

# USER CRIMINAL: THE 2023 IDENTITY EXPOSURE ARENA

## WHAT WE FOUND IN THE CRIMINAL UNDERGROUND

AVERAGE BREACH SIZE  
**1,979,357 RECORDS**



**100,000**  
MASTER PASSWORDS FROM  
POPULAR PASSWORD MANAGERS

**61% OF BREACHES**  
WERE MALWARE RELATED



**74% OF USERS**  
IN BREACHES REUSED  
COMPROMISED PASSWORDS

RECAPTURED EMAIL ADDRESSES  
**1.64 BILLION**



**4.7 MILLION**  
RECAPTURED THIRD-PARTY  
SOFTWARE CREDENTIALS

RECAPTURED PASSWORDS  
**1.38 BILLION**



**52 ACTIVE**  
INFOSTEALER FAMILIES

RECAPTURED PII ASSETS  
**32.22 BILLION**



**MACBOOK USERS**  
TARGETED BY BROADLY  
USED INFOSTEALERS

**4 ENTIRELY NEW**  
INFOSTEALER FAMILIES:  
ATOMIC STEALER, MYSTIC, EXELA,  
ATLANTIDA



**NEW DATA TYPES**  
SESSION COOKIES, CREDIT CARD  
INFO, API KEYS AND WEBHOOKS,  
CRYPTO ADDRESSES

