

Supplementary Information

1. Screenshots

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1. Screenshots

screenshots/

Example Screenshots of Investor Alerts from FMA and IOSCO websites

NZX FMA Screenshot 2024-05-09.png

NZX Wealth Investments, FMA website

<https://www.fma.govt.nz/library/warnings-and-alerts/nzx-wealth-investments/>

PRIAMA FMA Screenshot 2024-12-04.png

PRIAMA, FMA website

<https://www.fma.govt.nz/library/warnings-and-alerts/parnell-rosenberg-irwin-asset-management-priama-suspected-scam/>

PRIAMA IOSCO Screenshot 2024-09-16.png

PRIAMA, IOSCO website

[https://www.iosco.org/v2/investor_protection/?subsection=investor_alerts_portal&id=34194&entity=Parnell-Rosenberg-Irwin-Asset-Management-\(PRIAMA\)%E2%80%93Suspected-scam](https://www.iosco.org/v2/investor_protection/?subsection=investor_alerts_portal&id=34194&entity=Parnell-Rosenberg-Irwin-Asset-Management-(PRIAMA)%E2%80%93Suspected-scam)

Example Screenshots of Moneysmart website

moneysmart-2025-02-17.png

moneysmart-menu-2025-02-17.png

Investor alerts section of the Moneysmart website showing navigation menu with broader financial education resources

<https://moneysmart.gov.au/check-and-report-scams/investor-alert-list>

Example Screenshots of the Safe Browsing Features of Microsoft Edge and Google Chrome Blocking URLs

edge-revolutwealth.net-2024-09-12.png

revolutwealth.net blocked in MS Edge (2024-09-12)

chrome-standardcharteredbank-live-2024-09-20.png

standardcharteredbank.live blocked in Google Chrome (2024-09-20)

Screenshots of the CheckNetsafe.nz website

CheckNetsafe.nz Screenshot 2024-12-04.png

The web interface to check URLs at <https://checknetsafe.nz/> (2024-12-04)

bitmart.com CheckNetsafe.nz Screenshot 2024-12-04.png

Results of checking the URL www.bitmart.com at the CheckNetsafe system (2024-12-04)

2. Data

data/

URL testing

data/scam-url-alerts.csv

Sample of 39 URLs for testing, manually extracted from investor alerts published in July-September 2024. 3 fields:

Agency

a financial regulator, one of:

- FMA: Financial Markets Authority, New Zealand
- FCA: Financial Conduct Authority, UK
- MS: MoneySmart (published by ASIC: Australian Securities and Investments Commission), Australia

Report URL

the URL of the alert at the website of the agency

Scam URL

the URL of the scam website, as manually extracted from the Report URL. Agencies report these inconsistently: with or without the protocol (http or https). These values are those as reported by the agency.

data/Netsafe.csv

The CheckNetSafe results from the 39 URLs (although 3 URLs produced no results).

Each URL was manually entered into the CheckNetSafe website (<https://checknetsafe.nz/>) and the results recorded (September 2024). Where the regulator reported a URL without a protocol (e.g. www.bitmart.com) then the URL was tested with both a http and https protocol: no differences were observed.

18 fields:

Scam URL

The URL to be tested.

IPQS ... SSL Check

The 16 testing services used by CheckNetSafe. SSL Check is different to the other services as it only checks the encryption certificate configuration.

Overall Recommendation

The summary for each URL provided by CheckNetSafe.

The results for each URL for a testing service have 4 possible values:

positive

the site is fine. Visually indicated on the CheckNetSafe website with a tick mark icon.

neutral

no opinion on the site. Visually indicated on the CheckNetSafe website with a horizontal line/dash icon.

negative

the site is dangerous. Visually indicated on the CheckNetSafe website with an X icon.

no-data

CheckNetSafe returned no results for the URL, also no Overall Recommendation was provided.

3. Code

code/

fma_crawler.py

iosco_crawler.py

moneysmart_convert_json_to_csv.py

Python scripts for attempting to extract data from the FMA, Moneysmart and IOSCO alerting portals

netsafe.r

An R script that produces the URL testing statistics in the paper.

The SSL Checker service is removed from the counts as it is a technical feature rather than an assessment of a dangerous site.

netsafe.log

An output log from the netsafe.r script.