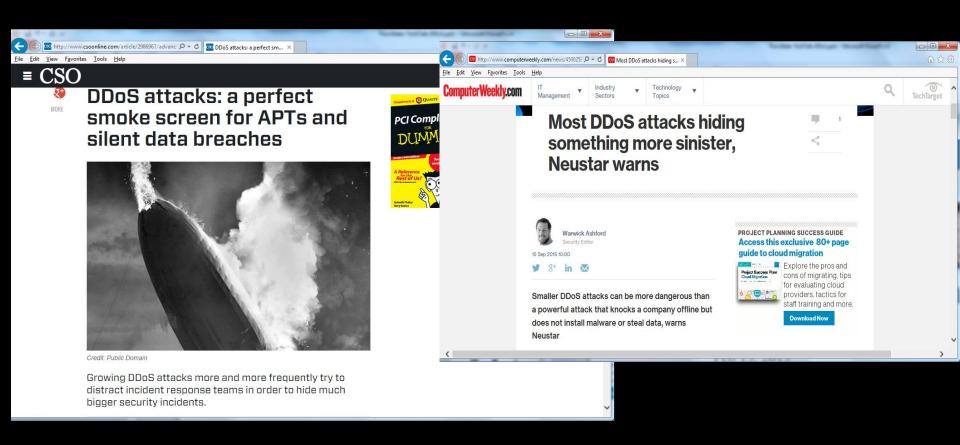


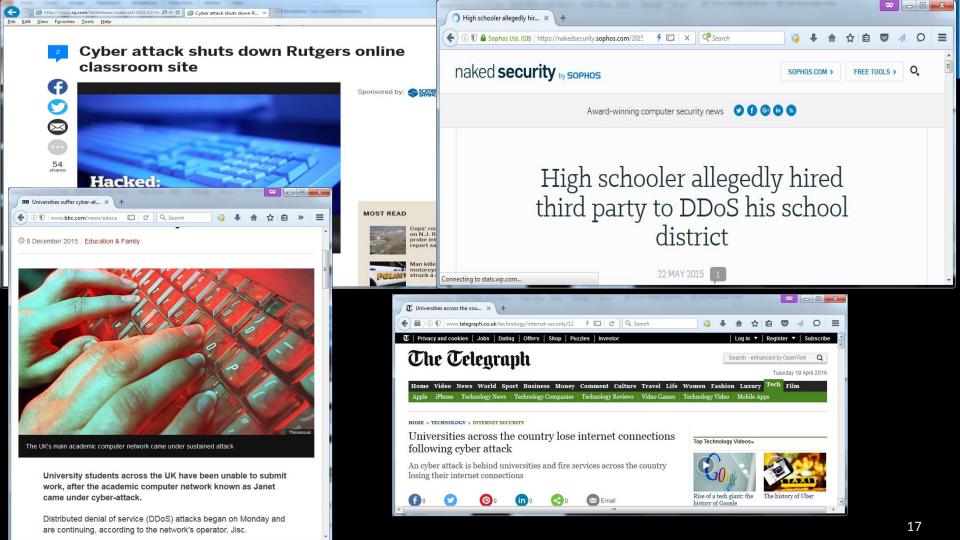


Network DDoS Attacks: Distribuition by Number of Vectors



DDoS attacks hide the Real Threat





So what about right now?

I only see DDoS in the news a few times a year! How much of it could really be happening right now?

Lets take a look...

http://www.digitalattackmap.com/



Please visit <u>f5.com/security</u> for more information



SOLUTIONS FOR AN APPLICATION WORLD

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