Ransomware Targeting Italy- May 2022

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Outlook

Ransomware as a Service

- Law Enforcement Actions - removal of more players like REVIL and Blackmatter
- Expect more RAAS groups to emerge to fill vacuum (e.g. ALPHV)
- Expect Lower barrier to enter RAAS market which will lead to more irrational activity, unexpected impacts and risks

Actions

- Monitor TTP's of RAAS groups and share with teams to identify possible gaps in process & controls to minimise impact
- Takedown malicious infrastructure
- Threat hunt for hand on keyboard activities unique to Ransomware and precursors (IPs/domains/tools)
- Search dark web for Initial Access Brokers targeting Australia
- Search dark web for employee credentials (Microsoft: 70% attacks from credential recycling)

Ransomware Summary 2021

28/34

Ransomware Groups had Law Enforcement Action Taken against or “retired” in 2021

131(UK) / 2865

Total Victims posted in 2021

(109 Finance / 396 2022 YTD / 51 UK / 0 Finance)

$590 Million

The amount of ransom payments made in the first half of 2021 according to FinCEN

100% increase

Data breaches inc Ransomware from 2020 to 2021 (VDBR report 2021)

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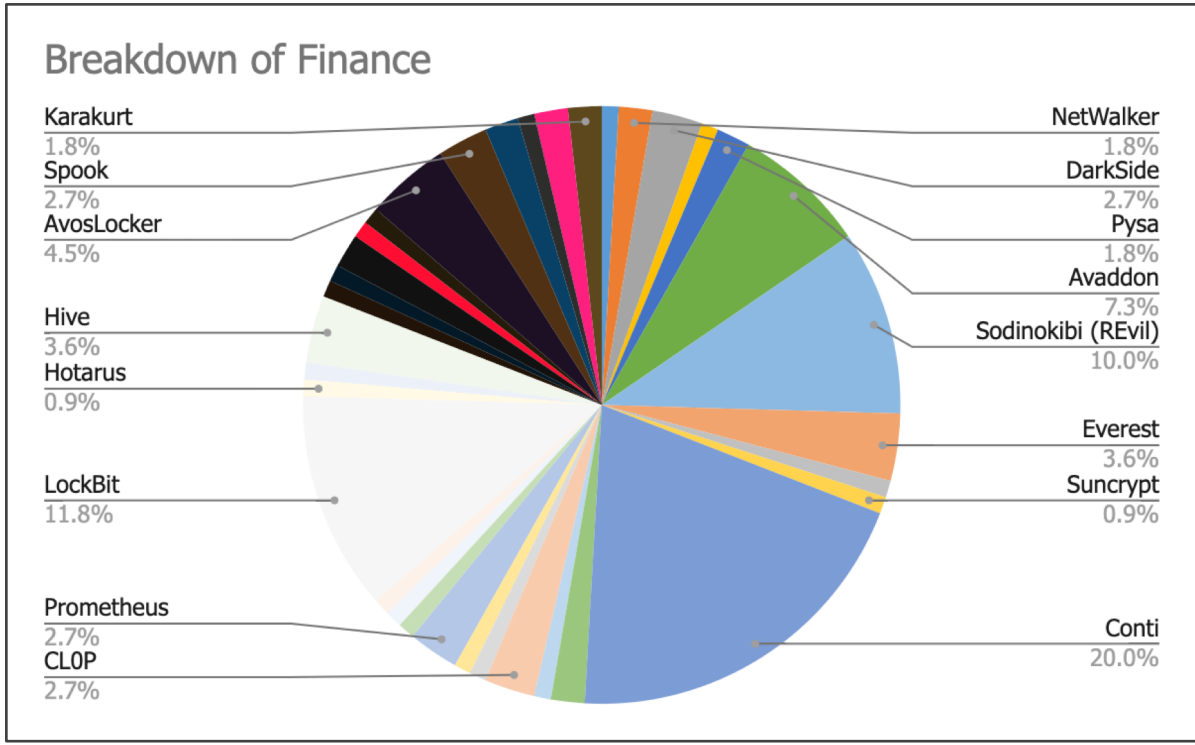
Industry Targets - Finance breakdown

- In 2021, Recorded Future analysts believe that ransomware operators and their affiliates are opportunistic by nature and do not typically focus on specific industries or geographic regions
- Select and pursue organizations based on accessibility, opportunity, and factors such as the ability to pay large ransom amounts read ***significant company revenue***
- Finance - ***109*** / ***4267*** ***observed published victims***



Ransomware Extortion

- RaaS has driven extortion to become significant part of attack
- If RAAS affiliate cannot extort ransom payment they look for other ways to blackmail victims
- Reputational risk/harm impacted
  - Loss of service
  - Personal Identifiable Info
  - Executive emails
  - Mergers & Acquisition
  - Denial of Service

Source: Reddit

Fraud

Fraud Guides:

- Fraud Tutorials and courses are available on the Dark Web and underground communities, providing ‘how-to’ guides on commiting Fraud.

- **GOLDIE ENROLL 5.0** course is specifically tailored to enable cyber criminals to commit online banking fraud.

- Messaging Platforms (Telegram), Dark Web Forums and Paste Sites (Pastebin) are common channels for Threat Actors to advertise compromised bank accounts.

- There are specific terms taught in the Carding Community to be aware of e.g. *‘Fullz, Zaliv, Karton’*

“Your task is to mimic a real user. Every little detail counts: get a proxy, as close to the cardholder's ZIP code as possible, start from a search engine, browse to an online store, warm it up by spending time to check various related products. If you are about to card a laptop, pretend to be a grandma looking for a present for her grandson. Don’t act as a carder and you won’t look like one.”

[The Business of Fraud: Fraud Tutorials & Courses]

GOLDIE ENROLL
C R E D I T U P D A T E

🏦TIB BANK
AVAILABLE CREDIT:7.700$
BEAUMONT|TX|77726
инст миники|nonvbv
price:90$

🏦FIRST COMMUNITY BANK
AVAILABLE CREDIT:880$
WV | Craigsville | 26205
инст миники
change billing | change number
price:50$

🏦PNC BANK
AVAILABLE CREDIT:24.000$
OH | Cleveland | 44125
инст миники|nonvbv|ssn+dob
price:90

♦️CENTRAL BANK
AVAILABLE CREDIT:4.800$
SANTAQUIN|UT|84655
инст миники
price:200$

♦️VIRGINIA F.C.U.
AVAILABLE CREDIT:16.000$
GOODE|VA|24556
инст миники |noconf mail
price:260$

♦️NORTHWEST SAVING BANK
AVAILABLE CREDIT:2.600$
NY|14120
инст миники
price:170$

🏦PNC BANK
AVAILABLE CREDIT:4.700$
FREDERICKSBURG|VA|22407
инст миники|nonvbv|ssn+dob
price:65$

🏦PNC BANK
AVAILABLE CREDIT:25.000$
FORT LAUDERDALE|FL|33308
инст миники|nonvbv|ssn+dob
price:100$

🏦PNC BANK
AVAILABLE CREDIT:40.000$
IN|city:Brownstown|zip:47220
инст миники|nonvbv|ssn+dob
price:150$

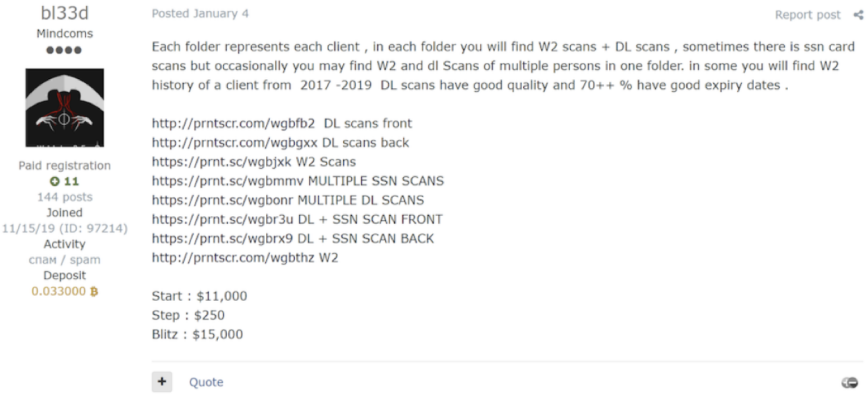
🏦ALLIANT C.U
AVAILABLE CREDIT:14.700$
FAIRFIELD|OH|45014
инст миники
price:130$

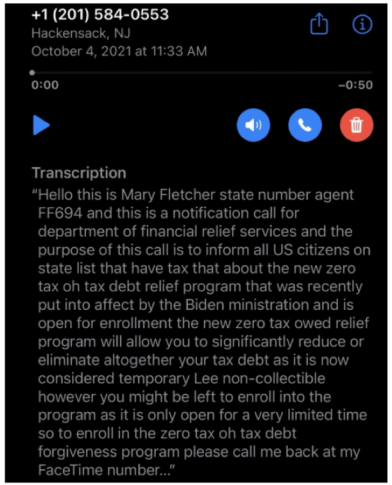
Fraud

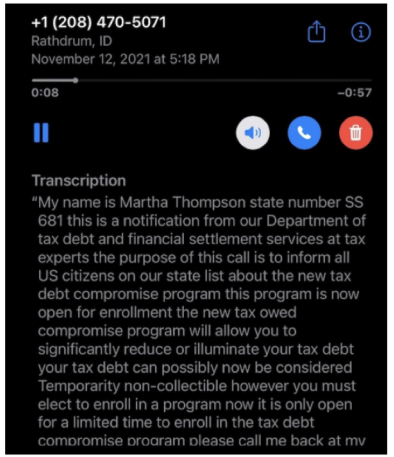
Tactics, Techniques and Procedures (TTPs)

- Threat actors use a diverse set of sophisticated TTPs - Identity Theft, Corporate Network Compromise, Ransomware, Money Laundering and Social Engineering Attacks
- Services are primarily advertised on top tier Russian forums such as **Exploit, XSS** and **Verified**
- An attacker would be able to purchase things like account credentials, session cookies and browser fingerprints and use these in combination with PII.
- Bots sold on **Genesis Store** can provide a wealth of financial information.

[The Business of Fraud: Tax Refund Fraud]







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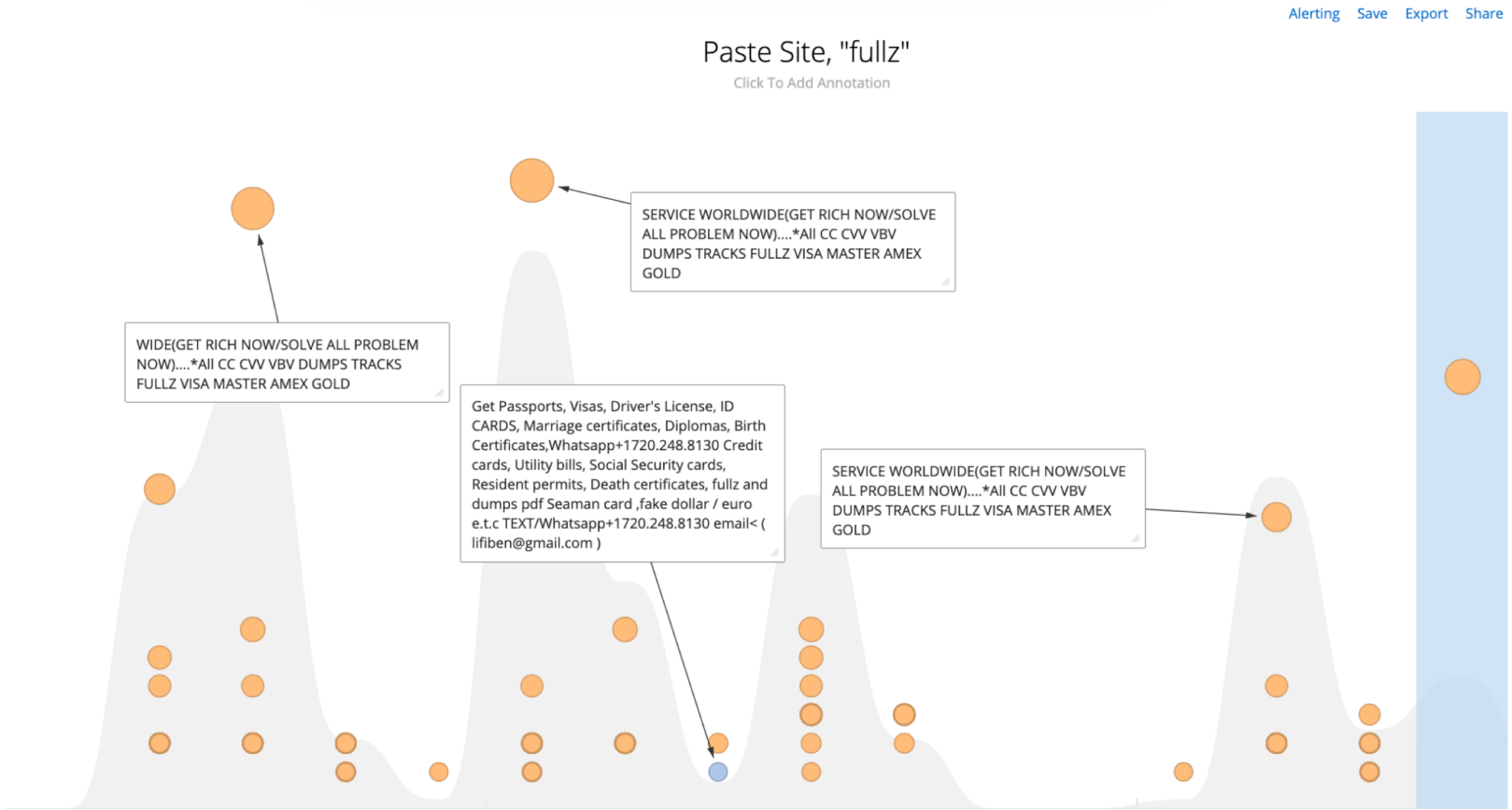

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Skimmers / Sniffers

- Dark web threat actors are using high-tier dark web sources to advertise and sell customised JS Sniffers that are defined and regularly updated to harvest credentials once injected into a website's payment process. I.e MageCart.

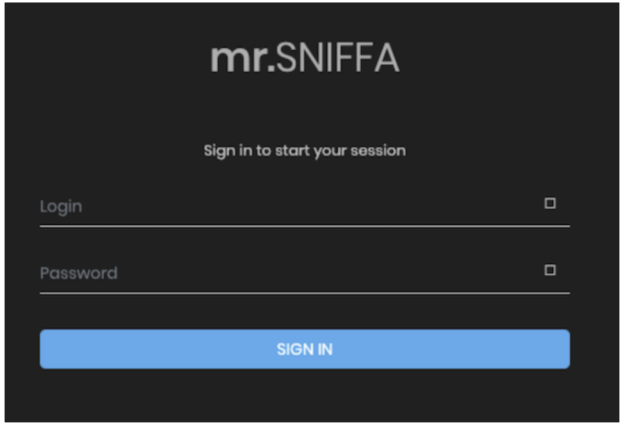
- Customised sniffer variants contain multiple capabilities and functionalities.

- Threat Actors such as "Sochi" (Inter Sniffer creator) and "Billar" (Creator of JS Credit Card Sniffer Mr Sniffa), provide access to Sniffers on well-known underground communities such as Exploit forum for varying costs.

[Credit Card 'Sniffers' Pose Persistent Threat to Growing E-Commerce Industry]

Some advertised features:

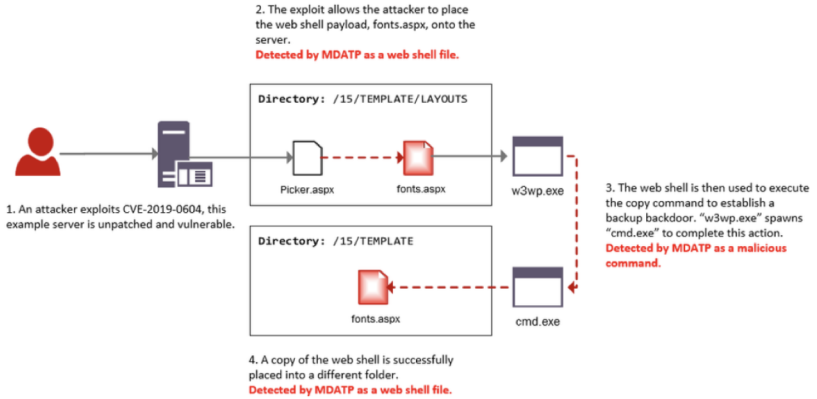
- Regular Updates
- Checked all compromised BIN
- Organised stolen payment cards in a single format
- Deleted repeating payment cards
- Grabbed login / password and billing/shipping addresses from cards



Webshells & Skimmers

- Cybercriminals are increasingly using web shells to establish command and control over retailers' servers during payment card skimming attacks.
- This puts eSkimming / Sniffers at the top of the threats to the ecosystem.
- Deploying Webshells allows Fraudsters to maintain access to compromised servers, where they can deploy additional malicious files, facilitate lateral movement and remotely execute commands.

[Visa Describes New Skimming Attack Tactics]



Common Webshell Installation: Microsoft.

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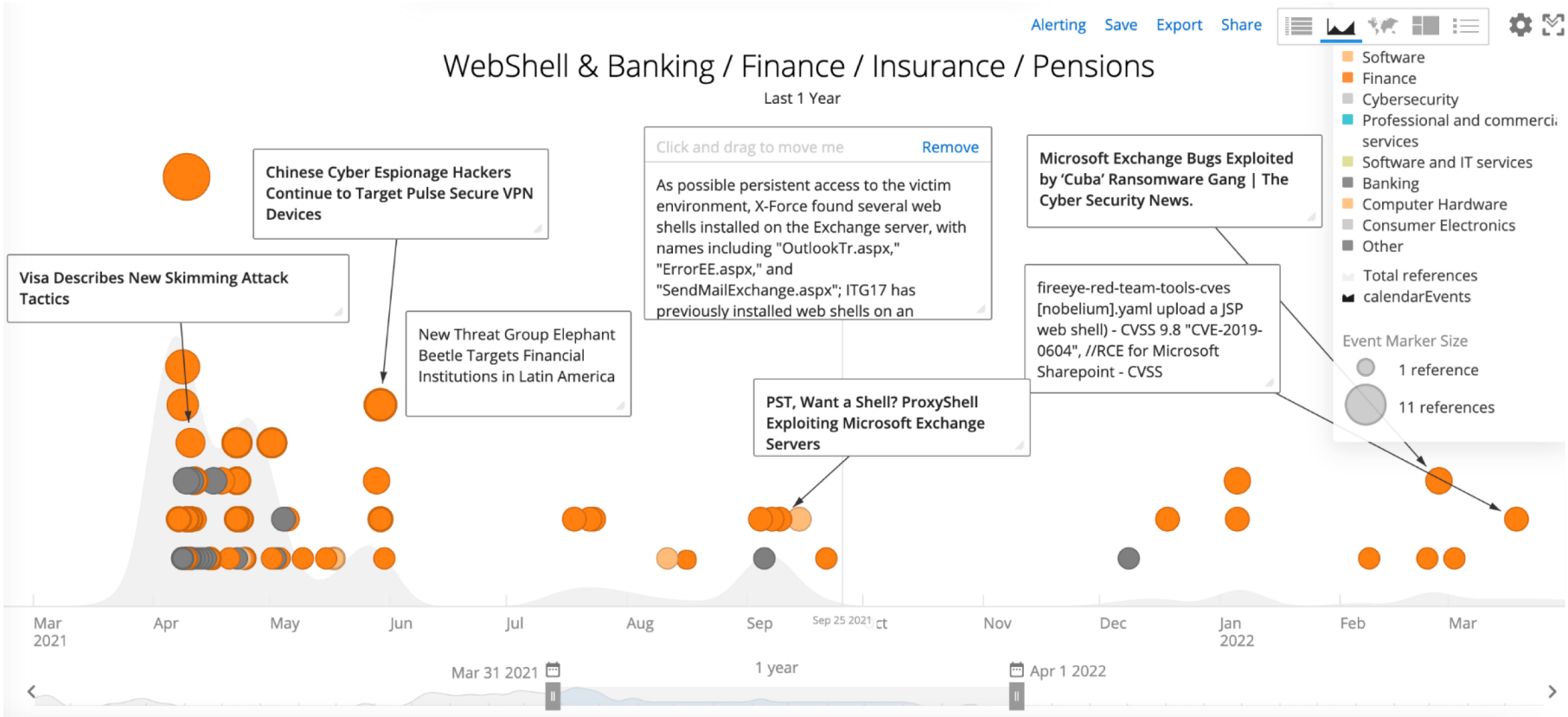

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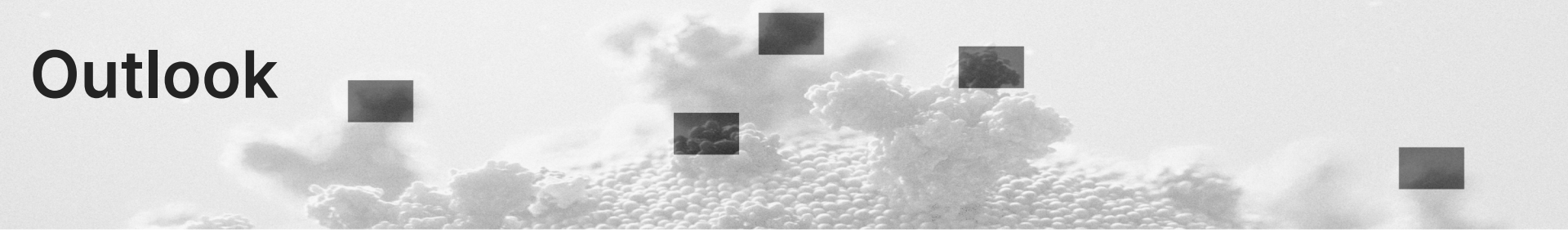

- **Cyber Insurance**: more complexity and rising costs likely to make less appealing to organisations in light of Merck legal ruling
- **Cyber Policy:** new, more powerful US cyber laws could be less likely to pass through Congress as Biden and Democrats lose out in mid-term elections in late 2022
- **RAAS:**
  - Increase of US, UK & EU governments focus on crypto payment restrictions to combat
  - Russia / Westen tension lead to less Russian action to stop actors inside Russia
  - RAAS groups improve operational security to minimise LEA disruption
- **Log4Shell:** monitor Log4S vuln for latest TTP's utilising it (e.g. IP's, ransomware, crypto-mining etc)
- **Deepfake:** Expect malicious actors to shift for blackmail, Identity theft and social engineering uses. Read our Deepfake Report

Ransomware - Top 5 Groups targeting Financial Services

- **Lockbit 2.0 -** encrypt 100GB of data in < 5 minutes (as advertised). Recruitment of insiders.
- **Conti** - ties to Ryuk. Most aggressive group of 2021. Avg payment <$100k USD. Multi-threaded - faster encryption achieved.
- **BlackMatter** - since July 2021. “Best features of DarkSide, REvil, and LockBit”. Has both Windows & Linux variants for ESXi and NAS support.
- **Hive** - since June 2021, targets Windows, Linux, and ESXi devices. Operators have shown a particular interest in healthcare organizations, although finance and banking also targetted.
- **Clop** - AKA FANCYCAT. Tool affiliated with many threat groups that appear Russia based inc FIN11, TA505, UNC2546, UNC2582, and Hive0065. Used in arsenal of tools in org attacks.