Understanding Sensor Network

Caller ID Reputation®

What Happened?

- **Detection:** Our sensor network, which monitors thousands of dedicated phone numbers (all listed on the Do Not Call registry), identified a call event from your phone number.
- **Potential Issue:** The call may have involved numbers associated with honeypot networks.

Although the data does not conclusively prove improper activity, it raises concerns that need to be addressed.

Why This Matters

- **Certificate Verification:** Some calls are authenticated using the STIR/SHAKEN protocol, which includes details such as the certificate used, attestation level, and other metadata (timestamp, transcript, recording, etc.). Discrepancies here can indicate issues like number spoofing.
- **Carrier Impact:** Continued calling of honeypot numbers may lead to your number being flagged by wireless carriers, potentially affecting your reputation and call labeling.

Recommended Actions

1. Call Verification:

Please use our call tester at your earliest convenience. We will compare the certificate used to sign your current calls with the one recorded in our sensor network. This will help us confirm whether the calls are genuinely originating from your number or if there might be an instance of number spoofing.

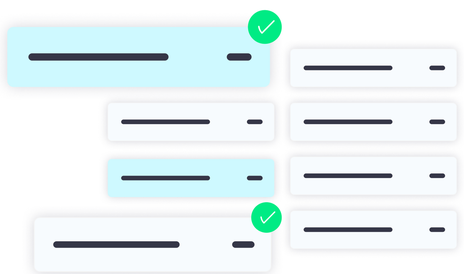
2. Data Review:

Review the data and phone numbers you are calling. Ensure that the contacts are valid and not inadvertently part of a honeypot network (e.g., Verizon honeypots). Tools such as Dial Right can be helpful for double-checking the numbers.

3. Avoid Honeypots:

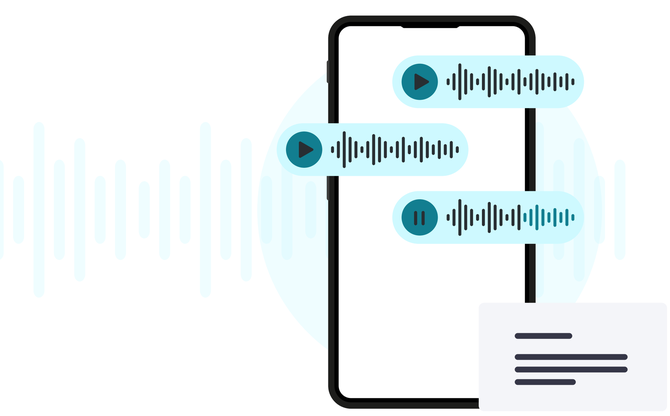
If you continue to contact honeypot numbers, your phone number will remain flagged, which could lead to additional labeling issues with wireless carriers. It’s crucial to verify your contact lists to prevent further occurrences.

How CIDR Sensor Network Works



Dedicated Numbers:

Caller ID Reputation manages thousands of dedicated phone numbers that have never been previously assigned or allocated.



Data Collection:

When a call (from a human or a robocall system) is received, our system engages the caller, records, and transcribes the interaction, capturing comprehensive call data.

Authentication:

The call data includes fields such as Sensor Timestamp, Sensor Violation, Sensor Signer, Sensor Transcript, Sensor Recording, Sensor Certificate, and Call Attestation. This detailed information helps us monitor call activities, identify potential fraud, and mitigate unwanted calls.

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