subex
New Possibilities. Now Possible.

SIP Security

The global VoIP market is growing significantly with the increasing penetration of VoITE networks, the surge in VoIP traffic, etc. This has led to Session Initiation Protocol (SIP) becoming a de-facto protocol for voice-over IP (VoIP) communication. SIP is an application layer protocol for creating and terminating sessions with one or more participants.

As SIP-enabled services and devices continue to become more widely used, there is an increasing need to prioritize safeguarding the assets against undesirable exploitations and attacks. Due to its open architecture, SIP-enabled services are vulnerable to various types of threats and attacks. The need of the hour is to have a more dynamic fraud detecting and preventing mechanism that goes beyond the SBCs and firewalls.

Subex's SIP Security solution protects the network from outside attacks and abuse before they cause any damage to the network or your subscribers with our multi-layered security mechanism, which comprises signatures, heuristics, and machine learning techniques to prevent such attacks. Some of the main fraud and security attacks addressed by our solution*:

01 **CLI Spoofing**

02 **Early detection of IRSF**

03 **PBX/IP PBX Hacking**

04 **SIP Register Flood Attack**

05 **Wangiri Fraud**

06 **Malicious User Agent Attacks**

07 **A-number Refiling**

Scan here to learn more

For more information write to info@subex.com

Regional offices: Dubai | Ipswich

Features

Multi-Tier Detection
Our solution combines a 3-tier strategy - Signatures, Heuristics, and Machine Learning to detect vulnerabilities.

Proactive & Self-learning Capability
Our solution's Machine-Learning and automated attack surface identiication is a perfect solution designed to secure the network from new and unidentiied potential risks and zero days.

Stateful System
Being stateful in nature, our solution has the capability to tear down the call in a particular state of the call.

Agentless and Non-Intrusive
Our solution does not require agents to be deployed at endpoints. The solution is non-intrusive, requiring no updates to the existing ecosystem.

Intelligent Anomaly Detection
Our solution's anomaly detection algorithms enable the early detection of unknown patterns, avoid false positives, and improve the accuracy of alarms.

Active Threat Intelligence
Our solution provides threat intel sourced from Subex's global honeypot network with over 400 different architectures and 4000+ devices in over 66 different locations worldwide.

Business Benefits

Minimal Fraud Run-time
Detects any form of threat in the signaling setup and tears down such attempts before the transaction is set up, thus reducing fraud run-time drastically.

Positive Brand Image
Safeguards customers from attacks, reduces customer churn, improves customer experience, thus helps build a positive brand image.

Comprehensive Threat Coverage
Increases threat coverage across various services and network layers with active threat intelligence and focused threat libraries.

Increased Accuracy
Decreases false positives significantly with AI/ML models, thus increasing accuracy.

Quick ROI
Ensures quick returns for your investments with rapid depOoyment and swift commencement.

Future-Proof Network Against Next-Gen Frauds
Our solution is equipped with an anomaly engine capable of identifying unknown unknowns, making it future-ready.

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