A Walk in the Shadows

February 16, 2016

digital shadows_

Overview

- What is a digital shadow?
- What is cyber situational awareness?
- A walk in the shadows
- Q&A

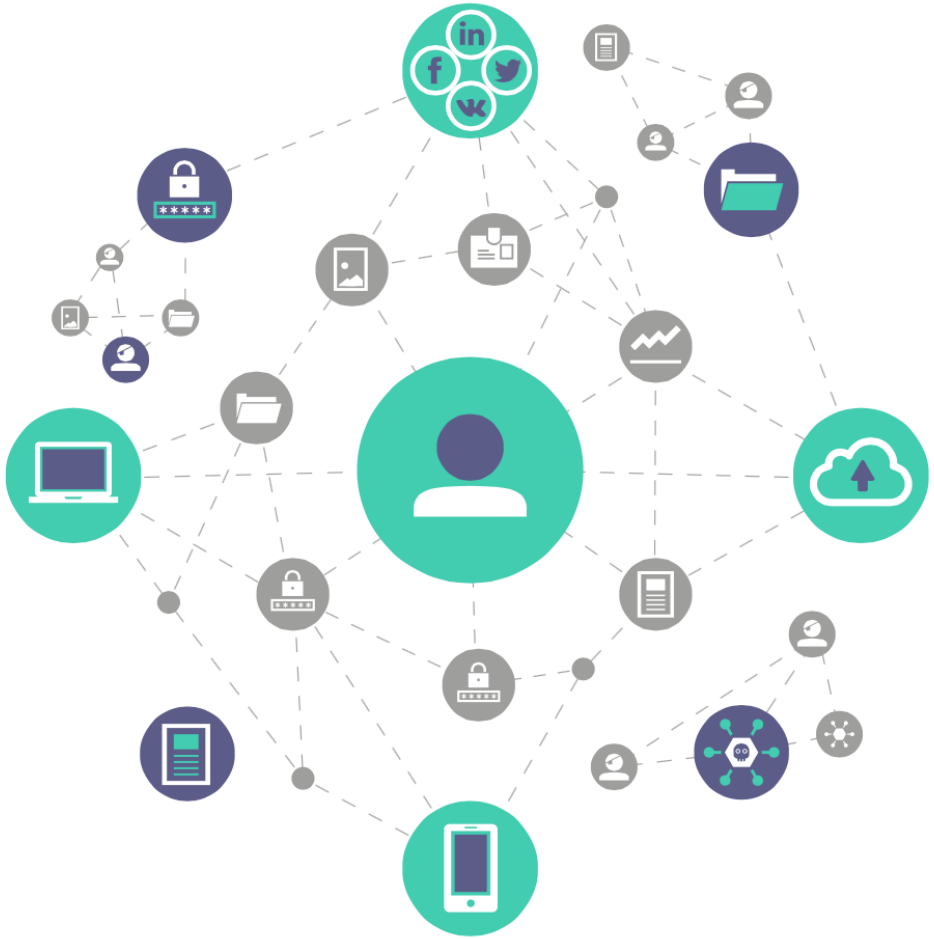
What is a digital shadow?

Digital Footprint

As an organization's employees, suppliers and partners transact and socialize online, they leave behind an electronic trail of their activities.

Digital Shadow

Exposed personal, technical or organizational information that is often highly confidential, sensitive or proprietary



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The adversary has its own shadow

- Patterns and motives
- Attack vectors of choice
- Dark web activities
- Abuse of brands

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Cyber situational awareness

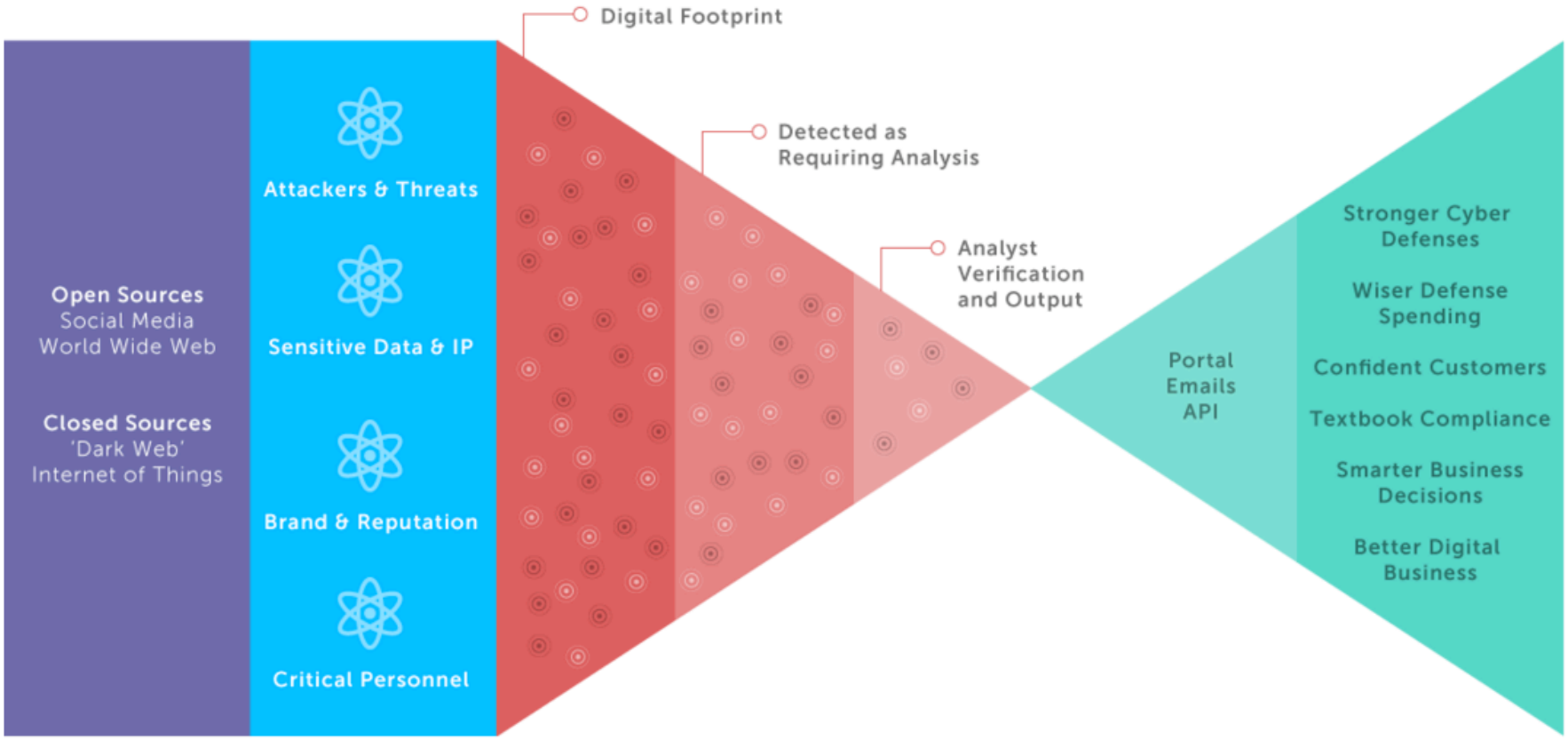
Extensive Coverage

Tailored Intelligence

Frictionless Deployment

Timely Alerts

Situational Awareness



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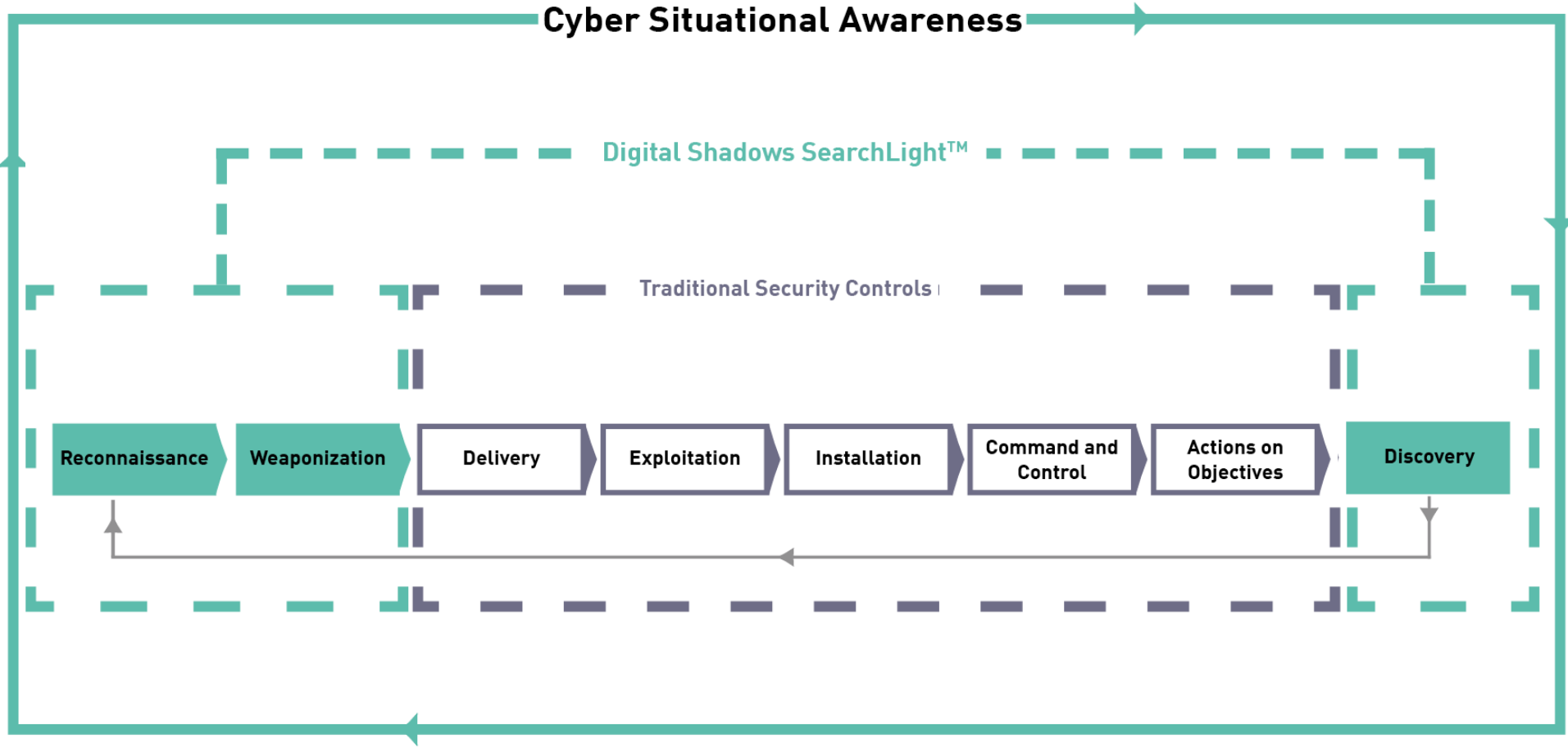
Cyber situational awareness and the kill chain



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A Walk in the Shadows

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Social Media – Over sharing

Background

Summary

My primary interests are in mainframe applications and cyber security. I try to stay up-to-date in both and learn as many new things as I can.

Experience

Security Engineering & Architecture

[redacted]

May 2013 – Present (2 years 7 months) | Greater Pittsburgh Area

I work with a multinational team to handle security issues for the entire corporation. Systems include Splunk, a Checkpoint Firewall, a McAfee Web Proxy, and HP Service Manager for ticket requests.

▸ 1 project

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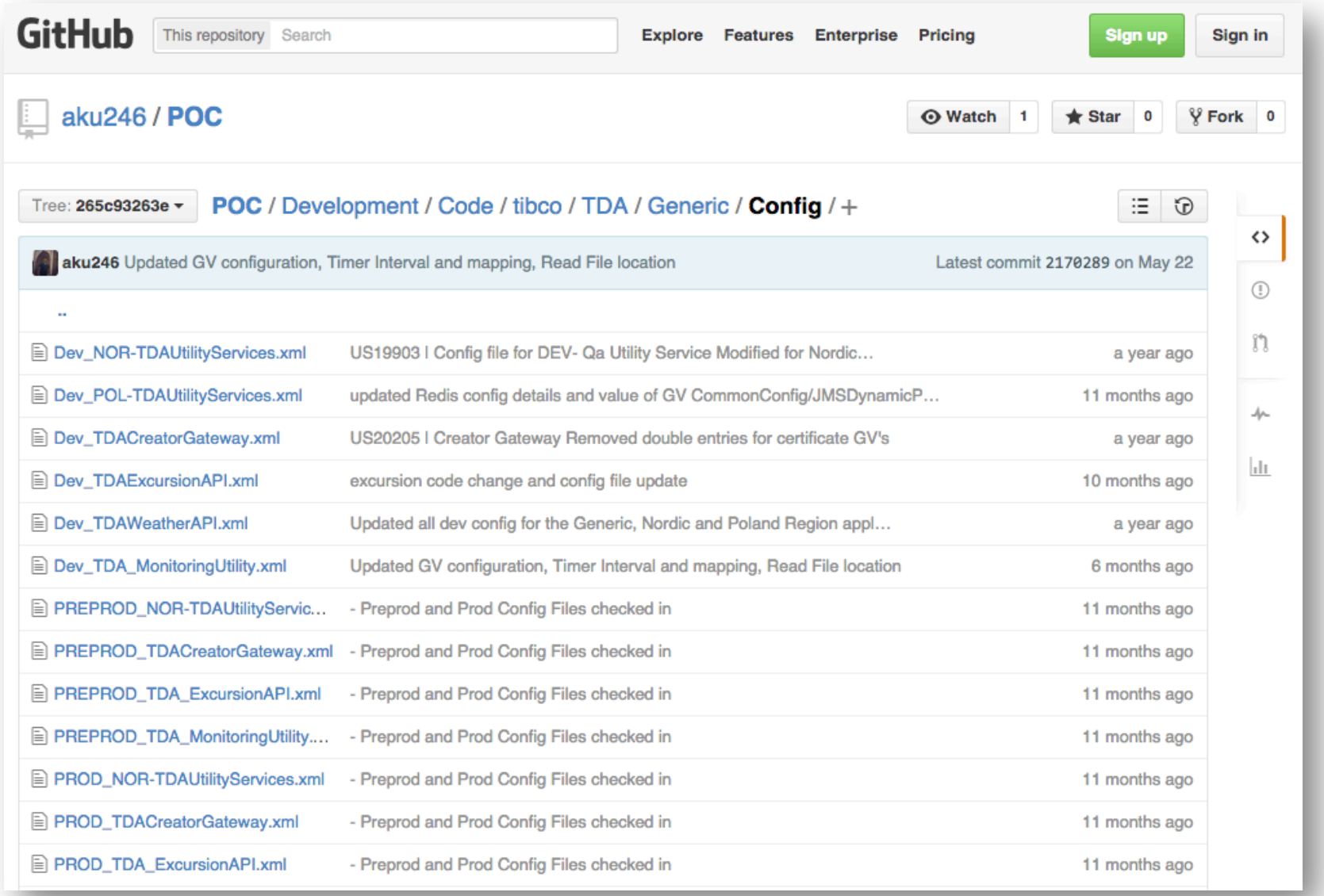
Code-Sharing – Over sharing



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Code-Sharing – Over sharing

```
<NameValuePairPassword>
    <name>Connection/JDBC/Password</name>
    <value>#!xJVQ7krVJERtGuG/E43nc47oNn3WHRY1wjbwJupBLOceae5f98ZV2A==</value>
</NameValuePairPassword>
```

```
<binding name="CacheManager">
    <machine>delvmplltui27.sapient.com</machine>
    <product>
        <type>BW</type>
```


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Exploiting the Shadows

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Hacktivists

Anonymous Long Eaton UK Like Page

12 August at 23:48 · Edited ·

Anonymous World Legion Council
#OpHitTheBanks is coming!
#BlackHats #WhiteHats #GreyHats #Hackers #Ddos #Activists #Anonymous
#Anons #Bankers
Calling all Black, Grey and White Hat Hackers..
We will be organizing a protest and march at the Major Banks that are controlling the debt, interest and slavery of our world.

GlobalRevolution Follow
@AnonOpSaudiX2

#ResistCapitalism #MoveYourMoney
#Occupy
#UAE FIRST GULF BANK<#TangoDown>
fgb.ae

#Anonymous #OpUAE
status.ws/sites/www.fgb. …

RETWEETS 5 FAVOURITE 1

2:22 a.m. - 17 May 2015

GlobalRevolution Follow
@AnonOpSaudiX2

#الانونيموس
تعطيل بنوك #السعودية
بنك الراجحي

#TangoDOWN -->
alrajhibank.com.sa

status.ws/sites/www.alra …
#OpSaudi
#OpArabia

View translation

RETWEETS 3 FAVOURITE 1

12:11 p.m. - 27 Aug 2015

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Cyber criminals and the Dark Web

- Loyalty card company data sold
- UK retail bank employee selling customer data

yeah, got bulk hacked [redacted] account bro with various point.
you can exchange point with [redacted] giftcards

then you just need hacked UK [redacted] and linked with giftcard, you can card all stuff on ebay.

btw,
I've a lot email:pass, which country you need bro?

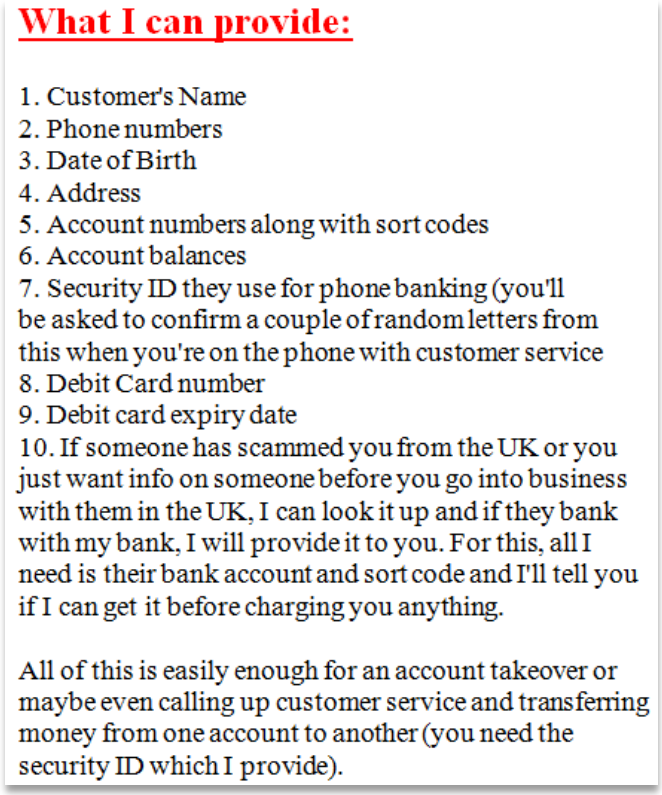
If you interest I'll create costum listing for you.

pric[redacted] I take 30% from balance
email : pass depend country, UK 10$/ 1k , usa 7$/ 1k

sorry my bad english

thanks,

HACKED ACCOUNT DEALER MARKETPLACE:
http://k5zq47j6wd3wdvjq.onion/
DETAIL & PRICE: http://i25c62nvu4cgeqyz.onion/



What I can provide:

1. Customer's Name
2. Phone numbers
3. Date of Birth
4. Address
5. Account numbers along with sort codes
6. Account balances
7. Security ID they use for phone banking (you'll be asked to confirm a couple of random letters from this when you're on the phone with customer service
8. Debit Card number
9. Debit card expiry date
10. If someone has scammed you from the UK or you just want info on someone before you go into business with them in the UK, I can look it up and if they bank with my bank, I will provide it to you. For this, all I need is their bank account and sort code and I'll tell you if I can get it before charging you anything.

All of this is easily enough for an account takeover or maybe even calling up customer service and transferring money from one account to another (you need the security ID which I provide).

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Thank you for listening. Any questions?

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