



Versatile, affordable security

# SmoothTraffic

## Bandwidth Management (Quality of Service)



**Prioritize, monitor and control Internet traffic for the best possible performance and VoIP call quality.**

### Leaf Cutter Ants (*Acromyrmex/Atta*)

*Leafcutter colonies are models of efficiency with different types and sizes of workers optimized for particular tasks. Some species are capable of defoliating an entire tree in less than 24 hours.*

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|--------------------|---|
| Prioritize Packets | Set priority levels for inbound and outbound traffic  |
| Optimize Bandwidth | Limit utilization by protocol, IP or network address  |
| Throttle Traffic   | Reduce the impact of unanticipated applications       |
| VoIP Quality       | Guarantee call quality with enhanced support for VoIP |
| VPN QoS            | Manage different traffic types within a VPN tunnel    |

Few networks have sufficient Internet bandwidth to always be able to meet peak demand, which results in inconsistent performance, user frustration and reduced productivity. SmoothTraffic is an effective and simple to use solution for networks of all sizes, that ensures optimum bandwidth utilization is maintained at all times.

# Smooth Traffic

## Simple, flexible traffic prioritization (QoS)...

### Prioritize Inbound and Outbound Traffic

A single file download can consume almost the entire capacity of a typical DSL or leased line Internet connection. Unless interactive traffic (such as web browsing, VoIP, or SSH sessions) is given priority over heavy continuous traffic (e.g. file transfers, downloads and audio/video streaming), performance will deteriorate during peak periods. SmoothTraffic allows a flexible approach, prioritizing important traffic based on protocols, policy (User group membership), IP address or Differentiated Services (DSCP) packet marking.

### Optimize and limit bandwidth utilization

Large file downloads, transfers and back-ups can be slowed to prevent them monopolizing the downstream bandwidth. Limit bandwidth utilization by protocol, IP or network address to ensure all servers get at least a minimum proportion of the available bandwidth in a server hosting environment. SmoothTraffic also allows low priority traffic to utilize spare bandwidth capacity until it is needed by more important traffic.

### Enhanced VoIP support

Guaranteed call quality every time. SmoothTraffic works with your SIP proxy to automatically mark high priority VoIP traffic for 'expedited forwarding', through your ISP.

### Throttle unanticipated traffic

Make sure unanticipated network services don't impact upon regular network traffic by setting them to run slowly, with minimal bandwidth.

### VPN Traffic

SmoothTraffic will prioritize traffic within a VPN tunnel. For example, VoIP traffic flowing within a VPN tunnel gets priority over site-to-site file transfers.