

Taxonomy and Capabilities of QoS Appliances

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Why Survey QoS Appliances?

- Multiple needs
- Multiple vendors
- Multiple technologies

Don't just take my word for it...

What Appliances were Surveyed?

- Vendors: Alcatel, Allot Communications, Alteon/Nortel, Checkpoint, Cisco, Emerging Technologies, Intel, Lightspeed Systems, NetQoS, NetReality, NetScreen, Packeteer, Palisade, Sitara, TopLayer, U4EA...
- Survey was brief, mostly from product spec sheets
- I have had more in-depth experience with Allot, Cisco, Netscreen, Packeteer and Toplayer. See:
http://www.more.net/strat_tech/reports/QoS-CED/index.html

What Appliances were Surveyed? (page 2)

- OmniCore 5000
- NetEnforcer
- AceDirector
- FloodGate
- 7200
- Pix Firewall
- ET/R1500–BW
- NetStructure 7340 Traffic Shaper
- NetStructure 7370 Application Shaper
- QoS Control

What Appliances were Surveyed? (page 3)

- SuperAgent
- WiseWan NAP
- NetScreen 1000
- PacketShaper
- PacketHound
- PacketPup
- QoSWorks
- QoSArray
- AppSwitch
- FlowFusion

Taxonomy by?

- Product position?
 - Enterprise vs Provider?
 - Carrier–class or Not?
 - Bubble on line, One–arm, Router, Switch?
- Speeds and feeds?
- Capabilities?
- Underlying technology?

Underlying Technology

- Queuing
 - Total Bandwidth
 - By user/address
 - By application
 - VPN/Traffic segment guarantees
- TCP/IP packet manipulation
 - Window size
 - Reset

Extras

- DoS attack prevention
- Traffic scanning and reporting
- Remote administration
- Multi-device coordination
- Caching and mirroring
- Billing
- Firewall
- And more!!!!!!!!!!

Read all about it

<http://www.ind.alcatel.com/core/index.cfm>

<http://www.allot.com/>

<http://www.nortelnetworks.com/products/01/acedir/fandb.html>

<http://www.checkpoint.com>

<http://www.cisco.com>

<http://www.etinc.com>

http://www.intel.com/network/idc/products/bandwidth_7340_tech.htm

<http://www.lightspeedsystems.com>

Read all about it (page 2)

<http://www.netqos.com/>

<http://www.net-reality.com>

<http://www.netscreen.com>

<http://www.packeteer.com>

<http://www.palisadesys.com>

<http://www.sitaranetworks.com/>

<http://www.toplayer.com>

<http://www.u4eagroup.com>

Thanks

Questions?