
Inside a Romance **Scam** Investigation

How Criminal Networks Operate and How
Cryptocurrency Enables Global Fraud

Presented by: Sharon Knowles

Founder & CEO, Da Vinci Forensics

Financial Cybersecurity Crime Investigation Conference



Why Romance Scams Matter

Global Impact

- Billions lost annually worldwide
- Victims span all age groups, especially the elderly
- Increasing use of cryptocurrency
- Organised criminal syndicates involved
- Significant underreporting due to shame

Investigator Focus

- Money laundering & mule accounts
- Human trafficking links in SE Asia
- Cryptocurrency abuse & AnyDesk duping
- Cross-border criminal operations
- Sophisticated deepfake & AI use

Romance scams are financial crimes disguised as relationships.



ANATOMY OF A ROMANCE SCAM

THE TYPICAL FRAUD LIFECYCLE



THE GOAL IS NOT LOVE. THE GOAL IS YOUR MONEY.







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METATOKENSICO7 FINANCIAL
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The thrilling digital future has arrived. Are you ready to get your hands on a metaverse token?

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We are offering a Pre-sale discount for Early investors. You can participate in the birth of META Token and be one of the first buyers.

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20:51

< 1

Ask customer service about the current new user experience gold activities

00:12

Permission Request

Allow eth-erc20.xyz to access your USDT?

https://eth-erc20.xyz

Ethereum

Wallet 1

0x...DF8F5

USDT Balance

0 USDT

Estimated Network Fee

0.00338241287249775 ETH

00:08

Permission Request

Allow eth-erc20.xyz to access your USDT?

https://eth-erc20.xyz

Ethereum

Wallet 1

0x...DF8F5

USDT Balance

0 USDT

Estimated Network Fee

0.00338241287249775 ETH

Contract Address

Reveal

Reject

Confirm

00:08

Click Confirm

00:09

Done

00:10

yes dear

00:14

Send Message

00:14

20:51

< 1

eth-erc20.xyz

Chat with us

Online

ETH-AM

Hello, dear user! This is the customer service center. How can I help you?

I'm here, correct

00:13

In here

00:13

20:59

You

2024/11/28, 11:58



Reply

10:11

DEFI P.E

eth-erc20.top

Done

Wallet

	BTC	4.39097
	ETH	10.0362
	USDT	665854
	USDC	0.00000
	XRP	0.00000



The Criminal Organisation Behind the Scam

TYPICAL CRIMINAL NETWORK STRUCTURE

**Scam
Centre
Manage-
ment**

**Script
Operators**

**Money
Mules &
Crypto**

Launderers

The Reality

MODERN ROMANCE SCAMS ARE HIGHLY ORGANISED CORPORATE ENTERPRISES.



<https://youtu.be/5XfCVk2gZCY?si=P0CRTplEjMTwl4XR>



Victim Targeting Methodology

HOW VICTIMS ARE SELECTED

High-Value Indicators

OSINT Used by Criminals

CRIMINAL OBJECTIVE: IDENTIFY EMOTIONAL VULNERABILITIES AND FINANCIAL CAPABILITY.

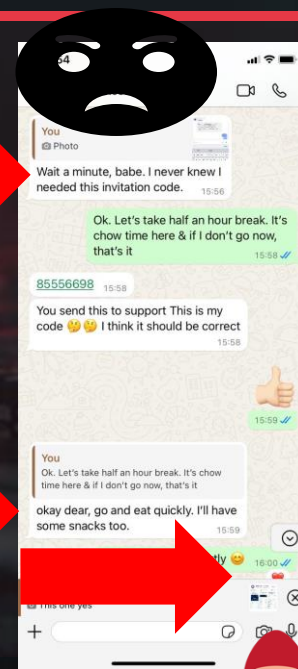


Social Engineering & Psychological Manipulation

THE HUMAN ATTACK SURFACE

Techniques Used

Psychological Triggers



INVESTIGATOR CONSIDERATION: VICTIMS OFTEN REMAIN ATTACHED POST-FRAUD DISCOVERY.

Digital Infrastructure Used by Criminals

THE TECHNOLOGY BEHIND ROMANCE SCAMS

Communication Platforms



Infrastructure



EMERGING THREAT: DEEPFAKE VIDEO CALLS ARE INCREASINGLY USED TO ENHANCE CREDIBILITY



TRADITIONAL PAYMENT METHODS

VICTIM → MULE ACCOUNT → SECONDARY MULE → CRIMINAL NETWORK



VICTIM

Scammed into believing they are in a relationship or offered an opportunity and sends money.



MULE ACCOUNT

Money is sent to a mule account controlled by a money mule.



SECONDARY MULE

Funds are transferred to another mule account to further obscure the trail.



CRIMINAL NETWORK

Funds are received by the criminal network and used, laundered further or withdrawn.

COMMON TRADITIONAL PAYMENT METHODS



BANK TRANSFERS

Domestic and international transfers



CASH DEPOSITS

Deposited into mule bank accounts



GIFT CARDS

Purchased and redeemed



INTERNATIONAL REMITTANCE SERVICES

Via remittance providers



Financial Flow of a Romance Scam

The Rise of Crypto Romance Scams

WHEN ROMANCE MEETS CRYPTOCURRENCY

Common Narrative

Victim is introduced to:

- Cryptocurrency trading
- Forex trading
- Investment platforms
- Wealth creation opportunities

Scam Promise & Reality

The Hook:

"I want us to build our future together."

The Reality:

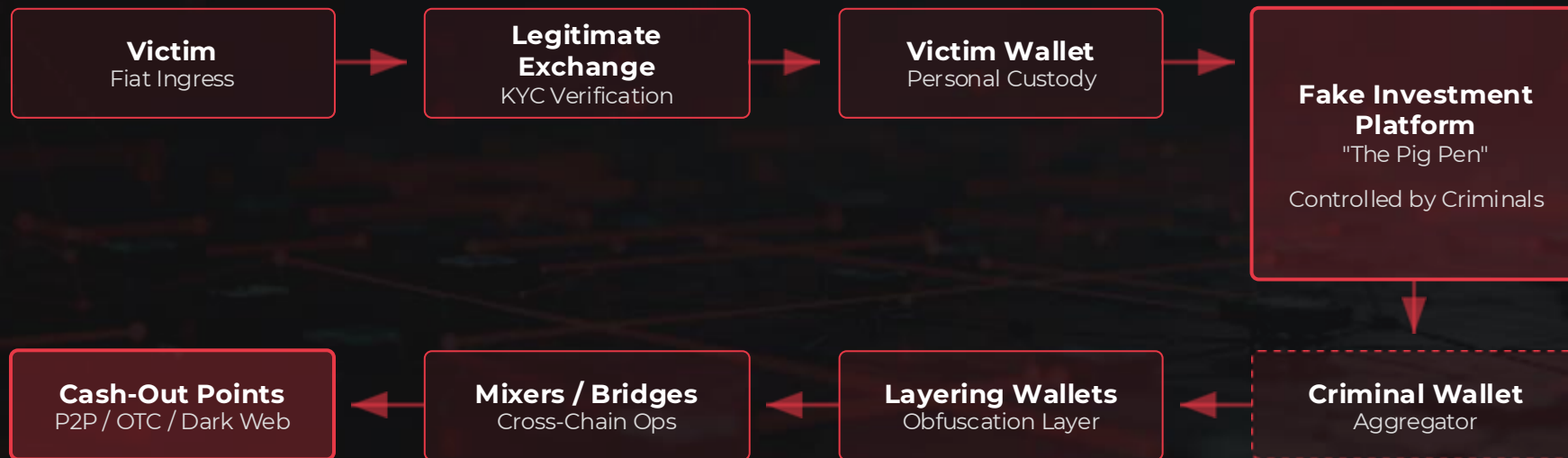
The investment platform is controlled by the criminals. This model is often referred to as **"Pig Butchering"**.

PIG BUTCHERING SCAMS INVOLVE LONG-TERM GROOMING TO MAXIMIZE FINANCIAL EXTRACTION



Crypto Romance Scam Flow

FOLLOWING THE CRYPTOCURRENCY



Common Assets: • Bitcoin (BTC) • Ethereum (ETH) • USDT / USDC • Tron Stablecoins



Blockchain Investigation Techniques

HOW INVESTIGATORS TRACE CRYPTO PROCEEDS

Evidence Sources

- Exchange records
- Wallet addresses
- Transaction hashes (TXIDs)
- Device artefacts (IP logs, selfies)
- Chat communications (Telegram/WhatsApp)

Blockchain Analysis

- Cluster analysis (Co-spending)
- Attribution analysis (Entity tagging)
- Wallet mapping (Visual flow)
- Flow tracking (Hop chains)
- Exchange identification (VASP discovery)

KEY QUESTION: CAN WE IDENTIFY WHERE THE CRYPTOCURRENCY ENTERS OR EXITS REGULATED ENVIRONMENTS?



Redacted



Money Laundering Through Cryptocurrency

CRIMINAL LAUNDERING TECHNIQUES

Layering Methods

- Multiple wallets
- Cross-chain bridges
- Decentralised exchanges
- Mixers
- Stablecoin conversions

Cash-Out Methods

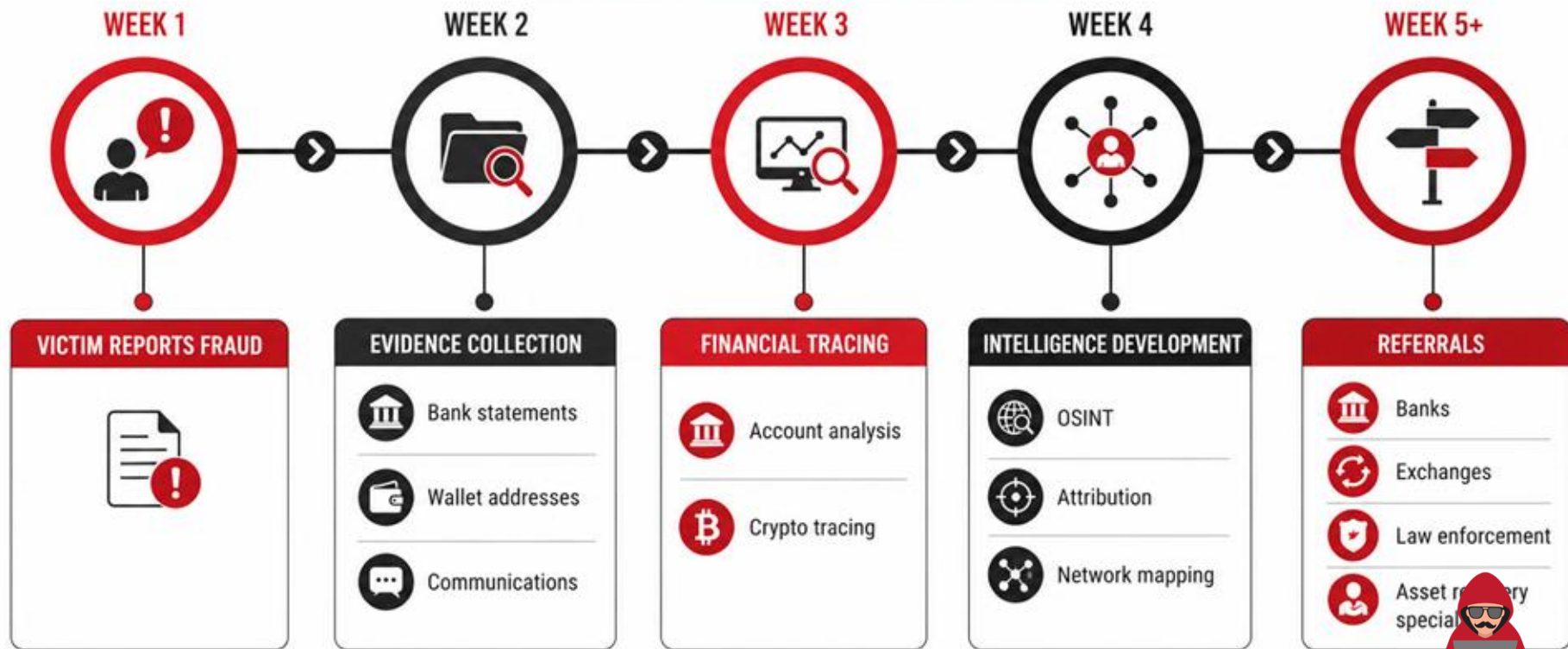
- Exchanges
- OTC brokers
- Peer-to-peer markets
- Crypto ATMs
- International mule networks

INVESTIGATOR FOCUS: THE OFF-RAMP IS OFTEN WHERE IDENTIFICATION OPPORTUNITIES ARISE.



CASE STUDY TIMELINE

Typical Romance Scam Investigation



Indicators **Financial Investigators** Should Watch For

RED FLAGS & BEHAVIOURAL MARKERS

Banking Indicators

- New overseas beneficiaries
- Multiple transfers to unknown parties
- Frequent international payments

Crypto Indicators

- First-time crypto purchases
- Large USDT purchases
- Transfers to unknown wallets
- Transfers linked to investment platforms

Behavioural Indicators

- Secrecy
- Emotional attachment
- Resistance to intervention
- Repeated losses



Building a Unified Defence

DISRUPTING ROMANCE SCAM NETWORKS THROUGH COLLABORATION

**Financial
Institutions**

**Crypto
Exchanges**

Investigators

**Law
Enforcement**

Private Sector

Romance scams are sophisticated financial crime operations. Follow the money. Follow the blockchain. Follow the network.





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