SunGate Traffic Compression

White Paper

SunGate Networks

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Introduction

SunGate Traffic Compression module delivers the ultimate solution to ever-growing volumes of network traffic.SunGate Traffic Compression module has the ability to intelligently reduce the volume of data, in an organised manner, between any two points on a network. It delivers real, tangible benefits in terms of performance and direct cost reductions to your organisation.

SunGate Traffic Compression module also extends the life of your existing infrastructure and postpones costly bandwidth upgrades. Through SunGate Traffic Compression module you will increase productivity and improve user satisfaction by getting more data through your current network in an organised and controlled manner.

SunGate Traffic Compression module will compress data in an efficient and transparent way to save bandwidth, reduce link latency and to speed up response times.

Benefits

With SunGate Traffic Compression module, Stretch your network to deliver real Business Benefits, it will enhance your network, building your business:

- Increases network performance and postpones costly bandwidth upgrades for your company
- Removes network congestion and increases integrity and reliability of your network
- Selectively deployable in only those areas on the network that need it
- Delivers a very direct Return on Investment (ROI) for your company – it is immediate, tangible and measurable
- Increases user productivity and satisfaction as well as the performance of all your applications

SunGate Traffic Compression module will measurably increase the life and efficiency of your existing network infrastructure, and it intelligently and transparently reduces data volume on your network in order to mprove performance and extend the life of existing infrastructure.

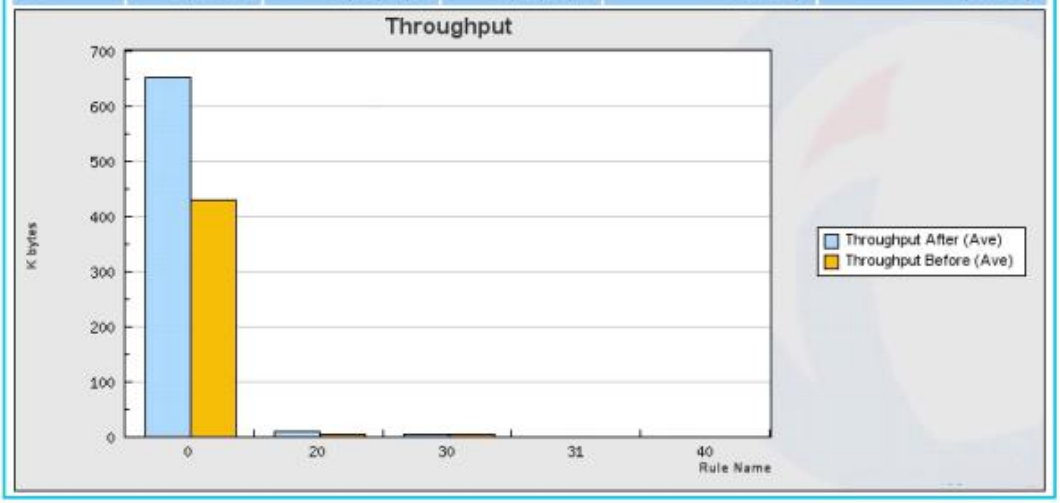
Functionalities

Functions

- To compress data in an efficient and transparent way to save bandwidth, reduce link latency, and to speed up response times

Compression Throughput Report for Rule Number: all (2008-05-01 to 2008-05-31)

	Sum			Ave	
Rule Name	Duration	Bytes Before	Bytes After	Throughput After	Throughput Before
Global-0	203:58:18	39,546,506,449	20,413,137,990	653,245.90 bps	430,849.67 bps
Branch-1	203:58:18	535,368,101	274,594,261	8,824.34 bps	5,832.71 bps
Branch-2	203:58:18	352,956,314	180,599,821	5,812.97 bps	3,845.37 bps
Branch-3	203:58:18	10,836,672	6,985,840	194.17 bps	118.06 bps
Branch-4	203:58:18	2,042,466	1,353,677	37.00 bps	22.25 bps
Sub-Total	1,019:51:30	40,447,710,002	20,876,671,589	133,622.88 bps	88,133.61 bps
Total	35,286:48:19	79,093,439,818	40,826,498,176	7,552.08 bps	4,980.99 bps



Features

- High speed efficient data compression engine
- Conforms to RFC2383 (IPComp) and RFC2384 (deflate)
- Completely transparent to existing network (does not change header)
- No tunneling or routing required
- Data selection by source and/or destination address
- Determines minimum compression ratios ensuring efficiency
- Automatically switch off compression if a dependant server stops compressing (failover)
- SQL database statistics and reporting
- No data exchange between compressing devices avoiding unnecessary traffic on network

Unique Features

- Completely transparent to existing network
- No tunneling or routing required
- No data exchange between compressing devices avoiding unnecessary traffic on network