

# CYBER SECURITY IN THE GAMING INDUSTRY

BY: MALCOLM AKINJE

# QUICK HISTORY













HOW BIG IS OUR MARKET?

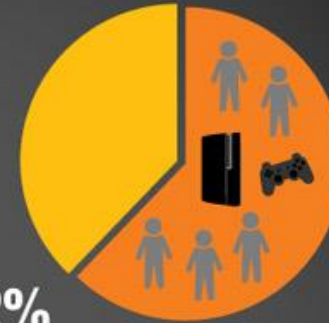


# WHY VIDEO GAMES?



Consumers spent  
**\$24.75 billion**  
on video games, hardware  
and accessories in 2011.

Source: The NPD Group/Games  
Market Dynamics: U.S.



**62%**  
of gamers play games with others,  
either in person or online.



The average game player  
is 30 years old and has been  
playing games for 12 years.

**30 million**  
Microsoft Xbox  
Live users



**77 million**  
Sony Playstation  
Network users



In January 2011, there were a combined  
107 million Microsoft Xbox Live users  
and Sony Playstation Network users.





# 2017-2021 GLOBAL GAMES MARKET

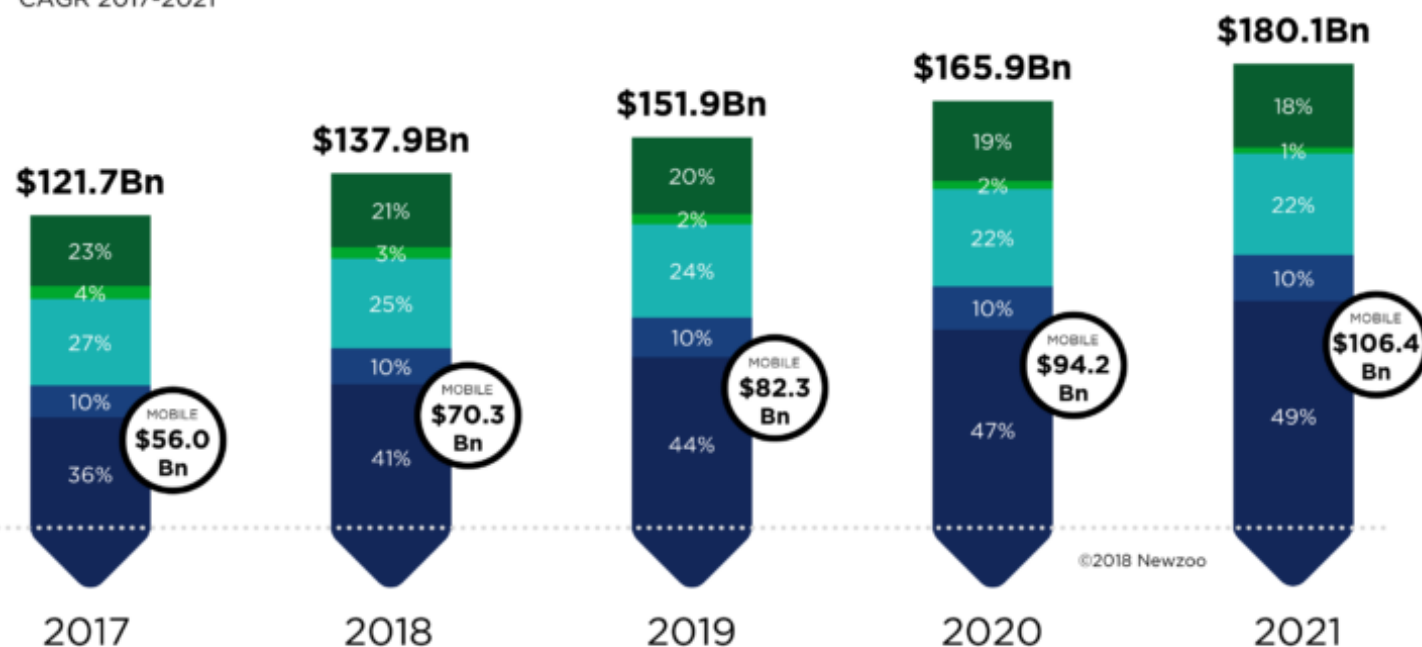
FORECAST PER SEGMENT TOWARD 2021

TOTAL MARKET

**+10.3%**

CAGR 2017-2021

● Boxed/Downloaded PC ● Browser PC ● Console ● Tablet ● Smartphone



©2018 Newzoo

Source: ©Newzoo | April 2018 Quarterly Update | Global Games Market Report  
newzoo.com/globalgamesreport

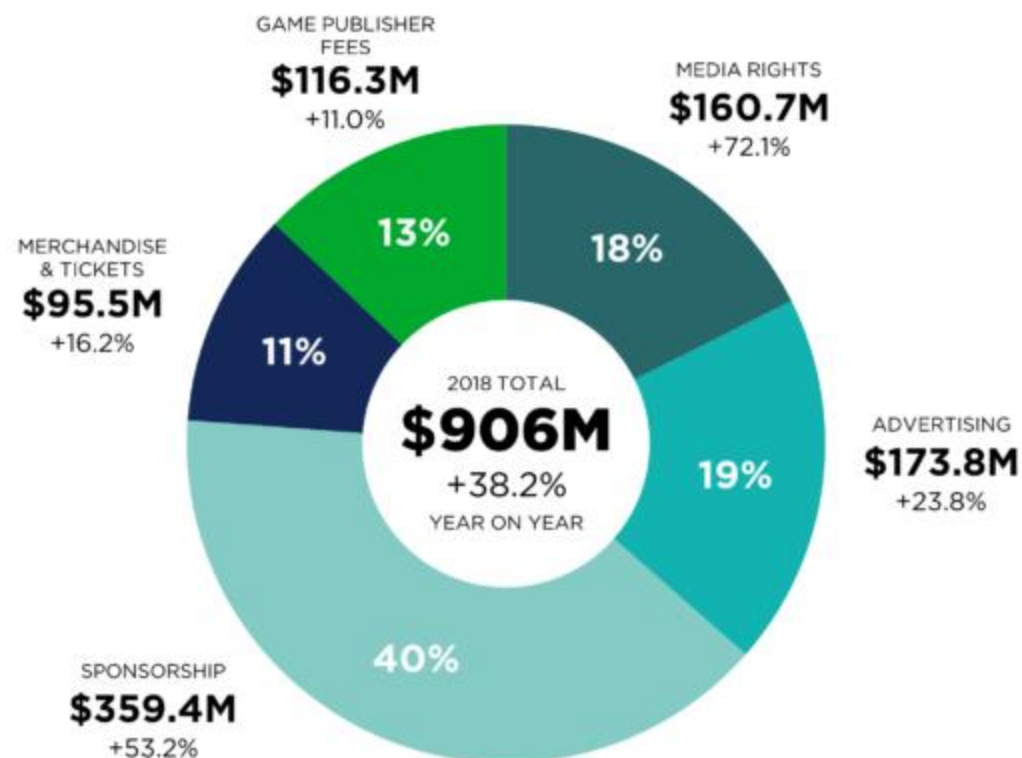
**newzoo**





## 2018 ESPORTS REVENUE STREAMS | GLOBAL

INCLUDING YEAR-ON-YEAR GROWTH



Newzoo's esports revenue figures always exclude revenues from betting, fantasy leagues, and similar cash-payout concepts, as well as revenues generated within games.

©Newzoo | 2018 Global Esports Market Report

WHERE DOES SECURITY START?



# CIA TRIAD

- CONFIDENTIALITY
- INTEGRITY
- AVAILABILITY





## Ooops, your files have been encrypted!

English

### What Happened to My Computer?

Your important files are encrypted. Many of your documents, photos, videos, databases and other files are no longer accessible because they have been encrypted. Maybe you are busy looking for a way to recover your files, but do not waste your time. Nobody can recover your files without our decryption service.

### Can I Recover My Files?

Sure. We guarantee that you can recover all your files safely and easily. But you have not so enough time. You can decrypt some of your files for free. Try now by clicking <Decrypt>. But if you want to decrypt all your files, you need to pay. You only have 3 days to submit the payment. After that the price will be doubled. Also, if you don't pay in 7 days, you won't be able to recover your files forever. We will have free events for users who are so poor that they couldn't pay in 6 months.

### How Do I Pay?

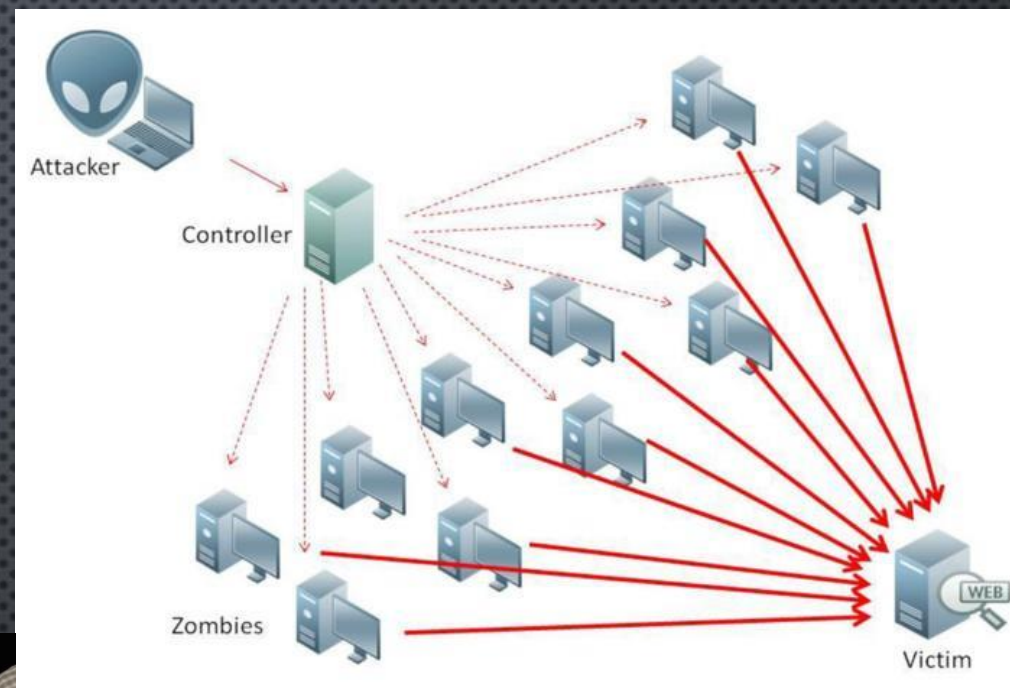
Payment is accepted in Bitcoin only. For more information, click <About bitcoin>. Please check the current price of Bitcoin and buy some bitcoins. For more information, click <How to buy bitcoins>. And send the correct amount to the address specified in this window. After your payment, click <Check Payment>. Best time to check: 9:00am - 11:00am

Payment will be raised on  
5/16/2017 00:47:55

Time Left  
02:23:57:37

Your files will be lost on  
5/20/2017 00:47:55

Time Left  
06:23:57:37







Sign up in seconds

What's your username?

Choose a password

**Sign me up!**

ARE DEVELOPERS THE ONLY ONES AT FAULT?





52% of gamers said they don't use security software on their computer for the following reasons:



12% said it slowed down their computer



8% said it interrupted their gaming



20% said they didn't need it

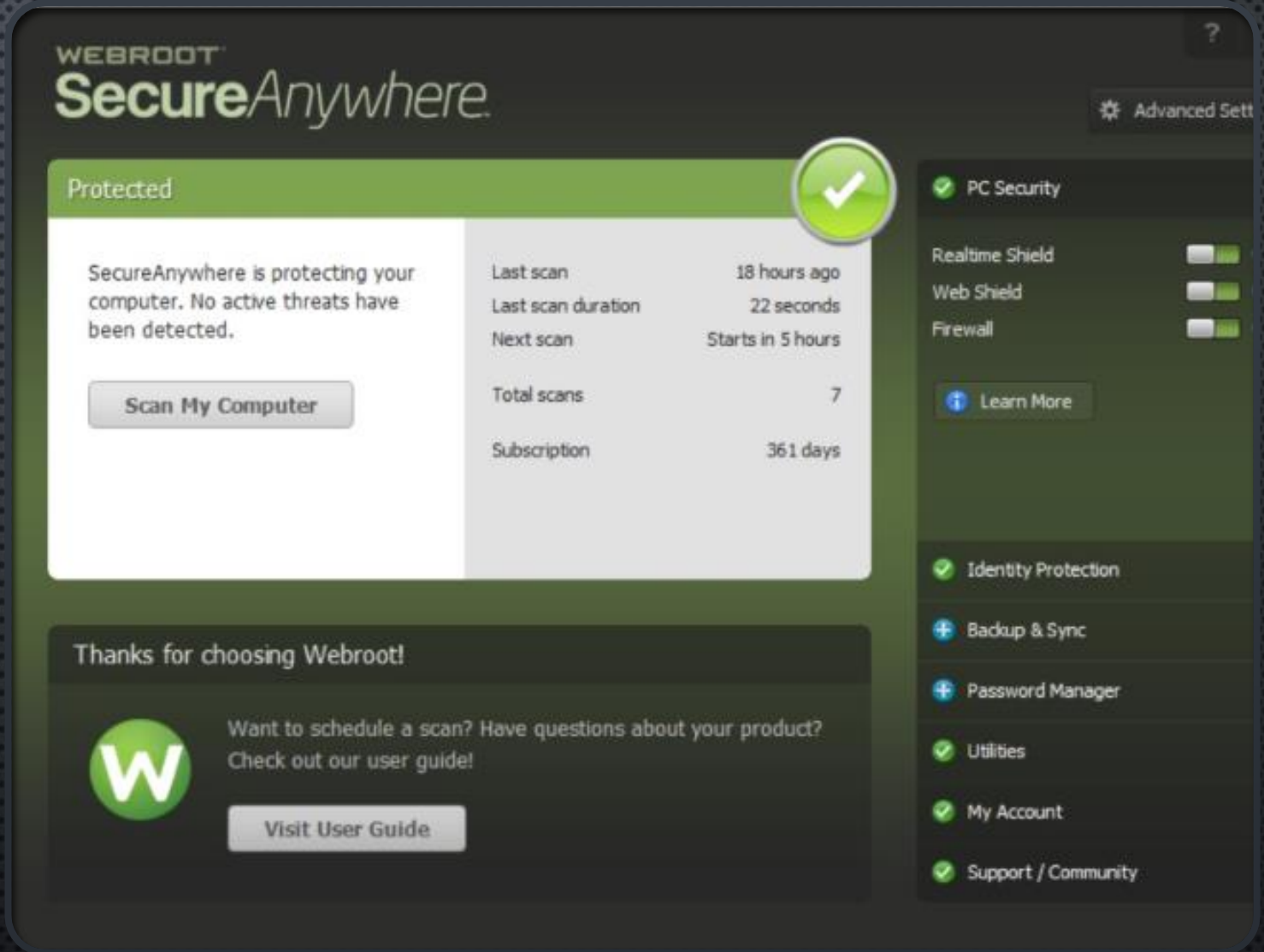


13% said they didn't like the pop ups

This Internet survey was carried out in August 2016 by Google Consumer Surveys for ESET on a demographically representative sample of over 500 gamers in the United Kingdom.

# WEBROOT

- RATED NUMBER 1 ANTI VIRUS FOR GAMING
- TAKES UP 1 MB OF SPACE
- SCORED A PERFECT 10/10 IN MALWARE TESTING
- RATED ONE OF THE BEST PROGRAMS IN DEFENSE AGAINST PHISHING AND RANSOMWARE





# SOCIAL ENGINEERING



ZDARZDAROVA  
Offline

Ziggy Stardust: 1.2.4

Ziggy Stardust: shouldn't matter though

ZDARZDAROVA: ohh

ZDARZDAROVA: mate

ZDARZDAROVA: you need to update

ZDARZDAROVA: cuz

ZDARZDAROVA: i don't hear you

ZDARZDAROVA: :((

ZDARZDAROVA: sec

ZDARZDAROVA: <http://mumblesoftware.net>

ZDARZDAROVA: we are using that

ZDARZDAROVA: mate

ZDARZDAROVA: join pls

ZDARZDAROVA: press then room 5 estonia

Ziggy Stardust: what is the mumble info?

ZDARZDAROVA: in new

ZDARZDAROVA: version

ZDARZDAROVA: don't have that here

Ziggy Stardust: under estonia there are two options,

Kathlane.info and mobizone.ee

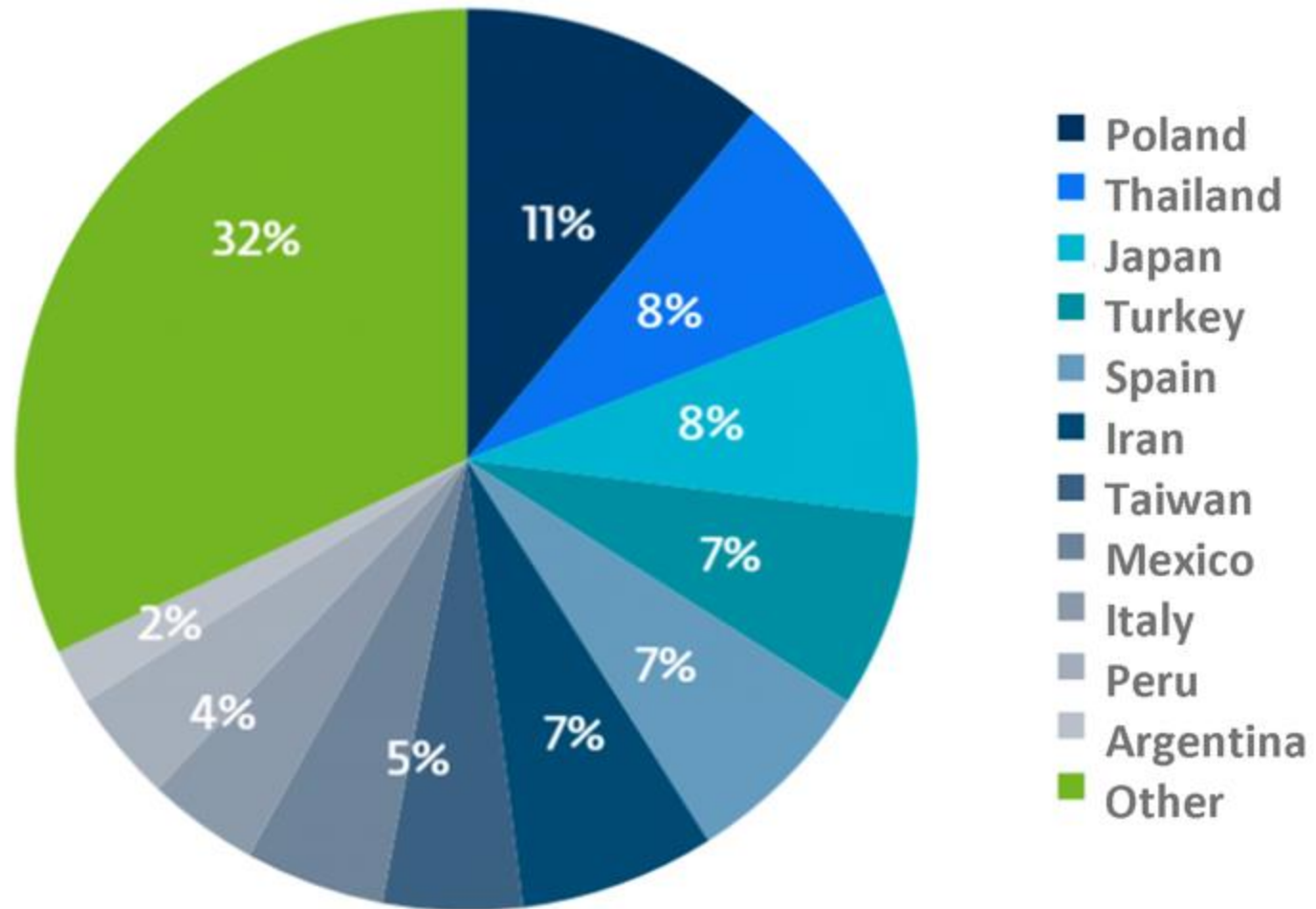
ZDARZDAROVA: you can't find us

ZDARZDAROVA: if you use other version

ZDARZDAROVA: you need which i gave



## Win32/PSW.OnLineGames





















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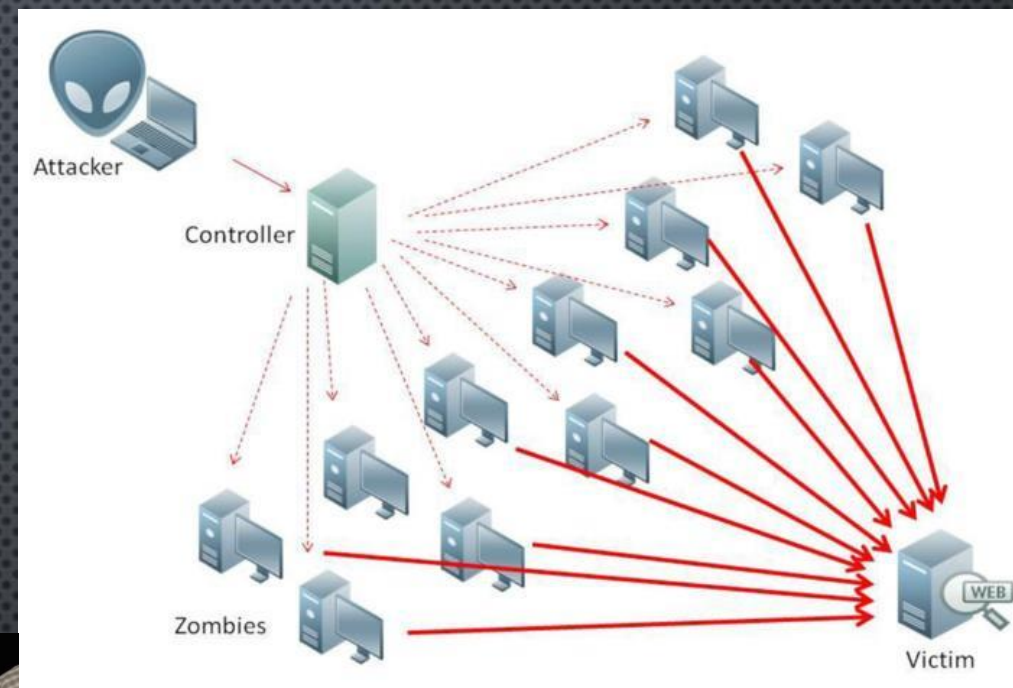
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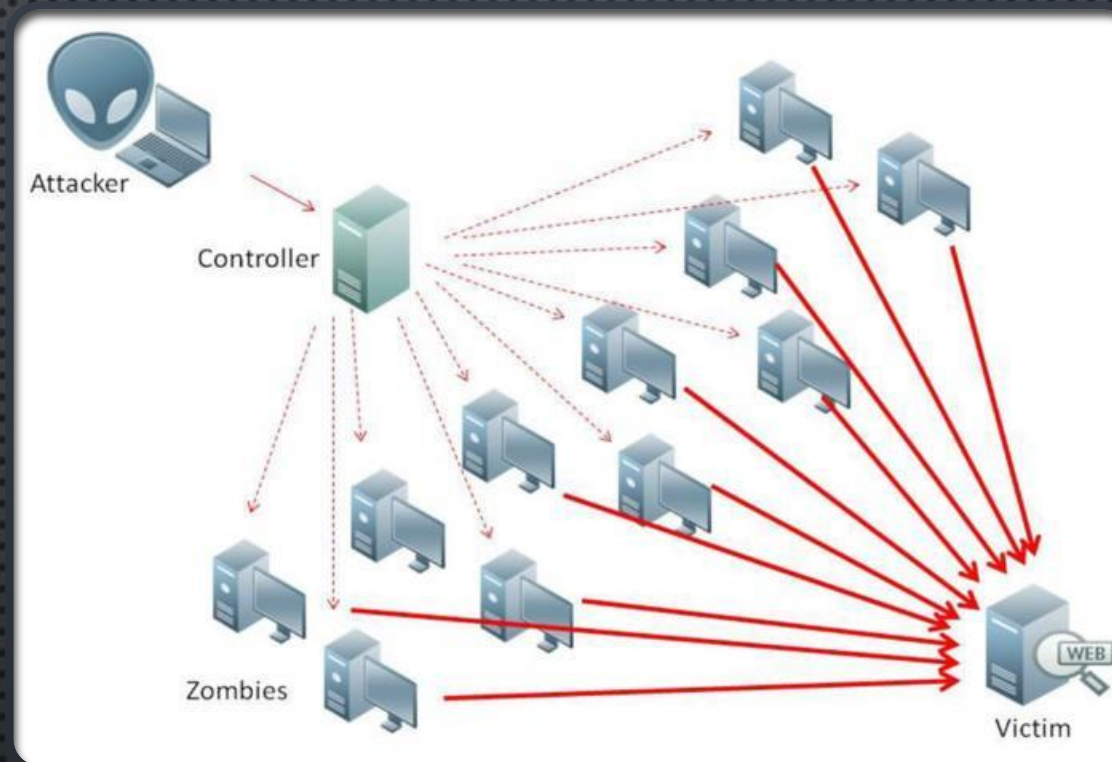
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# WHAT IS A DDOS?













