



BE THERE FIRST



# iBASIS FRAUDLOCK iQ360™ INBOUND



iBASIS FraudLock iQ360™ Inbound services protect traffic received from your customers or international carriers terminating on your network. FraudLock Inbound is a solution that benefits from years of experience fighting fraud.

iBASIS combines leading capabilities in carrier-to-carrier business management — recognized globally for high quality, efficiency, and reliability — and state-of-the-art anti-fraud intelligence and expertise led by senior data scientists.

iBASIS enables customers to build high-performance strategies and policies to prevent, identify, and block a large variety of fraud patterns. Our team of experts also provides support to ensure compliance with current regulations.

iBASIS assigns high priority to network performance and quality, identifying and addressing potential issues as quickly and efficiently as possible. We deliver a Standard and Premium SLA with strong commitments for systems availability and performance.

Our online experts are our customers' first line of support, working and coordinating with the NOC and Account Managers to ensure seamless service delivery.

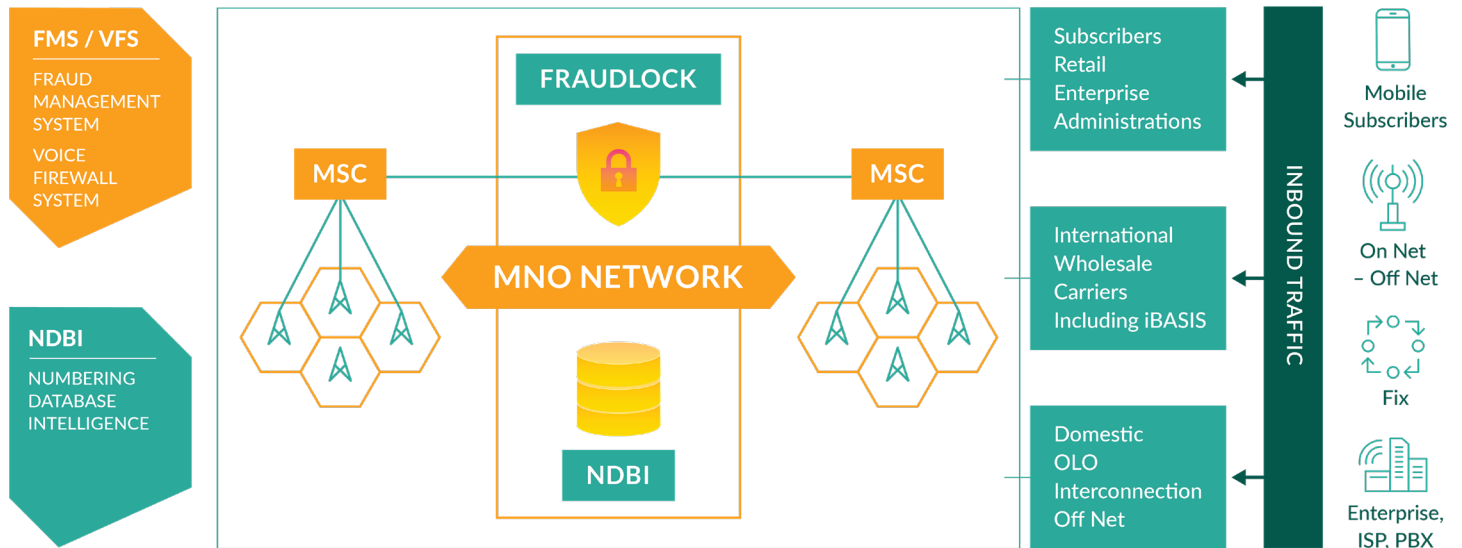
## FRAUDLOCK iQ360™

iBASIS FraudLock iQ360 is the first anti-fraud system to offer a guaranteed SLA protection option powered by next-generation intelligence for fraud detection, deterrence, and enhanced ROI. It leverages 360 degree views to fully protect a customer's inbound and outbound traffic.

## BE THERE FIRST

Looking for a customized solution?  
Talk to one of our specialists  
at [info@iBASIS.net](mailto:info@iBASIS.net).

## INBOUND OFFER: APPLICATION AND ARCHITECTURE OVERVIEW



## KEY FEATURES

### FRAUD MANAGEMENT SYSTEM / VOICE FIREWALL

- CLI Spoofing and OBF Origin Based Fraud
- Whitelist or blacklist exceptions
- SIP signaling collection at SIP trunks, SBCs, and CDR blocks
- Numbering Plan Intelligence and Exception Management
- SIP header inconstancy; A-number validity
- A and B-number same destination via international trunk (geographical, mobile; call dispersion)
- International call recipient does not receive international calls anymore (ACD, cost, and ASR); trunk in operator quality
- Commands to block calls and blacklist fraudulent A-numbers

### INVALID NUMBER MANAGEMENT SYSTEM

NDBI Numbering Data Base Intelligence with invalid number blocking capabilities on:

- Global dial codes and number ranges, information for all countries, as well as unallocated number ranges

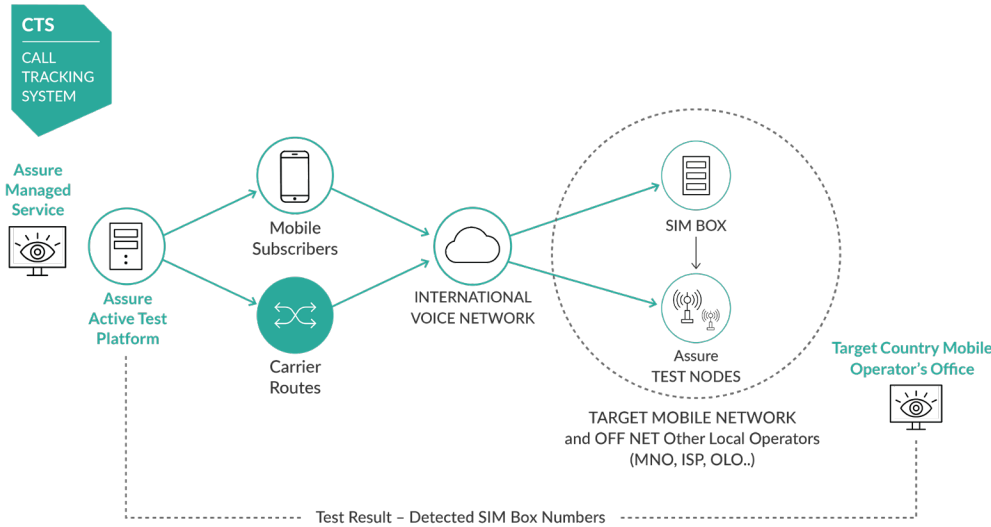
- International number ranges associated with premium rate services, reviewed for originating service provider fraudulent billing
- Number ranges used by operators to route calls to network-roaming subscribers

### CALL TRACKING SYSTEMS

Wholesale carrier routes include direct/partner direct and TDM/VoIP. Over 420 wholesale routes are available for testing.

- VoIP (OTT) providers and calling card companies
- iBASIS test nodes available in target network. Virtual numbers provided by the MNO to increase the fraud hit ratio.
- Active incoming test calls initiated from iBASIS test network and terminated to iBASIS test nodes in the destination network
- SIM-box numbers are identified in the test results
- Reports on detected SIM-box numbers delivered to TIS users
- Reports are shared with the partner MNO who makes business decisions based on the information they receive

## INBOUND SERVICES AND SOLUTIONS: APPLICATION AND ARCHITECTURE OVERVIEW



## PROCESS FLOW

1. iBASIS test nodes are placed in each customer network. SIM cards and virtual numbers are provided by the customer to receive the incoming test calls.
2. Active incoming test calls are initiated from iBASIS test network and terminated to iBASIS test nodes in the target network. Customer can also register phone numbers to the suspected OTT application and observe if the calls generated by the CTS platform terminate on the regular network or on the OTT application.
3. SIM-box numbers are identified in the test results.
4. Reports on detected SIM-box numbers are delivered to Customer users.

## WHAT DOES FRAUDLOCK INBOUND OFFER?

- Anti-fraud technology, expertise, and support provided to protect customer traffic sent to be routed via iBASIS and terminated on other networks;
- 24/7 SLA-based traffic monitoring to detect, block, or discontinue all types of fraudulent traffic related with risky and costly destinations;
- Cloud-hosted systems;
- Highly configurable system with DIY (Do it Yourself) features to optimize from the iBASIS catalog of rules and allow creation of your own control rules and algorithms matrix including cost, calls, and minutes thresholds with high levels of granularity by type of traffic and preferred route;
- Tailored alarms, reports, and dashboards as per desired configuration; and
- Online access to iBASIS experts' unparalleled skills and experience, covering all geographies.

## HOW IT WORKS

iBASIS high performance fraud management and voice firewall systems with portal access offer comprehensive levels of configurability and granularity. They enable customers to react in real time to network events, leveraging embedded algorithms built to process detailed usage records. With a grey route trace and audit capability, the systems provide coverage to most countries and networks.

## ABOUT iBASIS

iBASIS is the leading communications solutions provider enabling operators and digital players worldwide to perform and transform. Powered by Tofane Global, iBASIS is the first independent communications specialist, ranking third largest global wholesale voice operator, Top 3 LTE IPX vendor with 700+ LTE destinations, and a leading Carrier Cloud Communications player. iBASIS today serves 1,000+ customers across 18 offices worldwide.

## CORPORATE HEADQUARTERS

10 Maguire Road, Building 3  
Lexington, MA 02421

T +1 781 430 7500  
F +1 781 430 7300  
E info@iBASIS.net

For more information, please visit  
[iBASIS.COM](http://iBASIS.COM)