Subex IoT Security

Flood of Security Threats in IoT

With the advent of IPv6 and the wide deployment of Wi-Fi networks, IoT is growing at a fast pace, and researchers estimate that by 2020, the number of active wireless connected devices will exceed 40 billion. As a consequence of this, attacks on IoT devices are growing exponentially. In 2015, there were numerous cases of IoT hacks ranging from hackers remotely controlling connected cars to turning off vital devices such as pacemakers. Given that over 70% of the devices are susceptible to vulnerabilities, industry acknowledges the concern on IoT security.

Importance of IoT Security

Compromises in IoT security can lead to severe repercussions, with some being life threatening. Securing a network of connected devices is no longer an option, but a necessity. IoT vulnerabilities impact your Customer, Device and Brand.

Customer: A recent study shows that 90% of devices collect personal information. This means that the privacy of the customer is at risk in the event of an attack. IoT hacks in most cases are control breaches where devices are hijacked remotely, that can lead to life threatening scenarios for your customers.

Device: IoT attacks can render many devices inoperable or induce defects that may cause them to function in a manner that was not originally intended. In many cases,

fixing these devices is either extremely expensive or is not possible.

Brand: The biggest impact from IoT attacks would be on the brand of the business. While some of the damages in other aspects can be fixed, harm caused to a brand is often irreparable. Considering that attacks can lead to compromise of sensitive information, there can be legally bound monetary implications of such attacks as well.

Subex IoT Security Solution

Subex IoT Security Solution is a real-time, proactive, affordable and scalable security solution designed to protect your customers, brand and devices from security breaches.
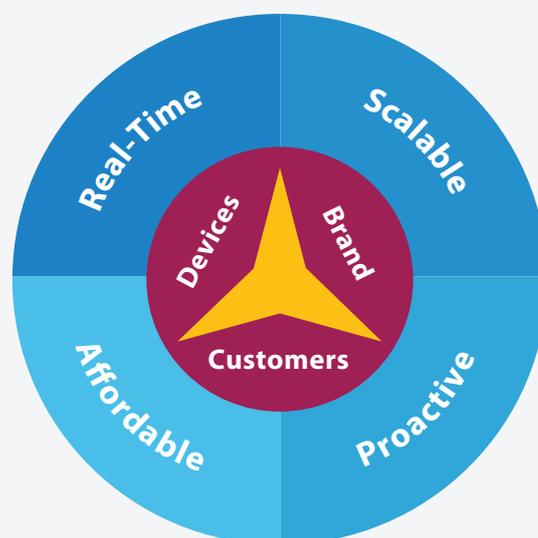

Scalable: Our solution enables you to secure your growing device ecosystem.

Affordable: Our solution provides you flexible pricing options that are tailor made to suit your business needs.

Proactive: Our solution incorporates technology that stays up-to-date and keeps you ahead of emerging security threats.

Real-time: A near real time security threat detection and notification solution.

Solution Architecture
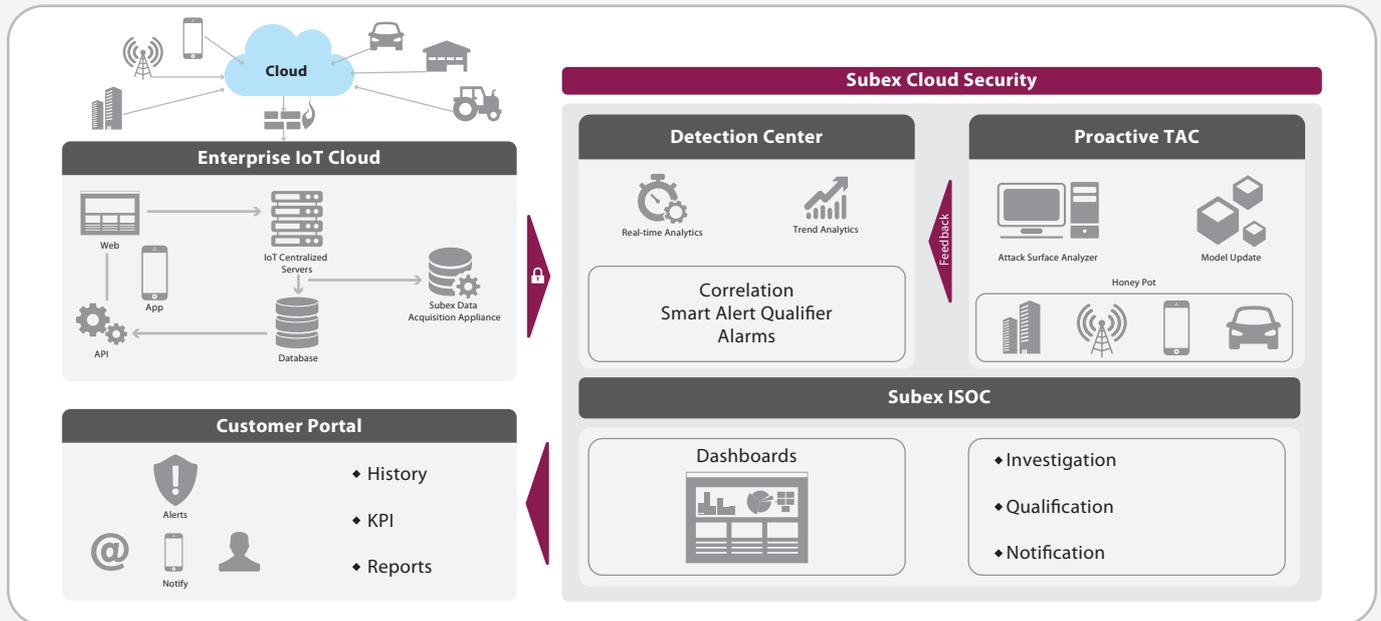
- An industry proven and recognized state of the art security solution.
- Detection engine that incorporates both 'Real Time & Trend Analytics' capable of adapting to new & emerging threats in IoT.
- Patent-pending technologies to correlate and reduce false positives.
- Network of honeypots monitored by security research professionals, updating signatures at regular intervals.
- Global security operations providing 24X7 threat analysis and notifications.
- Dashboard and analytics providing real time threats and compliance reports.

Coverage		
Services	Service disruption, Premium SMS/Call fraud, SMS/Email Spam, Wangiri
Assets	Network Intrusion, DDoS, IP Reputation, Signaling Flood, NW A/C takeover
Consumer	Identity theft, Spoofing, Device control, MITM, Data theft

Why Subex IoT Security Solution

- Agentless solution catering to devices that have limited resources to protect themselves
- No device patching required
- A true IoT scale solution capable of monitoring billions of devices
- Exhaustive compliance reports to meet your audit needs
- Cost-effective solution that minimizes device and operational expenses

About Subex

Subex Limited is a leading global provider of B/OSS that enables CSPs to deliver enhanced service experiences to customers. We have over **2 decades of Fraud & Security experience**, and our world-leading **ROC platform** is capable of handling data loads running into **billions of records each** day.

Subex's customers include 39 of top 50 telecom operators* and 7 of the world's 10 Largest# telecom companies worldwide. The company has more than 300 installations across 70 countries

The wide range of outcome driven **Managed Services** engagement options we have, make us the right partner for your IoT security needs. Write to us at **info@subex.com** to understand how we can add value to your business.

*Total Telecom Top 500 Telecom Brands, 2013
#Forbes' Global 2000 list, 2014