

FatPipe QoS

Manage network congestion and set priority to achieve the highest level of efficiency and precise control of network IP traffic

STABILITY, RELIABILITY, QUALITY AND CONTROL OF IP NETWORK TRAFFIC

FAT Pipe
QoS

Control, shape and optimize real time and standard traffic with FatPipe QoS

FatPipe Quality of Service (QoS) is a networking device that can help you optimize the efficiency of your network by providing total control of congestion and prioritize data flow up to ten levels.

FatPipe QoS gives you granular control over how IP traffic transmits across your network, and as a result, helps you control WAN costs. You can reduce bandwidth requirements and bottlenecking issues when you allocate bandwidth to specific business applications and control recreational traffic via FatPipe QoS.

Additionally, FatPipe QoS is combined with link load balancing, which ensures that rules are applied to additional or secondary lines when a failure occurs to your primary WAN line, providing redundancy for your WAN infrastructure data transmissions.



Important traffic passing through the box is categorized into its correct bandwidth, and quality metric. Traffic going to the Internet is sent in contract so that applications like VOIP, video, and other mission critical applications work properly without over-provisioning bandwidth.

Advantages of FatPipe QoS

- Ten levels of traffic priorities - Gives granular control over application and associated bandwidth. Applications can be classified up to ten levels of priorities. The remaining traffic will be best efforts.
- Optimizes real time and standard traffic- Controls all traffic regardless of application.
- Always guarantees the minimum quality and bandwidth you require. - Guarantees performance of applications like CRM and thin client by optimizing response times.
- Combined with link load balancing allows the QoS Rules to be implemented across the multiple links adding reliability to the WAN and efficiency use the links.
- FatPipe's QoS scales the quality rules to available lines in case of a line failure - Adds redundancy to the WAN infrastructure while maintaining performance for critical applications.
- Controls WAN costs by reducing bandwidth requirements - Allocates bandwidth to business applications and control recreational traffic.

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OF IP NETWORK TRAFFIC**

FatPipe QoS is simple and easy to configure using its GUI based interface. QoS guarantees quality for mission critical application like VoIP and video and can predict delay, loss and bandwidth requirements BEFORE they occur in the network.

QoS also provides the protection and prioritization necessary to ensure that sensitive traffic types, such as VoIP, maintain their bandwidth allocations and minimal loss and delay characteristics as designated by the administrator.

Why you need FatPipe QoS

- Add stability, consistency, reliability, quality and control to WAN links.
- Ensure proper VPN utilization within VPN tunnel.
- Provide complete and total control of bandwidth and quality parameters.
- Maximize the utilization of all network links.
- Stop packet flooding to ensure bandwidth for mission critical applications.

Benefits of FatPipe QoS

- **Easy Installation** - Up and running very quickly with very little configuration required.
- **Guarantees prioritization of real-time voice/video traffic** - VoIP and video traffic will always get higher priority than other types of traffic to ensure quality.
- **Guarantees pre-allocated bandwidth for mission Critical data** - Customers can allocate fixed amount of bandwidth for different types of traffic - 25% Video, 15% VoIP, 20% database, etc.
- **Prevents over provisioning of network by solving QoS problems on the customer side** - bandwidth allocation adding to 100% allows efficient utilization of WAN.
- **Maximizes utilization of network link** - Provides policies for per application and per user. Provides fairness between users and prevents one application or user from congesting a link.
- **Throttles traffic to prevent congestion** - Improves bandwidth utilization by controlling recreational and malicious traffic.
- **Enhances quality of VPN traffic** - Gives higher priority to point-to-point traffic than internet traffic to improve inter-office communication.
- **Monitors the SLA with your ISP to ensure quality service** - Provides latency and bandwidth utilization reports allow for better monitoring of line.

WITH FATPIPE QoS

- Guarantee bandwidth for mission critical applications
- Monitoring of ISP SLA to ensure that you are getting what you paid for
- Prioritize point-to-point and VPN traffic to improve efficiency
- Improves quality of VoIP transmissions

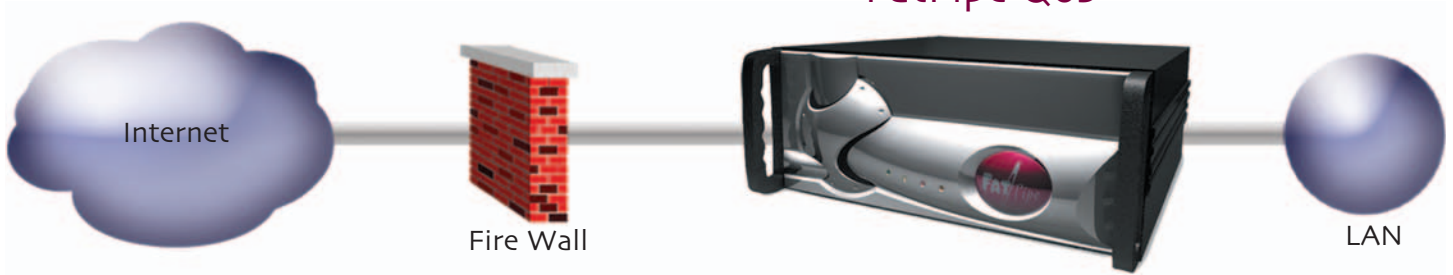
WITHOUT FATPIPE QoS

- No bandwidth priorities
- No way of knowing exactly what kind of service you are getting from your ISP
- All traffic has the same priority allowing pipes to be clogged with unimportant traffic and applications
- Broken sounding conversations

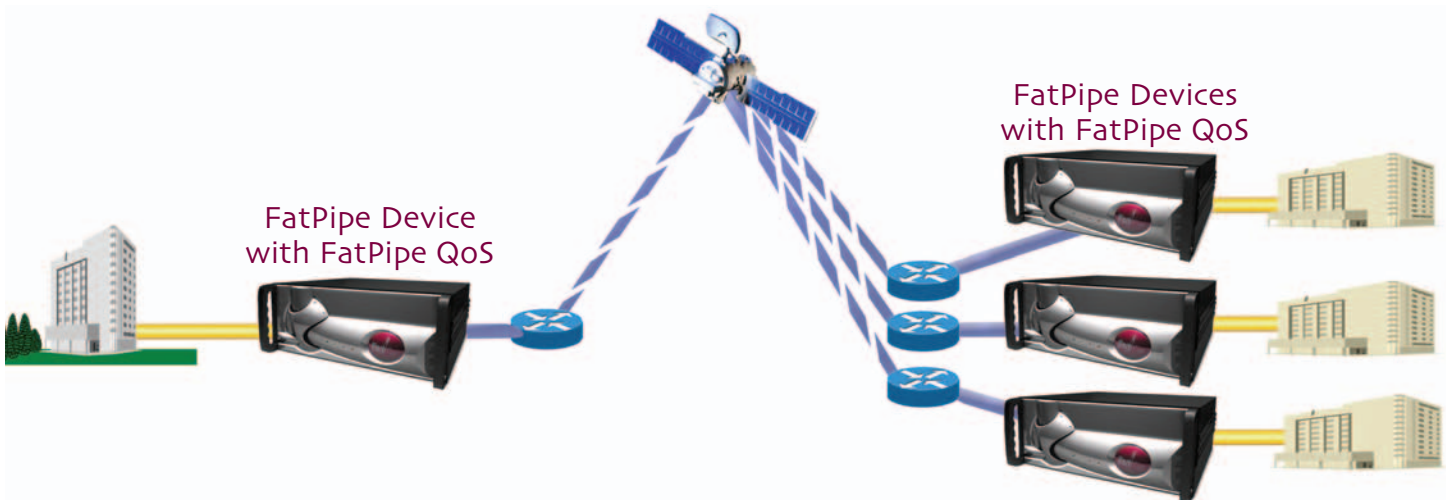
QoS

Example QoS Installation Environments

FatPipe WARP with FatPipe QoS



Important traffic passing through the FatPipe Unit is categorized into its user defined bandwidth and quality metric. Traffic going to the Internet also follows the user definitions for bandwidth allowing applications like email, video, and other mission critical applications work properly without being interrupted by less important traffic such as web browsing.



Adding QoS to MPVPN or IPVPN adds redundancy, security and speed so that applications like VoIP, video, and other mission critical applications work properly between locations increasing productivity and inter-office communications.



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