

Dissecting the Costs of Cybercriminal Operations

By Andrei Barysevich

Appendix A: Prices for Data and Information

PII Data

Social security and date of birth verification: \$3

Full background search: \$20

Random background record: \$10

Credit report 750+ credit score: \$150

Medical record: \$10

Database Records

Compromised email/password: \$25 per 1 million of records

Random botnet logs (information stolen from compromised computers such as passwords, bank credentials and browsing cookies, unstructured data sold in bulk): \$20 per 1Gb

Appendix B: Prices for Attack Tools

Malware

Ransomware license purchase: \$1,000 (2015); \$50 (2016)
Ransomware affiliate program: 50% commission of all payments (business model introduced in 2016)
Malicious Visual Basic Macros file for spam: \$20
Malicious Visual Basic Macros file for targeted attacks: \$50
Malicious Visual Basic Macros file obfuscation: \$10
Banking Web Inject: \$200
Password stealer: \$50
Banking trojan license purchase: \$3000-\$5000
Trojan monthly license rental: \$1000
RAT (Remote Access Trojan) Malware: \$200
Android malware loader: \$1500
Keylogger: \$40

Software

Login & RDP (Remote Desktop Protocol) bruteforcing tool: \$100
Browser antidetector: \$400
DDoS software: \$500-\$900

Payment information and login credentials

Credit/Debit card (CNP - card not present, stolen from compromised online websites and can only be used to place fraudulent online and phone purchases.): \$5
Credit/Debit card (CP - card present, can be cloned on a blank plastic card and used at any physical location.): \$10
Bank login (username/pass only): \$5
Bank login (access to email, cookies, security answers): \$25
PayPal account: \$1
E-commerce account: \$1
Telecom account (access to email, cookies, security answers): \$100
Telecom account (email/pass only): \$5

Appendix C: Prices for Services

Hacking Services

Email: \$100

Social media: \$100

CMS Website: \$300

Custom website: \$600

Malware Services

Android malware installation: \$0.5 per 1

PC malware installation: \$1 per 1

Web traffic: \$15-\$50 per 1000 visits

Malicious file encryption: \$20-\$30

User obfuscation

VPN: \$20

Socks/Proxy: \$1 each

RDP: \$7 each

Bulletproof hosting: \$150 per month

Spam Services

White spam: \$200 per 1 million delivered (regular spam; not illegal)

Employment spam: \$300 per 1 million delivered

Malicious spam: \$400 per 1 million delivered

Dating spam replies: \$1 per each reply

Job spam replies: \$2 per each reply

DDoS attack: \$50/day

Calling/Email Services

Dating & transaction confirmation phone call: \$10

SMS message: \$8 per each received message

Phone call flooding: \$20 per 500 calls

SMS flooding: \$20 per 500 text messages

Email flooding: \$1 per 1000 emails

VoIP account: \$3

E-Commerce Fraud Services

Package pickup: 30% of item's value (Item is ordered with stolen credit card and shipped to cardholder's address. Criminals will pickup a package via curbside delivery using fake ID.)

Debit card pickup: \$50 (Bank account is opened using stolen identity and criminals will pickup the debit card and bank mail from a mailbox.)

Package re-shipping: \$50 per item (Item is purchased from online store using a stolen credit card, delivered to shipping mule's address, and then forwarded to hacker, usually in Eastern Europe.)

Counterfeit shipping label: \$5 (A counterfeit USPS/FEDEX/UPS label is used to avoid high international and domestic shipping costs and complicates the package tracking when the item is re-shipped to a hacker. Surprisingly, it is very hard for carriers to identify fake label and several vendors have been offering it for many years.)

Stolen item purchase: 70% from MSRP (Vendors in the US and Eastern Europe buy already delivered items from hackers and resell it via legitimate business.)

Gift cards purchase: 40% from nominal value (Same as buyers of stolen items, vendors purchase gift cards bought with stolen credit cards and resell it via legitimate websites, such as StubHub.)

Documents and Verification Services

Digital copy of fake utility bill, social security card and non-identification documents: \$15

Digital copy of fake driver license and passport: \$25

Digital copy of credit/debit card: \$25

Selfie picture with ID: \$40

Video selfie with ID: \$100

Cash-out Services

Bank transfers: 50%

PayPal transfers: 50%

Debit cards: 50%

Western Union/Money Gram: 10% (\$100 minimum)