

# Fraud Case Report — Cea0e78391cd0  
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#### ## Transaction

- txn\_id: T458010903
- user\_id: U1002 (grade=B)
- type: purchase
- status: approved
- amount: 3081.36 USD
- merchant: Online Electronics (mcc=5411)
- channel: card\_not\_present
- country: DE (home=GB)
- device\_id: D02000
- ip\_address: 10.0.2.178

#### ## Decision

- Decision: \*\*BLOCK\*\*
- Recommended action: High-confidence fraud: CNP + geo mismatch + velocity

#### ## Evidence

- Risk level: HIGH (score=80)
- Reasons: Card-not-present, Geo mismatch vs home, High amount  $\geq$  1000, High-risk merchant category
- User avg amount (last 80): 581.17
- Velocity proxy (15): 15
- User status counts: {'approved': 93, 'chargeback': 3, 'declined': 21, 'reversed': 3}
- User type counts: {'purchase': 23, 'subscription': 14, 'refund': 17, 'cash\_withdrawal': 16, 'transfer': 50}
- IP/device reuse top: [('U1002', 200)]

#### ## Rationale

- Risk HIGH (score=80).
- Geo mismatch relative to customer profile.
- Amount significantly above customer baseline ( $\geq 3x$ ).
- High velocity behavior consistent with burst activity.
- IP/device reuse pattern across multiple users is suspicious.