

Fraud Case Report — Cae5d1ef742f4

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Transaction

- txn_id: T520559665
- user_id: U1004 (grade=A)
- type: purchase
- status: approved
- amount: 2072.45 AED
- merchant: Online Electronics (mcc=5411)
- channel: card_not_present
- country: GB (home=AE)
- device_id: D04000
- ip_address: 10.0.4.102

Decision

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

Evidence

- Risk level: HIGH (score=75)
- Reasons: Card-not-present, Geo mismatch vs home, High amount ≥ 1000 , High-risk merchant category
- User avg amount (last 80): 497.23
- Velocity proxy (15): 15
- User status counts: {'approved': 97, 'reversed': 1, 'declined': 16, 'chargeback': 6}
- User type counts: {'purchase': 36, 'transfer': 37, 'subscription': 15, 'refund': 17, 'cash_withdrawal': 15}
- IP/device reuse top: [('U1004', 200)]

Rationale

- Risk HIGH (score=75).
- 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.