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# Cybersecurity 2020 Vs Covid-19

1st CSN Cyprus Shipping ICT Online  
Conference

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24 September 2020



# COVID-19's Impact on Cybersecurity

- The COVID-19 pandemic has forced organisations and individuals to embrace new practices such as social distancing and remote working. Governments are reconsidering ways to ensure that their countries are stable by developing and enforcing new economic plans. Nevertheless, while the world is focused on the health and economic threats posed by COVID-19, cyber criminals around the world undoubtedly are capitalizing on this crisis.
- Cyber Intelligence Centres, observe spikes in phishing attacks, Malspams and ransomware attacks as attackers are using COVID-19 as bait to impersonate brands thereby misleading employees and customers. This will likely result in more infected personal computers and phones. Not only are businesses being targeted, end-users who download COVID-19 related applications are also being tricked into downloading ransomware disguised as legitimate applications.



Image courtesy of zvelo, Inc

# EU Data Protection Regulation



Unify Data Protection within the EU with a single law\*

Regulation/Law not a Directive  
Final Text now available in 24 languages

Immediate effect after 2 year transition period  
Starting May 2016

Fines of up to **4%** of global revenue  
Data breach notification with **72 hours**

Extends the scope to all foreign companies processing data of EU residents

\* [Joint Statement on the final adoption of the new EU rules for personal data protection](#)  
Brussels, 14 April 2016

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<b>HACKERS</b>	<b>CYBERCRIMINALS</b>
<b>DISRUPTIVE</b>	<b>OBSERVATION</b>
<b>IT TOOLS &amp; SCRIPTS</b>	<b>HUMAN REVERSE ENGINEERING – IT TOOLS</b>

<b>MOTIVE</b>	<b>FAME</b>	<b>????</b>
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<b>RISK APPETITE</b>	
<b>EDUCATION SECURITY AWARENESS</b>	<b>SECURITY STRATEGY</b>

# Coronavirus-Related Cyberthreats



Cyberthreats have exploded in 2020, exploiting the needs and fears of global populations.

“This is social engineering at its worst — and unfortunately, it’s more likely to work in these uncertain times. People haven’t become more gullible in the past six months; they’ve become used to big changes in small messages. When the next news headlines could be a matter of safety or sickness, it’s much easier to believe information that appears right in your inbox.” explains Cindy Murphy.

The background of the lower half of the slide features a light blue background with a network of white lines and circles on the left side. On the right side, there are three orange virus-like icons of varying sizes, each with several protruding spikes.

Scams increased by **400%** over the month of March, making **COVID-19 the largest-ever security threat.**

Source: ReedSmith

# TIME IT TAKES FOR A HACKER TO CRACK YOUR PASSWORD

Number of Characters	Numbers Only	Lowercase Letters	Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters, Symbols
4	Instantly	Instantly	Instantly	Instantly	Instantly
5	Instantly	Instantly	Instantly	Instantly	Instantly
6	Instantly	Instantly	Instantly	1 sec	5 secs
7	Instantly	Instantly	25 secs	1 min	6 mins
8	Instantly	5 secs	22 mins	1 hour	8 hours
9	Instantly	2 mins	19 hours	3 days	3 weeks
10	Instantly	58 mins	1 month	7 months	5 years
11	2 secs	1 day	5 years	41 years	400 years
12	25 secs	3 weeks	300 years	2k years	34k years
13	4 mins	1 year	16k years	100k years	2m years
14	41 mins	51 years	800k years	9m years	200m years
15	6 hours	1k years	43m years	600m years	15 bn years
16	2 days	34k years	2bn years	37bn years	1tn years
17	4 weeks	800k years	100bn years	2tn years	93tn years
18	9 months	23m years	6tn years	100 tn years	7qd years



Cybersecurity that's approachable.

# Coronavirus-Related Cyberthreats



1. 33,000 unemployment applicants were exposed to a data security breach from the Pandemic Unemployment Assistance program in May. (NBC)
2. Scams increased by 400% over the month of March, making COVID-19 the largest-ever security threat. (ReedSmith)
3. In April, Google blocked 18 million daily malware and phishing emails related to Coronavirus. (Google)
4. Half a million Zoom user accounts were compromised and sold on a dark web forum. (CPO Magazine)
5. There are 1,767 high-risk Coronavirus themed domain names created each day. (Palo Alto Networks)
6. 471 fake online shops selling fraudulent COVID-19 items were taken down in the UK. (ZDNet)
7. 450 active WHO email addresses and thousands of COVID-19 response team's email addresses were leaked in April. (WHO)
8. Visits to popular hacker websites and forums increased by 66% between March and May. (cybernews)
9. First Cyprus SiMM Hijacking cases .



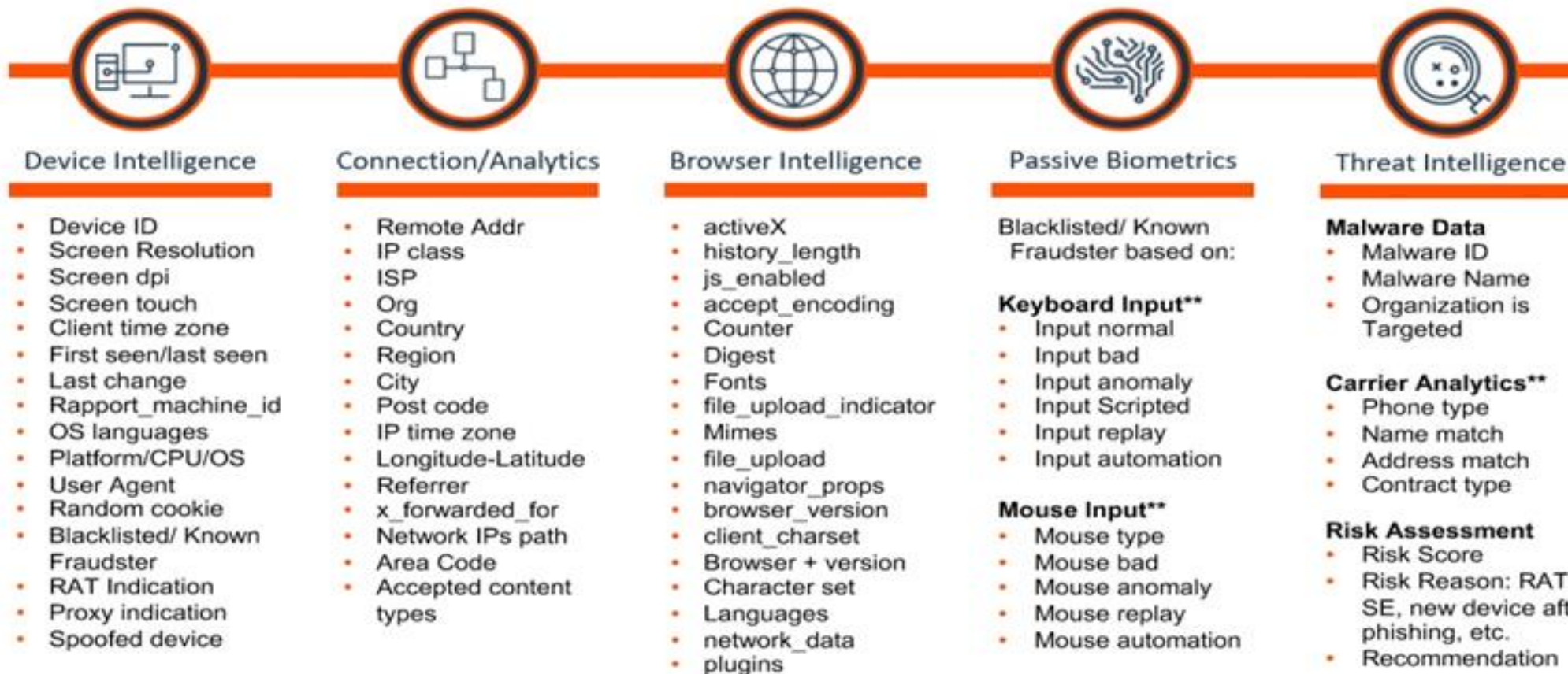
**52%** of legal and compliance leaders are concerned about **third-party cyber risks due to remote work** since COVID-19.

Source: Gartner

# Cyber Crime incidents March - July 2020



# 2020 A.I Security Data leak Prevention For Marlow WEB services data Exports Including Payments fields.



\*\* Soon to be in the API

# THANK YOU!

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