

Abacus EdgeBox QoS

Abacus Cloud

www.abacusgroup.com

REAL SECURITY

Secure, Prioritize and Monitor VoIP

PEACE OF MIND

Abacus EdgeBox appliances continuously monitor the status of voice connectivity to cloud based call processing servers using application layer heartbeat messages.

Abacus EdgeBox is an all in one network services gateway that provides security, reliability, VoIP prioritization, traffic shaping, voice aware firewall, remote monitoring and proactive management.

Key Features

1. Bandwidth Management
2. VoIP Prioritization
3. Traffic Shaping
4. Proactive Monitoring 24x7
5. Remote Troubleshooting
6. Simplified Setup
7. QoS Reporting
8. Ethernet/T1 Connections
9. Voice Aware Firewall

Abacus Group, Inc.
13 Falmouth Heights Road
Falmouth, MA 02540
www.abacusgroup.com
781.891.3300

AT A GLANCE

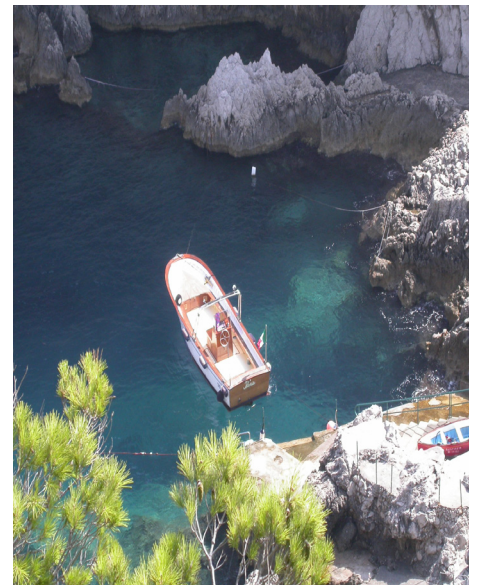
Abacus EdgeBox is a flexible networking edge device that can provide IP routing, Ethernet and T1 WAN link termination, resolve NAT traversal problems, ensure high quality voice using QoS, monitor voice quality and provide comprehensive security for the LAN using a media aware firewall. VoIP VPN routers are installed at the network edge and connect with each other through VPN tunnels in a full mesh configuration.

WAN LINK REDUNDANCY

Dual WAN link redundancy enables diverse broadband providers and automatic failover from primary to secondary. EdgeBox features WAN path failure detection based on physical link status and ICMP responses from routers.

VoIP SURVIVABILITY

If a call processing server is declared unreachable, the Abacus EdgeBox enters fallback mode and performs call processing for local SIP user agents. It automatically creates a local dialing plan by monitoring the registration requests sent by LAN based SIP user agents as they register with the hosted PBX.



Optimizing real time voice over IP networks.

QoS METRICS

The QoS mechanisms provided by the Abacus EdgeBox are designed to ensure high priority real time voice traffic is processed before lower priority data traffic. Bandwidth not in use by voice traffic is made available so that data traffic can burst up to full line rate making efficient use of WAN bandwidth.

ALL IN ONE

One box for data routing, VLANs, firewall and VoIP ALG - with a single management interface, simplified troubleshooting and expansion.

Abacus makes IP network migrations simple.

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How it Works

EdgeBox VPN routers installed at the network edge connect with each other through VPN tunnels in a full mesh configuration. Edgebox prioritizes VoIP over data traffic to ensure high quality phone conversations and passively monitors the call quality of each call.

All-in-one Solution:

- Access Router
- NAT Server
- VoIP & Data Firewall
- VoIP Proxy
- Traffic Shaper
- Priority Queuing
- DHCP Server
- Ethernet WAN, T1, FXO, FXS

Abacus Services

- VoIP Readiness Assessments
- Data Network Upgrades
- Broadband Provisioning
- Professional Services
- Project Management
- Managed Services
- Technical Help Desk
- Mashups

Abacus Partners

www.apache.org

www.asterisk.org

www.authorize.net

www.digium.com

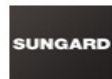
www.edgewaternetworks.com

www.polycom.com

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www.vmware.com



Abacus Group, Inc.
13 Falmouth Heights Road
Falmouth, MA 02540
www.abacusgroup.com
Tel: 781.891.3300
Fax: 888-788-6148