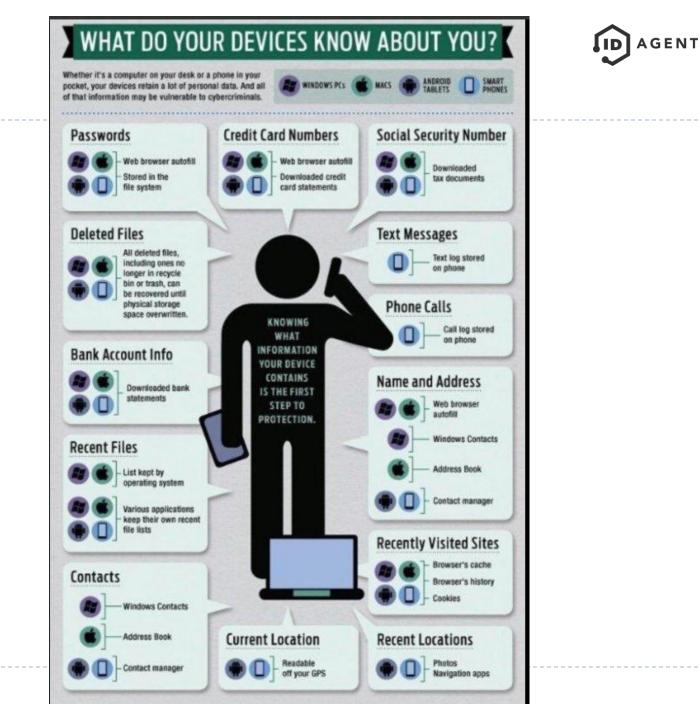




## The Cyber Exchange The Dark Web

By Dan Struthers HardSoft Systems Ltd www.hsl.ca



HSL





## Statistics

Retail exposed 67% (420M) of the number of records in the total dataset.

Companies with less than \$50M in revenue were the most impacted, accounting for 47% of the claims.

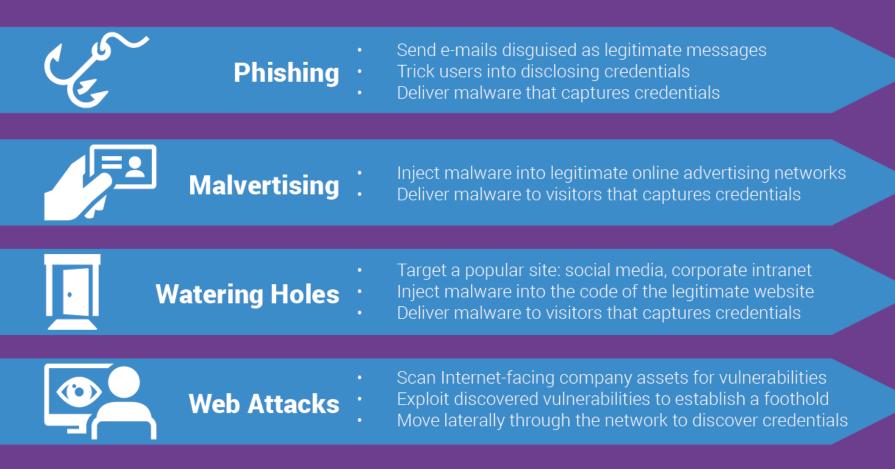
The average total breach cost was \$394K, the median \$56K.

 Companies with revenues greater than \$2B suffered an average breach cost of \$3.2M.





#### How Are Credentials Compromised?



Federal Financial Institutions Examination Council (FFIEC), "Joint Statement: Cyber Attacks Compromising Credentials", March 2015





#### Typical price range on Dark Web markets for compromised credentials, ranging from online services to corporate network usernames and passwords







# HOW OFTEN ARE DIFFERENT TYPES OF PII INVOLVED IN DATA BREACHES?\* Contact Information 089%

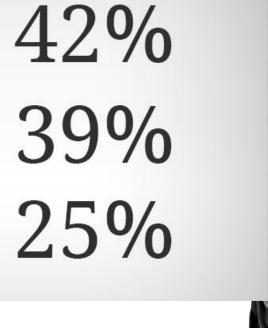
**Financial Details** 

**Identity Information** 

**Health Information** 

Source: Australian Government

\*Based on Australian Businesses







#### What Can an Attacker Do with Compromised Credentials?





#### 9 WAYS YOUR EMPLOYEES' WORK CREDENTIALS CAN LEAD TO A BREACH



When your employees use their work email on websites like the ones listed below, it makes your business vulnerable to a breach. With our Dark Web Monitoring, we can detect if your company is at risk due to exposed credentials on 3rd party websites.







## Email addresses and passwords

600K Facebook accounts are hacked daily

50% of users use the same passwork
for everything

Warning

Virus Alert!

OK

- At least one person will
- click on everything





| Sample Report of Dark Web Monitoring |                             |              |                |               |                        |
|--------------------------------------|-----------------------------|--------------|----------------|---------------|------------------------|
| Date Found                           | Email/IP                    | Password Hit | Source         | Туре          | Website                |
| 10/4/2018                            | johndoe@yourcompany.ca      | form****     | id theft forum | Not Disclosed | bell canada            |
| 10/4/2018                            | janedoe@yourcompany.ca      | fire****     | id theft forum | Not Disclosed | edmodo.com             |
| 9/29/2018                            | joe.employee@yourcompany.ca | Vinn**       | id theft forum | Not Disclosed | Not Disclosed          |
| 9/25/2018                            | anyemployee@yourcompany.ca  | berl*****    | id theft forum | Not Disclosed | fashionfantasygame.com |







### Find out BEFORE the damage is done





# Thank you

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