Exploring the Dark Web
Disclaimer
More than meets the eye
YOUR ENTIRE ONLINE IDENTITY COULD BE WORTH LESS THAN €900 ON DARK WEB, NEW REPORT REVEALS

IRISH TECH NEWS × FEBRUARY 23, 2019
What the ‘fullz’ story?

<table>
<thead>
<tr>
<th>Category</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Online Shopping</td>
<td>$164.65</td>
</tr>
<tr>
<td>Travel</td>
<td>$45.53</td>
</tr>
<tr>
<td>Entertainment</td>
<td>$28.59</td>
</tr>
<tr>
<td>Personal Finance</td>
<td>$710.65</td>
</tr>
<tr>
<td>Social Media</td>
<td>$10.21</td>
</tr>
<tr>
<td>Proof of Identity</td>
<td>$92.20</td>
</tr>
<tr>
<td>Communication</td>
<td>$72.17</td>
</tr>
<tr>
<td>Delivery</td>
<td>$15.59</td>
</tr>
<tr>
<td>Food Delivery</td>
<td>$12.80</td>
</tr>
<tr>
<td>Email</td>
<td>$9.53</td>
</tr>
<tr>
<td>Dating</td>
<td>$8.82</td>
</tr>
</tbody>
</table>
Drill down:

### Financial
- Bank account or debit card: $250
- PayPal: $42
- Credit Card: $34

### Proof of Identity
- "Fullz": Name, current and past addresses, mother's maiden name, SSN, DOB, credit reports, etc.: $17
- Driving license: High quality scan: $27
- Passport: US passport, high quality scan: $18

### Online Account Credentials
- Amazon: $30
- eBay: $21
- Uber: $11
- Facebook: $9
- Telecom: Phone number and credentials. Prices vary by carrier. Ask about our specials! $7-$16
Your identity report is ready

We scanned over 600,000 data points on the Dark Web for your SSN, email address and more—aren't you curious about what we found?

View report now
';--have i been pwned?

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

email address pwned?

Generate secure, unique passwords for every account

Learn more at 1Password.com

Why 1Password?
Adobe: In October 2013, 153 million Adobe accounts were breached with each containing an internal ID, username, email, encrypted password and a password hint in plain text. The password cryptography was poorly done and many were quickly resolved back to plain text. The unencrypted hints also disclosed much about the passwords adding further to the risk that hundreds of millions of Adobe customers already faced.

Compromised data: Email addresses, Password hints, Passwords, Usernames

Dropbox: In mid-2012, Dropbox suffered a data breach which exposed the stored credentials of tens of millions of their customers. In August 2016, they forced password resets for customers they believed may be at risk. A large volume of data totalling over 68 million records was subsequently traded online and included email addresses and salted hashes of passwords (half of them SHA1, half of them bcrypt).

Compromised data: Email addresses, Passwords

LinkedIn: In May 2016, LinkedIn had 164 million email addresses and passwords exposed. Originally hacked in 2012, the data remained out of sight until being offered for sale on a dark market site 4 years later. The passwords in the breach were stored as SHA1 hashes without salt, the vast majority of which were quickly cracked in the days following the release of the data.

Compromised data: Email addresses, Passwords

tumblr: In early 2013, tumblr suffered a data breach which resulted in the exposure of over 65 million accounts. The data was later put up for sale on a dark market website and included email addresses and passwords stored as salted SHA1 hashes.

Compromised data: Email addresses, Passwords
Let’s explore the Dark Web
Not so fast ...
How fraudsters buy information on the Dark Web

1) Set up TOR + VPN

1) Find a marketplace of choice: DreamMarket, Tochka, SliiPP, etc.

1) Create an account

1) Start shopping

1) Pay with alt-coin
What can end-users do?

- Generate unique password for each site
- Enable 2FA whenever possible
- Monitor identity, credit reports, breach info
What can merchants do?

- Assume all accounts (the credentials) are breached
- Deploy solutions that detect ATO in real-time
- Strategically verify risky logins and activity via dynamic friction
Questions?

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Trust and Safety Architect
## Market Changes:

<table>
<thead>
<tr>
<th>Item for Sale</th>
<th>Avg. Price</th>
<th>Avg. Price Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amazon</td>
<td>$30.36</td>
<td>+237%</td>
</tr>
<tr>
<td>Best Buy</td>
<td>$26.54</td>
<td>+121%</td>
</tr>
<tr>
<td>eBay</td>
<td>$21.66</td>
<td>+74%</td>
</tr>
<tr>
<td>NBA</td>
<td>$15.04</td>
<td>N/A</td>
</tr>
<tr>
<td>Fortnite</td>
<td>$11.33</td>
<td>N/A</td>
</tr>
<tr>
<td>Uber</td>
<td>$11.22</td>
<td>+60%</td>
</tr>
<tr>
<td>Netflix</td>
<td>$10.73</td>
<td>+29%</td>
</tr>
<tr>
<td>Apple</td>
<td>$11.36</td>
<td>-26%</td>
</tr>
<tr>
<td>Facebook</td>
<td>$9.12</td>
<td>+75%</td>
</tr>
<tr>
<td>Airbnb</td>
<td>$7.61</td>
<td>-3%</td>
</tr>
</tbody>
</table>

*Price change is difference in average price between 2018 and 2019, where 2018 data is available.*
THIS SITE HAS BEEN SEIZED

by the FBI pursuant to a seizure warrant obtained by the United States Attorney’s Office for the Western District of Pennsylvania, the U.S. Department of Justice’s Computer Crime and Intellectual Property Section and the Organized Crime and Gang Section under the authority of 18 USC 1956(h), 981, 982 and in coordination with European law enforcement agencies acting through Europol in accordance with the law of European member states.
What’s an “identity”? 

**Finance**

**Proof of Identity**

**Accounts**

Name, addresses, mother’s maiden name, SSN, DOB, credit reports, etc.