

Fraud Trends & Prevention Insights

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2018 Payments Fraud Themes

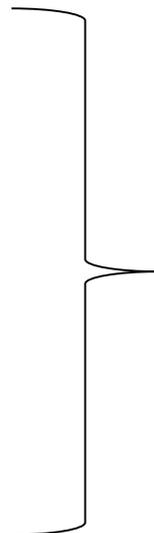
New record level of payments fraud

ACH sees increase in fraud

BEC* and sophisticated fraud

Larger organizations bigger targets for BEC

ACH sees big increase as target for BEC

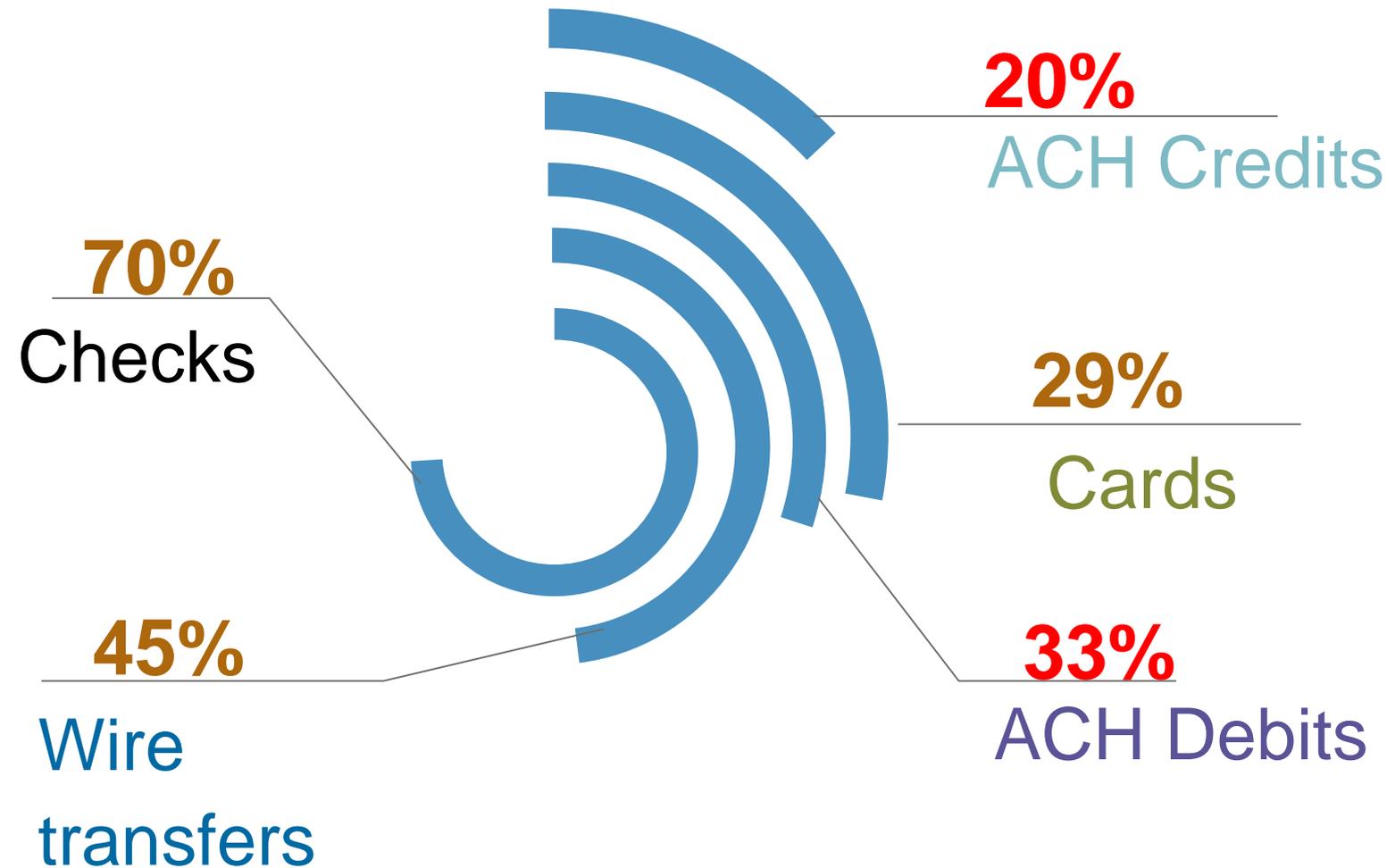


Phishing may be more of a problem than you think – Be Aware

Source: 2019 AFP Payments Fraud and Control Survey
*BEC: Business Email Compromise

Know your risk – fraud by payment method

Targeted payment method for fraud (% of organizations)¹



Checks

- Payment method most subject to fraud

Wires

- BEC most likely the cause

Cards

- Continues to decline

ACH Debits

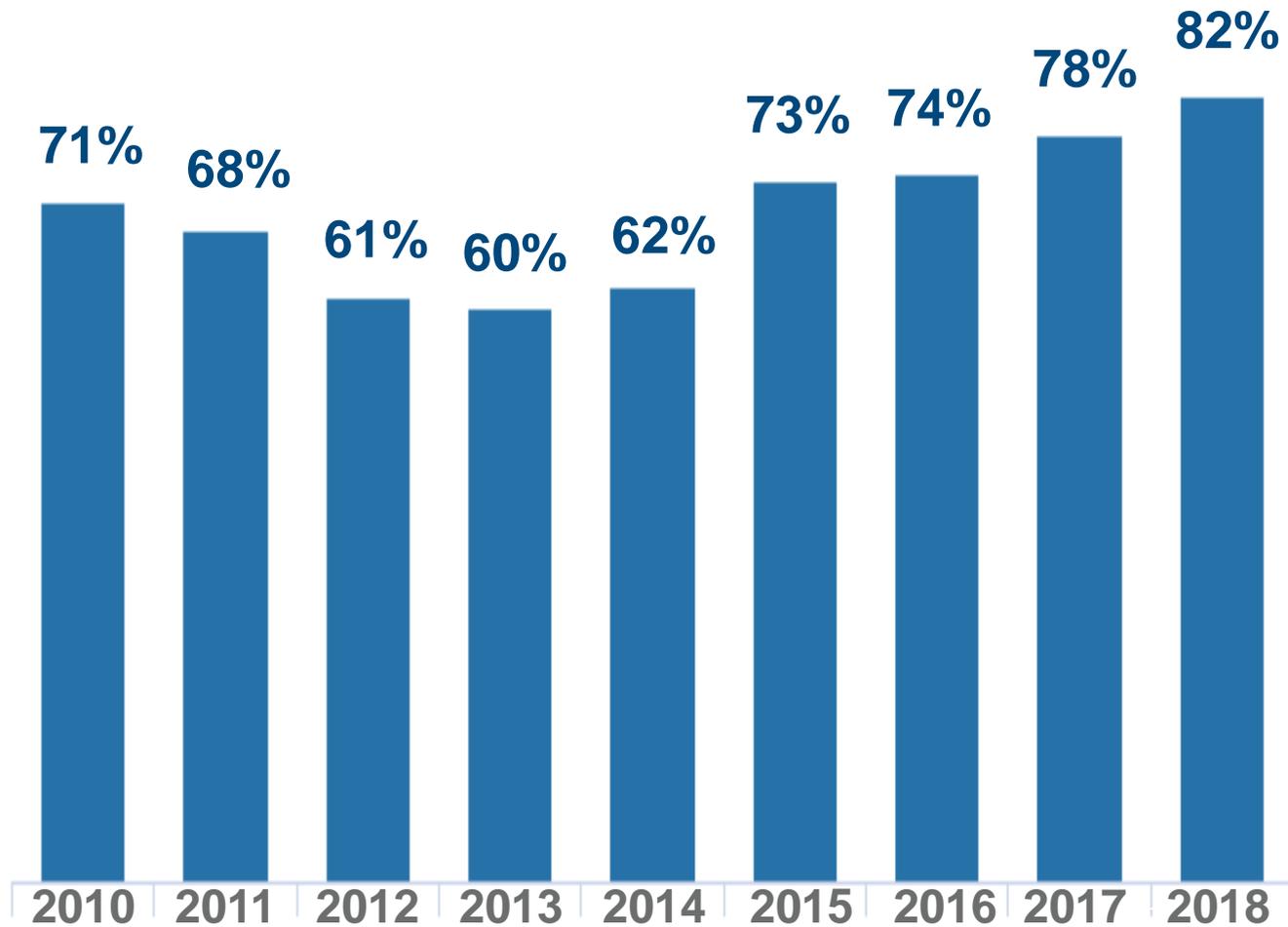
- Increased to record level

ACH Credits

- Dramatic increase compared to previous trend

¹ Source: 2019 AFP Payments Fraud and Control Survey

Payments Fraud Activity Surged in 2018



● Percentage of companies targeted by payments fraud

Experienced Payments Fraud Attacks in 2018

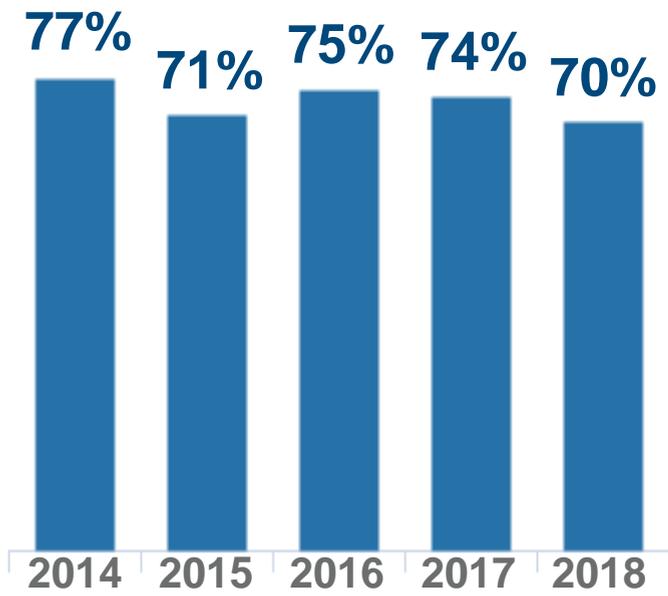
69%

Of businesses with annual revenue less than \$1 billion

87%

Of business with annual revenue at least \$1 billion

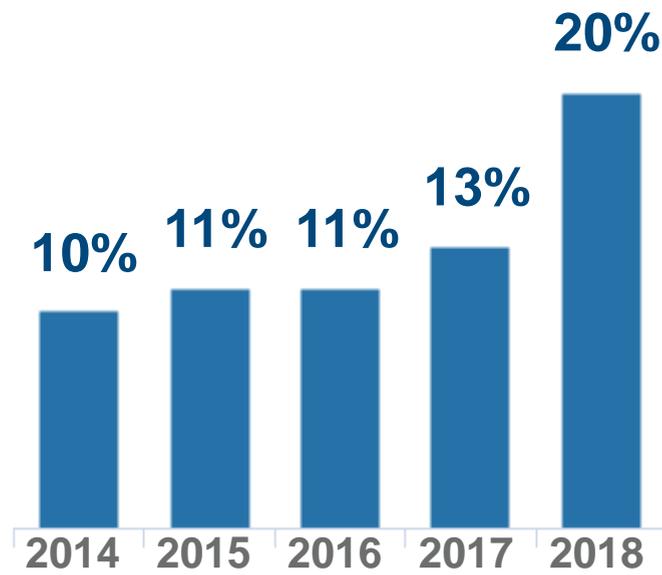
Check Fraud Drops Slightly but ACH Fraud Increases



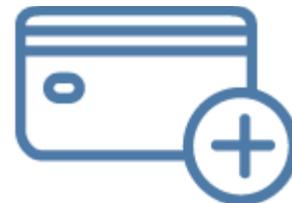
● Fraud by check



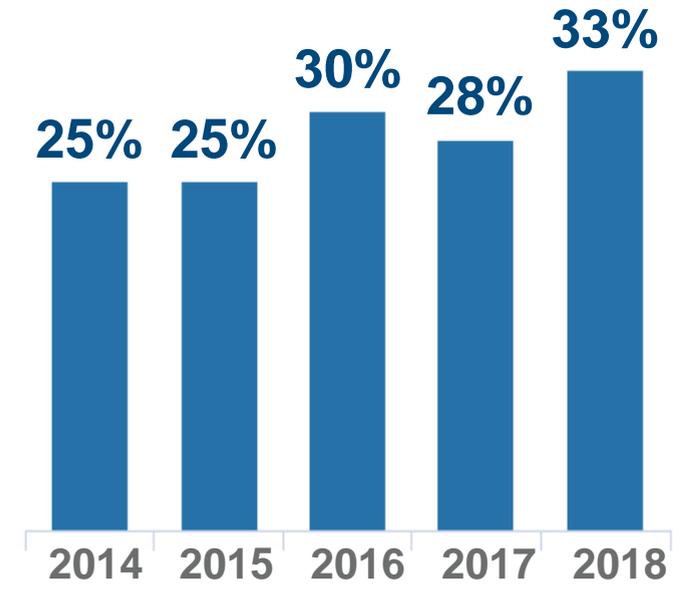
Check



● Fraud by ACH Credits



ACH Credits



● Fraud by ACH Debits



ACH Debits

Not all fraud is unauthorized: < 1/2% of fraud is unauthorized¹

Unauthorized Fraud

Challenges:

- Fraudster sends/pulls money out of victim's account
- Malware
- Data theft
- Social engineering

Recommendations:

- Monitor account activity
- Leverage channel access, device and location information
- Monitor for bots
- Use fraud solutions

Not all fraud is unauthorized: < 1/2% of fraud is unauthorized¹

Authorized Fraud

Challenges:

- Customer tricked into sending funds to someone other than intended recipient for a purpose they believe to be legitimate
- Social engineering

Recommendations:

- Educate, Educate, Educate
- Leverage strong payment and amount analytics
- Validate, validate, validate
- Think holistically
- Take a risk based approach

Email Scams Grow More Sophisticated

Survey respondents reported the following common BEC attacks:

81%

Spooferd
email
addresses

44%

Impersonate
vendors in
emails

33%

Pretend
third parties
in emails

- Business email compromise (BEC) targets businesses and individuals responsible for initiating payments.
- Eighty percent of organizations were exposed to BEC scams in 2018—the highest number on record.

How Organizations Are Defending Themselves

Ways financial professionals are protecting their companies include:

88%

Use Positive Pay to verify the authenticity of checks

68%

Perform daily reconciliation of check activity

72%

Segregate accounts

65%

Perform daily reconciliation of ACH debits

How organizations are protecting themselves (continued)

Check

- Positive Pay
- Payee Verification
- Reverse Positive Pay
- Reconciliation
- Post No Checks
- Check Encashment
- Check Print
- Stop Payments

ACH

- Transaction Review
- Debit Blocking
- UPIC
- VRN
- Account Owner Authentication

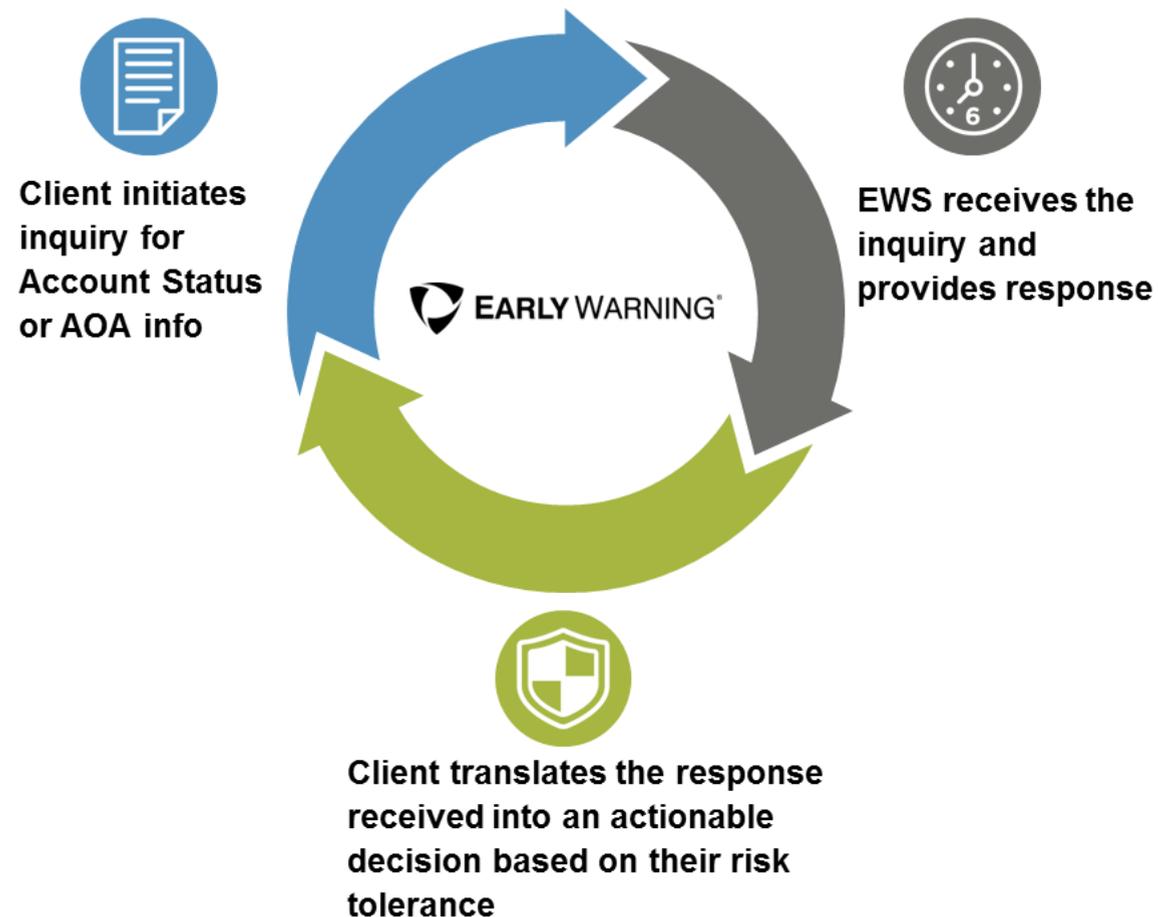
How organizations are protecting themselves

Business Email Compromise (BEC)

- No Payment Initiation from Email
- End-user BEC Education
- Verification Changes
- Two-Factor Authentication
- Phone Confirm Transfers
- Intrusion Detecting
- Color-coded Email
- Flag Email with Different Reply Address
- Penalties for Opening Phishing Emails

Fraud Protection Services: Account Owner Authentication

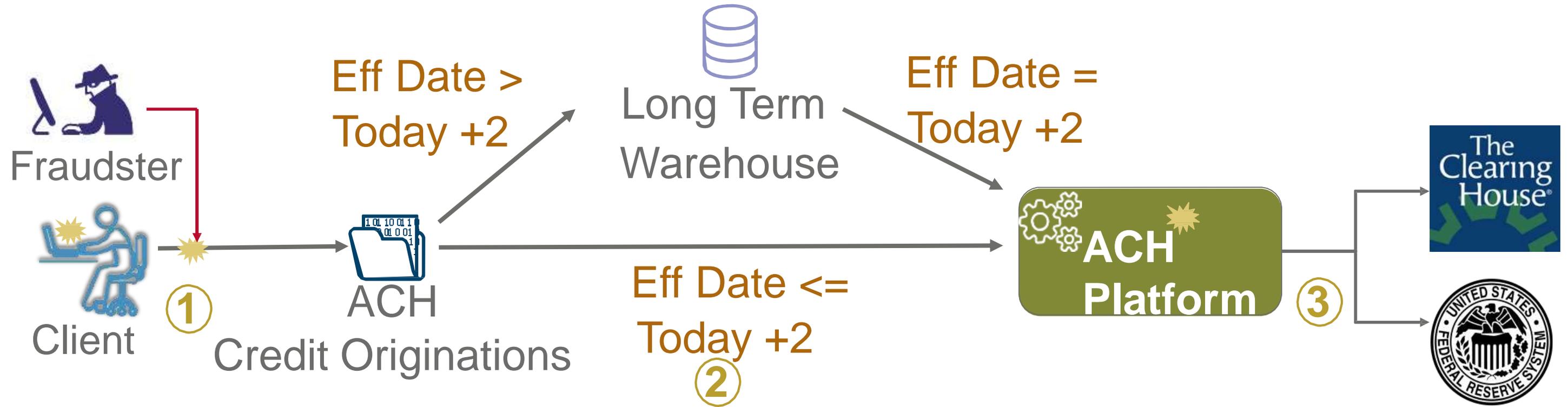
Early Warning Services



Provides answers real-time :

- Does the account exist (open/active)?
- What is the account's associated risk?
- Is the person authorized to transact on this account?
- What is the likelihood of the item being returned?
- Is the account a non-DDA Account?

ACH Fraud Monitoring - Traditional

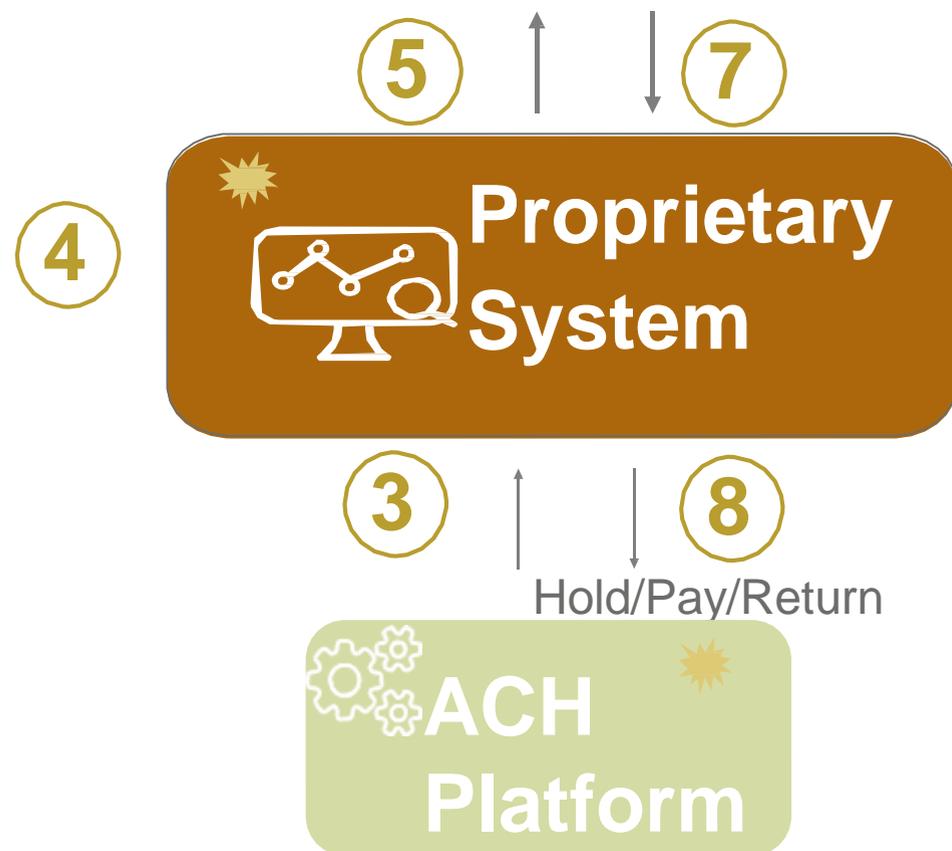
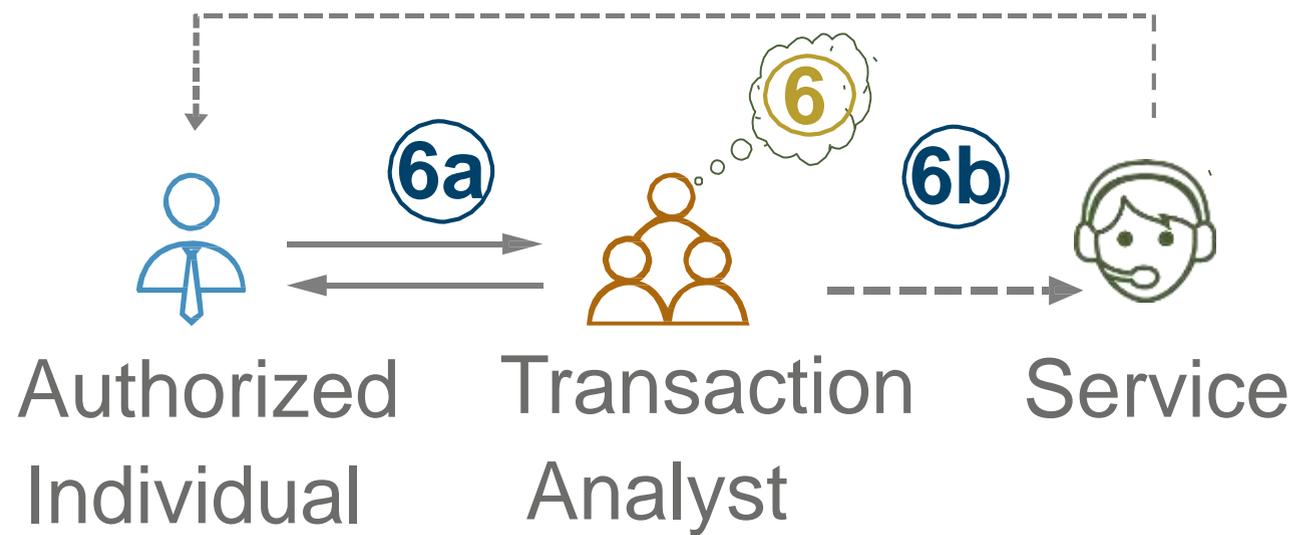


Steps

- ① ACH Transaction/Batch Initiated
- ② ACH sent to ACH Platform
- ③ Transactions sent for Processing

★ Fraud Mitigation Efforts

ACH Fraud Monitoring – Looking for unusual activity



- 3 ACH credit transactions are sent to proprietary System
- 4 System performs analytics on ACH credits
- 5 Sends unusual ACH credits to Analyst queue
- 6 Analyst reviews ACH credit transaction to decide:
 - 6a Review transaction(s) with Client
 - 6b Service engages Client to contact Analyst
- 7 Analyst sends decision to System
- 8 ACH Transactions are sent for processing

★ Fraud Mitigation Efforts

Questions

