We’re Scam Protection Plus Much More

We provide transparency in communication, enhance the call experience, and empower people to trust their phones again.

First Orion Evolution

1st Generation Scammers make 1000s of calls from a single number. Determining number reputation is simple.

2nd Generation Scammers increase rotation of numbers. Number reputation assessed thru in-network data volumes and speed.

3rd Generation Scammers rotate numbers per call (e.g. “Neighborhood spoofing”). They infiltrate traffic at epidemic volumes, so assessing number reputation becomes obsolete.
Complete Call Transparency

- SCAM/Fraud Identification + Call Categorization
- Outbound Call Protection
- Calling Name (AccuName & Enhanced AccuName)
- STIR-SHAKEN + KMS
- CallPrinting™

Engage
Inform

Careful… Possible Scam
First Orion collects and analyzes billions of disparate data points, distilling that data for decisioning phone calls

- We use machine learning and time series analysis to identify discriminating features and anomaly behavior
- Scam and spoof identification uses a combination of real-time analytics and artificial intelligence
- Offline and real-time analytics
- Manual and self-correcting models
- We continuously research scammer and spoof methodologies and changes
Enables carriers to easily launch STIR / SHAKEN with the ability to add a suite of solutions that drive revenue and deliver enhanced communications services for consumers and enterprises.
Observations

• Run-rate of ~1 BILLION scam calls detected per month

• During the week roughly:
  ▪ 27% scam
  ▪ 15%-18% spam

• During the weekend, the numbers drop significantly:
  ▪ 10% scam
  ▪ < 3% spam

• Even when a call is tagged as possible scam, people answer anyway and *get scammed*

• Even when a call is tagged as possible scam and the call is not answered, people call the number back and *get scammed*

• Enterprise spoofing
Analytics Engine – Observations

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