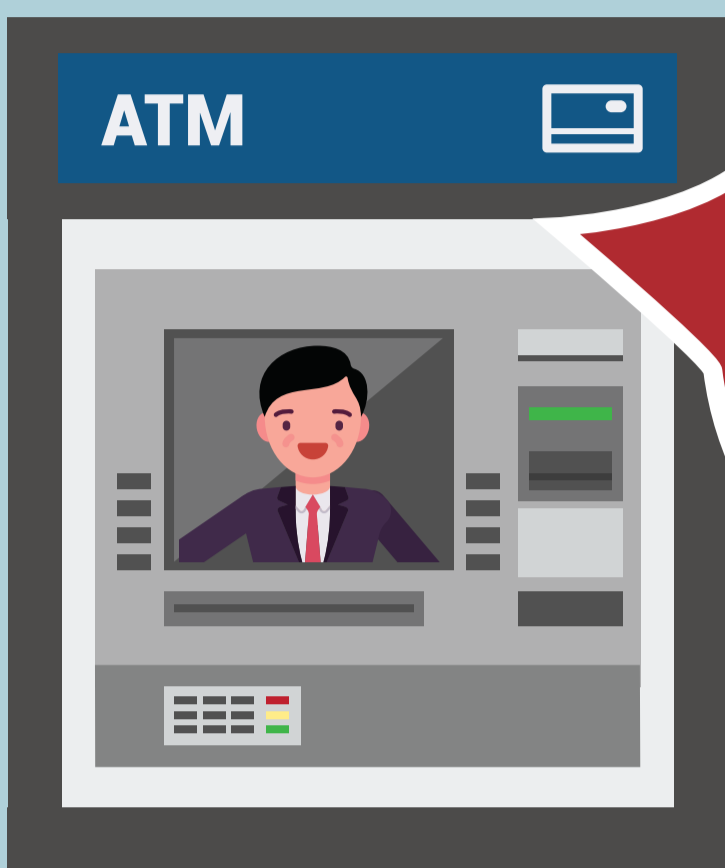


STATE of the INDUSTRY: ATM FRAUD



While ATMs are still relevant...



\$400K USD

withdrawn from worldwide ATMs per second

-NCR 2019



Can they withstand ATM fraud attacks?

41%

of issued cards worldwide do not have EMV capabilities

-EMVCO 2018

14/21

European countries reported ATM Card Skimming

-EAST 2018 Fraud Update

A \$13.5M USD TRUE STORY

BEFORE THE ATTACK: On August 10, 2018, the FBI warned that a global ATM cash-out scheme was about to occur

THE ATTACK: On August 14, 2018 a major Indian Bank was hit with a malware attack that created a proxy switch that approved all fraudulent withdrawals

THE RESULT: \$13.5 million USD was taken from automated teller machines across 28 countries



\$1 = \$2.92

Every dollar of fraud now costs banks and credit unions roughly \$2.92 in associated costs, a 9.23% increase over 2017

-LexisNexis Risk Solutions, 2018

While there remains

no silver bullet

in preventing ATM related fraud....

Real-time Suspicious Activity Monitoring is the best defense against APTs

Industry best practices suggest implementing a real-time, transaction-level monitoring solution that supports a combination of:

- multi-link data gathering
- rules-based alerting
- adaptive behavioral algorithms

