

# Behavior-Based Security for the Next Billion On-Chain Users



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# 60 Seconds to Zero

- T+0s** Token deployed
- T+3s** 5 wallets buy in same block (**bundled**)
- T+8s** 12 more wallets buy within 10 seconds
- T+15s** Developer wallet receives tokens
- T+30s** Social media links posted
- T+45s** 50+ retail buyers enter
- T+60s** **Liquidity pulled. \$500K gone.**

**89 wallets affected**

**By the time users checked, it was over.**



# The Problem: Reactive Security Can't Prevent or Predict

Security Type	Approach	Detection Time	Result
Reactive	User reports	Hours to days	Full loss
Reactive	Blacklist updates	Hours	Full loss
Reactive	Post-exploit analysis	Days	Forensics only
Proactive	Behavioral analysis	< 60 seconds	Prevention

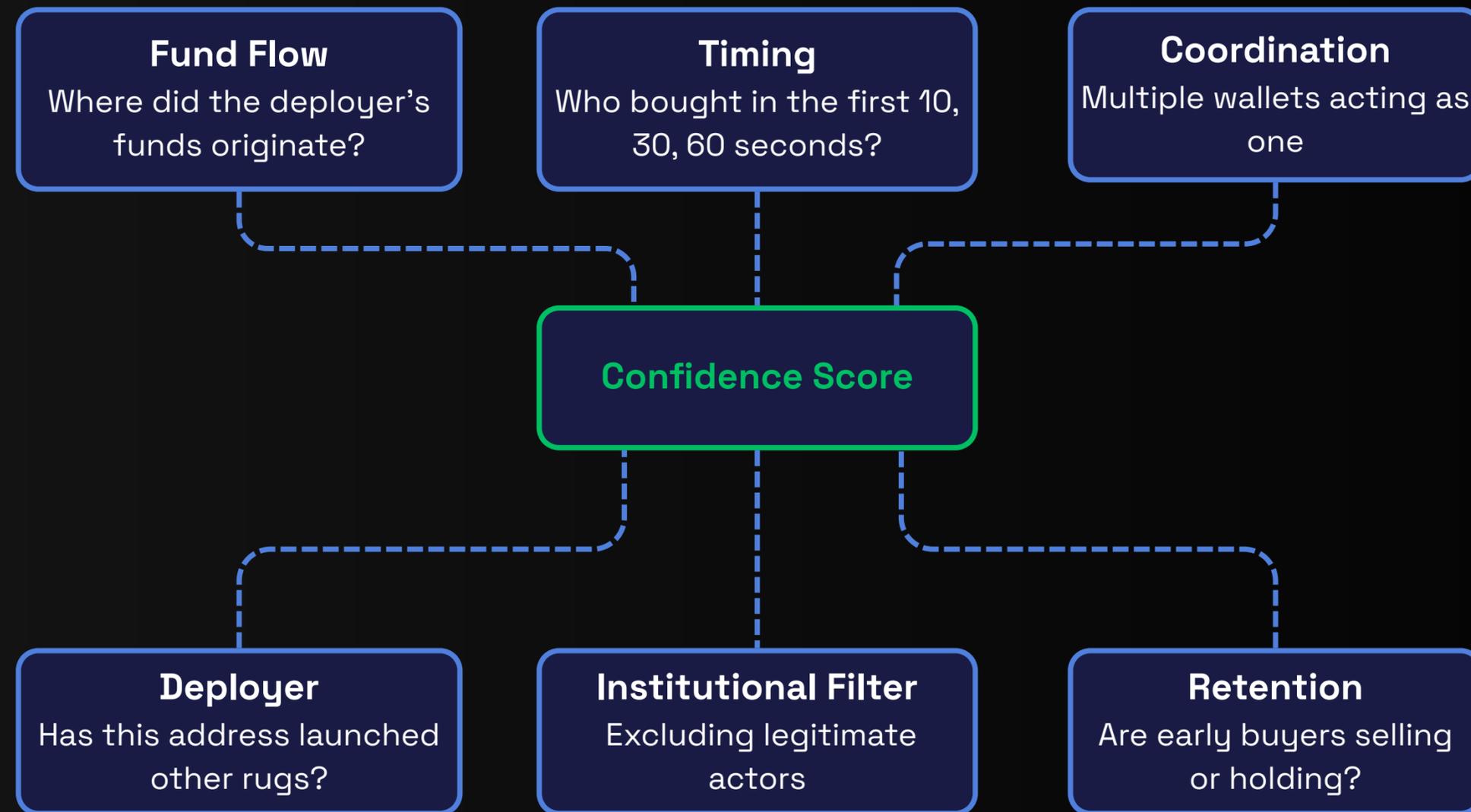
Average rug pull: < 2 minutes

10,000+ tokens/day on Solana

First user report: > 30 min

“What if we looked for evidence of intent instead of evidence of harm?”

# The Behavioral Framework: 6 Signals of Malicious Intent

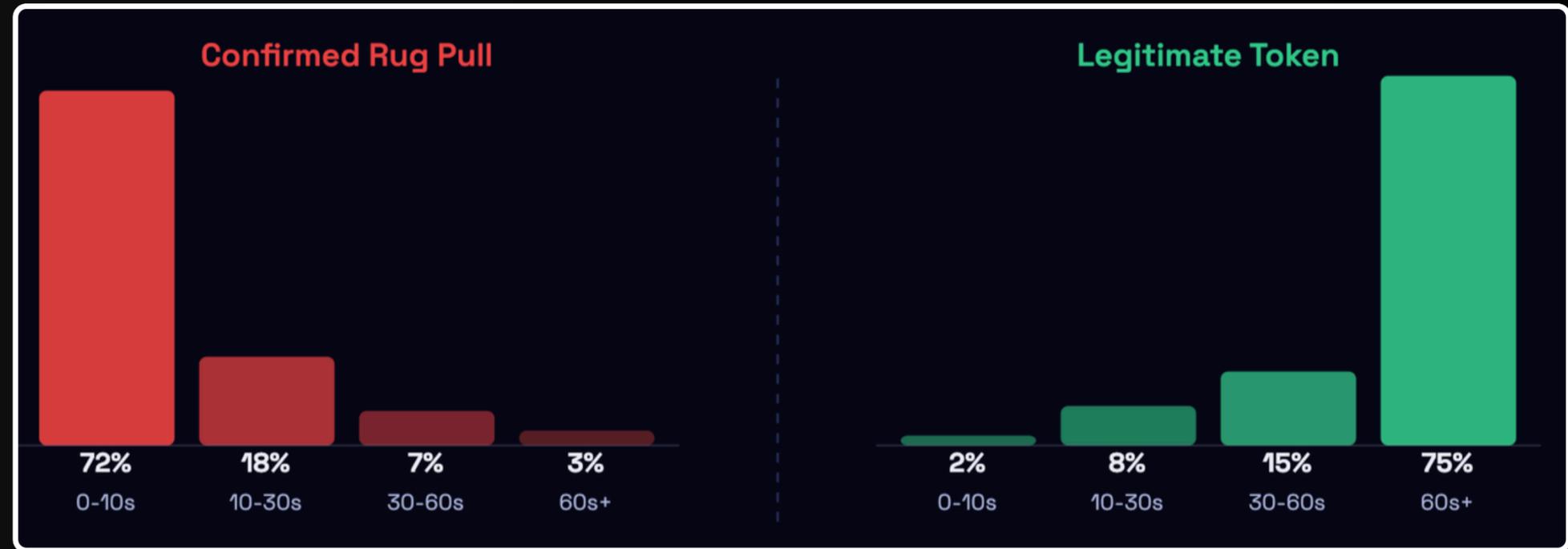


"Each signal alone is suggestive. Combined, they're predictive."

# Signals 1: Timing Analysis

When did buyers enter relative to deployment?

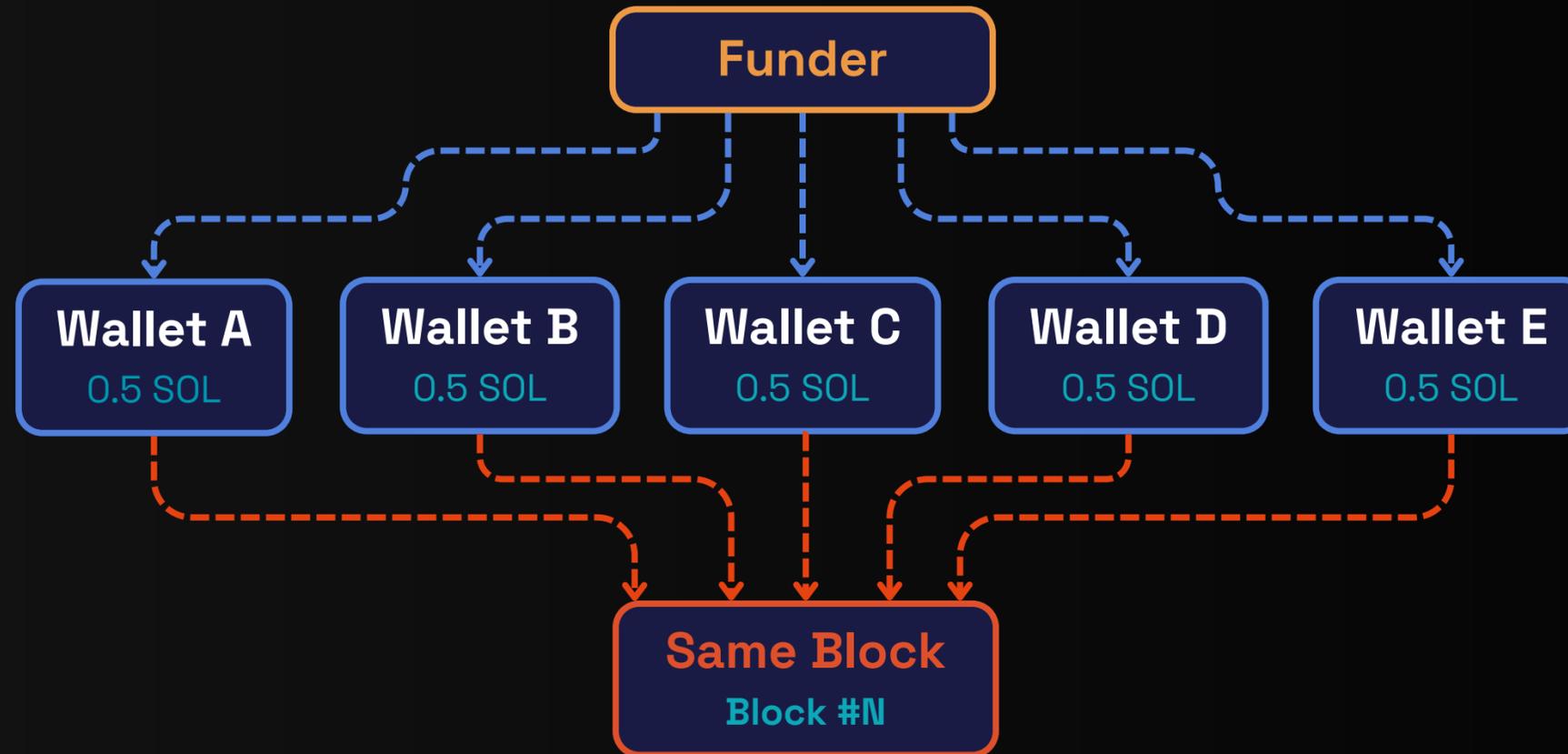
Window	Behavior	Signal Strength
0-10s	Impossible for humans	Very High
10-30s	Requires monitoring tools	High
30-60s	Suspicious speed	Medium
60s+	Could be organic	Low



Across 1,200+ analyzed rugs, 78% had 5+ buys within 10 seconds of mint

# Signals 2: Coordination Patterns

Are multiple wallets acting as one?



92% of confirmed rugs had 3+ same-block buyers

Avg coordinated wallets per rug: 8

5 wallets. Same funder. Same block. One attacker.

# Signals 3: Deployer Profiling

How many tokens has this address launched?

Tokens in 24h	Risk Level	Interpretation
1	Low	Normal Project
2-3	Medium	Possible Testing
4-10	High	Suspicious Pattern
10+	Very High	Likely serial attacker

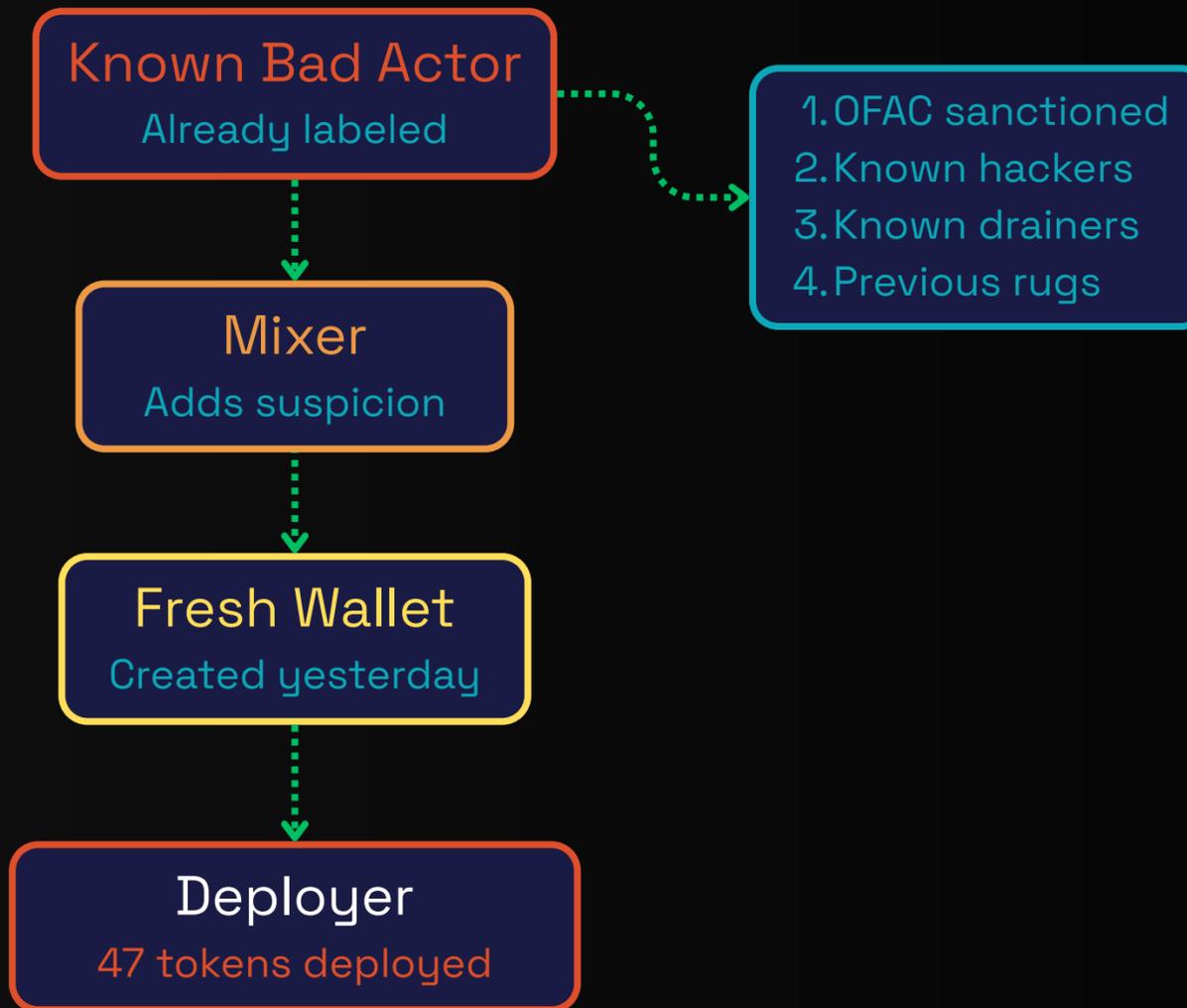
Serial deployers (10+/day) account for 67% of rugged tokens

Avg deployer of rugged token: 14 tokens in 24h

”Legitimate projects deploy 1-2 tokens. We’ve seen attackers launch 50 in 24 hours.”

# Signals 4: Fund Flow Tracing

Where did the deployer's funds originate?



41% of rug deployers received funds through mixers or freshly-created wallets

# Signals 5 + 6: Retention Analysis + Filtering

## Retention Drop

Are early buyers holding or dumping?

**45%**

held by first 50 buyers at launch



**12%**

Held 5 minutes after launch

**8** OF 50 buyers still holding

5 coordinated wallets entered

Only 1 still holds

## Noise Removal

Some fast buyers or holders are legitimate so we filter them out

False positive rate

**15%** → **<5%**

Excluded from analysis:

Exchange hot wallets

Launchpools

Bridge

DEX aggregators

# What You Can Build

**Depeg Risk Monitor**  
Stablecoin Monitoring

Symbol	Name	Chain	Currency	Score	Trend	Liq	Tier	Price	Peg	% Off	Address
ustbl	Spiko US T-Bills Money Market Fund	arb	USD	50			watch	\$1.0731	\$1.0000	7.31%	0x021289588cd81dc1ac87ea91e91607eef
usda	Angle Protocol: agUSD Token	arb	USD	50			watch	\$0.9464	\$1.0000	5.36%	0x000206329b97db379d5e1bf586bbdb96
knox	KNOX Dollar	arb	USD	50			watch	\$1.0720	\$1.0000	7.20%	0x0bbf664d46becc28593368c97236faa0f
ssuperusd	SuperReturnsSuperUSD	arb	USD	50			watch	\$1.0639	\$1.0000	6.39%	0x139450c2dcef827c9a2a0bb1cb5506260

**Safety Score** ♥ 111

**Overall Risk Score** ⓘ

**100**

Found 2 High Risks & 1 Medium Risk:

- ⚠ Total Ownership Centralization (Holders)
- ⚠ Fake Token
- ⚠ Unlocked Liquidity

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**Etherscan**  
Exposure & Contract Risk Scoring

**Revoke.cash**  
Approval Risk Flagging

Asset	Type	Approved Amount	Value at Risk	Approved Spender	Last Updated	Actions
<input type="checkbox"/> <b>Revoke Selected</b>						
<input type="checkbox"/> <b>USDC</b> 0 USDC (\$0.00)	Token	2,134,234.234 U...	\$0.00	0xdC9524...7F3185	03/03/2024 01:30:47 AM	<a href="#">Revoke</a>

This token approval is high risk for these reasons:

- ⚠ Dangerous or malicious (reported by [Webacy](#))

**Mintify**  
Wallet Risk Widget

**Low** Wallet Risk

**Webacy x Mintify**

We've partnered with Webacy to get you a free risk exposure report. [Learn More](#)

**12+ chains • Pre-transaction defense • <200ms • Real-time**

# Detect Before They Exit

- 01. Timing Analysis - When did they buy?
- 02. Coordination Patterns - Are they acting together?
- 03. Deployer Profiling - Who deployed this?
- 04. Fund Flow Tracing - Where did the money come from?
- 05. Retention Analysis - Are they holding or exiting?
- 06. Institutional Filtering - Removing false positives

Six signals. Combined, they're predictive.  
What will you build with it?

## OUR PARTNERS



# Thanks!



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