

coinbase

Evolving Attacker Techniques in Cryptocurrency User Targeting



About Me

I'm Philip Martin, the CISO at Coinbase

Ex-Palantir, Amazon and US Army

I speak a little Arabic, would love to practice

Agenda

00 – About me

01 – About Coinbase

02 – Common Techniques

03 – Up and Coming Techniques

04 – Questions

About coinbase

Coinbase is one of the largest single store of cryptocurrency in the world.

30 Million Users

~2000 reports a day

~50 investigations a
day



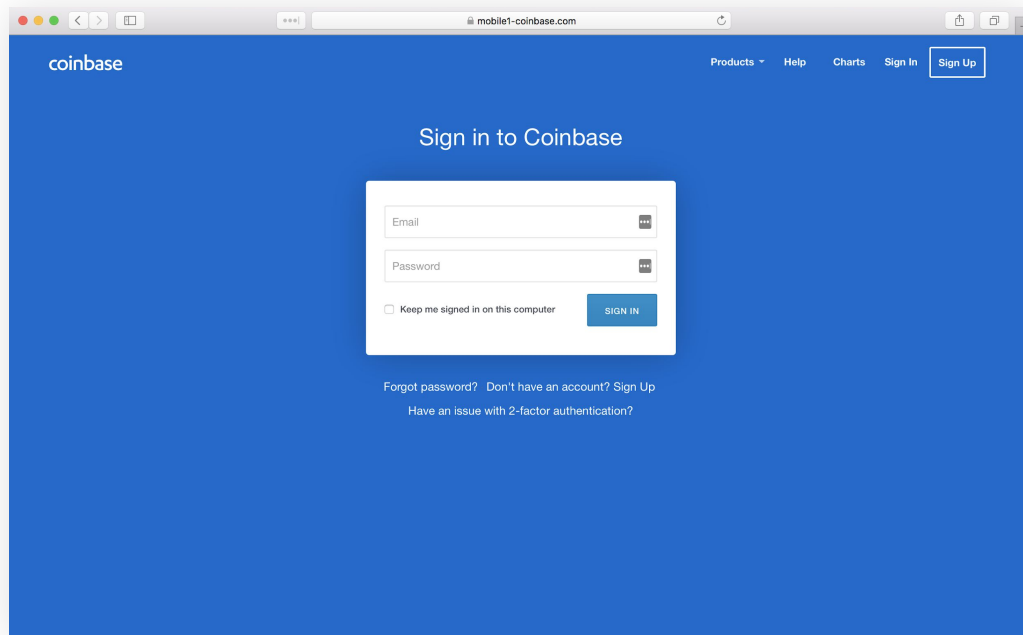
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Security Operations

Most Common Techniques

Phishing with 2fa theft.

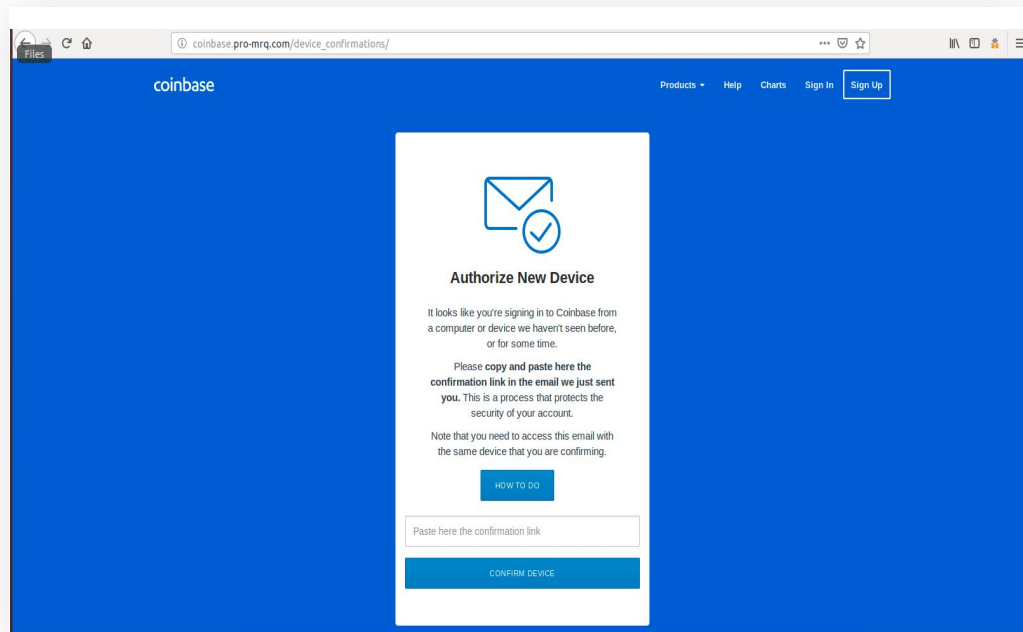
- We see a large volume of attempted credential phishing.
- Coinbase phishing has integrated a 2fa token stealing component (for years)
- We've implemented device verification as the main countermeasure to this kind of attack.



Most Common Techniques

Phishing with 2fa theft.

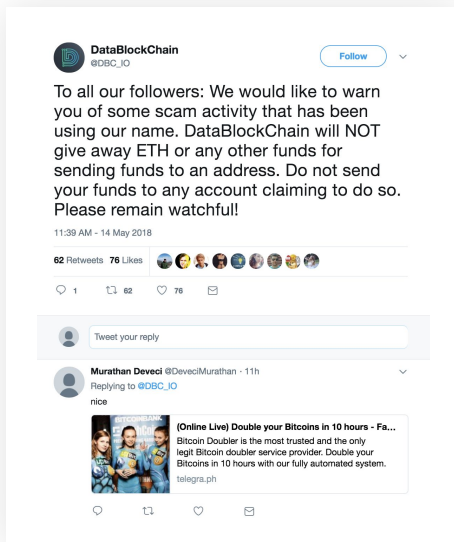
- We do see attackers trying to innovate around DV, but it has a pretty low effectiveness rate.



Most Common Techniques

Social Media Social Engineering

- This is the second most popular and effective attacker technique.
- Most commonly, attackers pick anyone who says anything about cryptocurrency and flood the responses to anything they tweet with offers of free crypto currency.



Most Common Techniques

Phone Porting / SIM Swapping

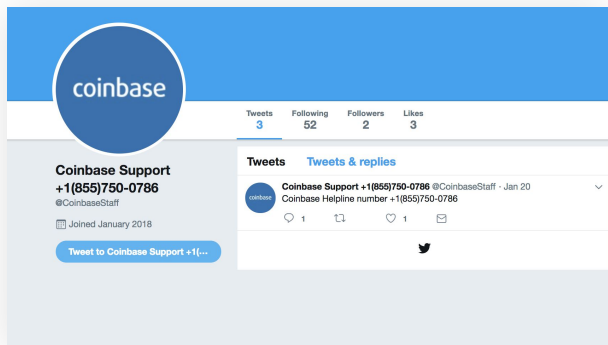
- We've seen a drop off over time in this tactic targeting Coinbase users, but this is still a very popular technique in the space in general.
- Generally used in highly targeted attacks, focusing on high value targets.
- Mostly a problem in the US because of the laws regarding phone portability.



Most Common Techniques



Telephone Scams



Search Engine Poisoning

Robinhood Support (@AskRobinhood) | Twitter

<https://twitter.com/askrobinhood?lang=en>

The latest Tweets from Robinhood Support (@AskRobinhood). ... future than today when i was trading stocks over wifi on my phone at 39,000ft @RobinhoodApp.

Search Phone 1 88888 16144 Call Robinhood Customer Support ...

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Up and Coming Techniques

Google Answer Box Pollution

coinbase phone support

About 8,250,000 results (0.62 seconds)

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(Ad) www.coinbase.com/Join/Today ▼
The World's Most Popular Way to Buy and Sell Bitcoin, Ethereum, and Litecoin.
Over 10M+ Users iOS & Android App - Most Trusted Services: Buy Digital Currency, Secure Storage, Set Price Alerts

Live Price Charts
View the Latest Prices
Setup Price Alerts - Signup Today

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Learn How to Get Started
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Coinbase / Customer service

1 (888) 908-7930

Feedback

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<https://support.coinbase.com/customer/portal/articles/2288496> ▼
Security Notice: Coinbase Support will NEVER ask you to share your password or ... Phone support is available 24 hours a day, 7 days a week, 365 days a year.

Coinbase Customer Services
Support for Coinbase & CryptoCurrencies

HOME BLOG ABOUT US PRIVACY POLICY CONTACT US

Coinbase San Francisco Customer Service Phone Number For Help

About Coinbase Customer Services and help -

Bitcoin have been amongst the most searched & also one of the hottest topics over the internet from the last 2-3 years. But wait, before we dwell further or dig more into the topic we need to know more about Bitcoins.

Founded on 18th of August, 2008 by Satoshi Nakamoto; Bitcoin is a **Digital Currency** which uses a peer-to-peer electronic cash system. In other words, Bitcoins are a type of Digital Currencies that uses an electronic cash system and the transactions can be done without relying on a Bank, Trust, or a Mediator.

To store any Digital Currencies, one must have an online digital wallet which can store your digital currency and would also help in trading. There are various types of **Digital Wallet** available across the Globe and **Coinbase** is one of the most famous digital wallet with more than a million traders who indulges in the practices of trading and mining different types of cryptocurrencies such as Bitcoin (BTC), Litecoin (LTC), Ethereum (ETH), and Bitcoin Cash (BCH).

What Coinbase or other digital wallets do is they hold a private key associated which each & every Bitcoins which can later be used to do online and even offline transactions where digital

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Google Maps Locations

(+) Google Place Discovered 7 days ago
Search 'coinbase' found a new place - "Coinbase Of India, Agra Road, Chetak Vihar Colony, Jaipur, Rajasthan, India"

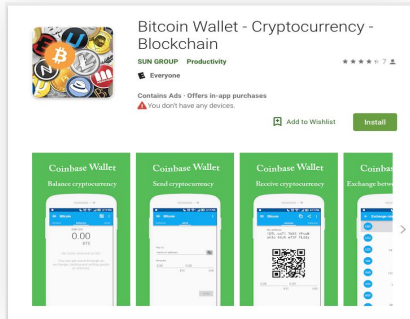
(+) Google Place Discovered 7 days ago
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(+) Google Place Discovered 7 days ago
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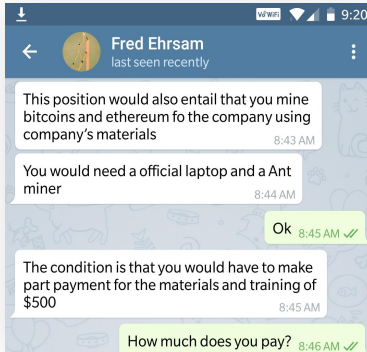
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Search 'coinbase' found a new place - "Coinbase Support, Market Street, San Francisco, CA, USA"

(+) Google Place Discovered 7 days ago
Search 'coinbase' found a new place - "Coinbase, Carrer del Mestre Nicolau, Barcelona, Spain"

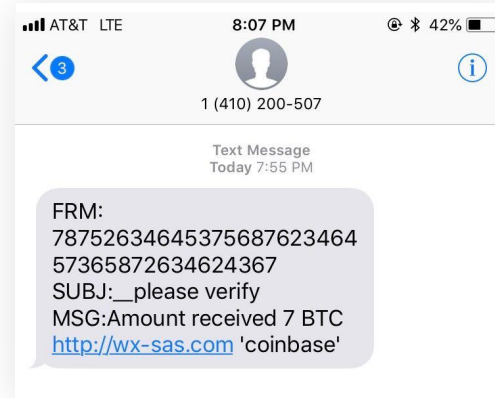
Up and Coming Techniques



Fake Apps and other vectors



Telegram orchestrated Attacks



SMS Phishing

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Any Questions?