

# Performance Reporting Portal

**nextgen**  
pure-data



Nextgen's Performance Reporting Portal is a secured website for customers to monitor, measure and report on VPLS, Point-to-Point Switched Ethernet and Internet Services.

With a twelve month history and graphing resolution to 5 minute intervals, the Nextgen Performance Portal is a valuable tool to support your data network management.

## Benefits

- View cyclic usage patterns
- View trends
- View top users of services
- Support proactive management of your data network



Access the Customer Portal through the Nextgen website [www.nextgennetworks.com.au](http://www.nextgennetworks.com.au). Your log-in details will be supplied by your Account Executive.

## Performance Reporting

- Data Throughput
- Packet Throughput
- Packet Drop

## Internet Analysis

- Traffic flow by application
- Traffic flow by protocol
- Peak rate by Top Talker – reported by host IP address

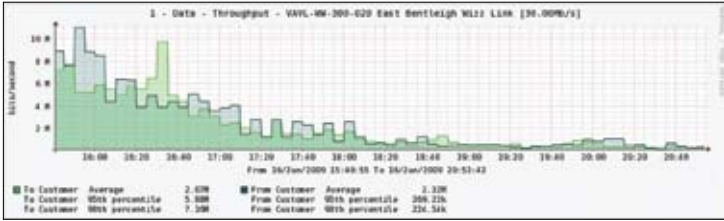
## Shared Features

- Statistics updated every five minutes
- Scalable graphs to see both the detail and the big picture
- Graphs exportable in .bmp format
- Datasets exportable in .csv format
- Five minute interval traffic retained for one year
- User Guide available online

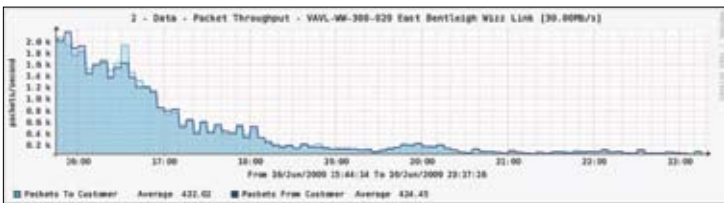
# Performance Reporting Portal



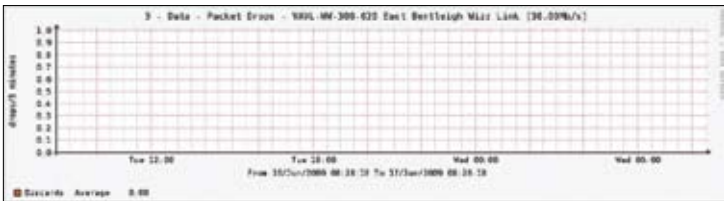
## Performance Reporting



Data throughput (each direction)



Number of packets per second (each direction)



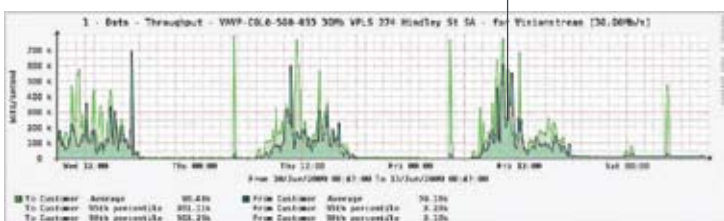
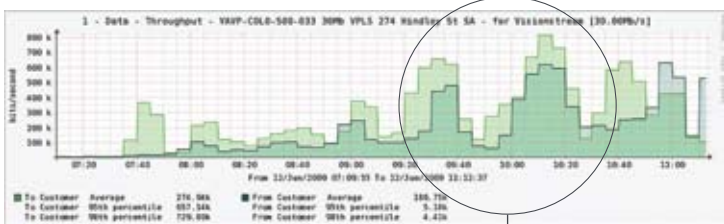
Packet drops per 5 minutes

Filter the services list to show only those services that contain a specific character string in their description

Step Graphs: 1 Week | Graph From: 2009-06-13 06:47 | To: 2009-06-14 06:47 | apply | reset

Filter Graphs: | apply | clear | Graphs per Page: 10 | Thumbnails:

See the detail behind the big picture



## Internet Analysis



Applications



Protocols



Top Talkers

To subscribe to the Nextgen Networks Performance Reporting Portal, please contact Nextgen Networks on **1300 653 351**

# Performance Reporting Portal



## Performance Reporting

Nextgen Services Monitored*	
Product Name	Product Code
Internet (corporate or wholesale)	IES
Pt-to-Pt Switched Ethernet	VLL
National VPLS	VPLS

\* The Performance Reporting Portal reports on services delivered via Nextgen's MPLS network

## Parameters Monitored

Parameter	Units	Interval
Data Throughput	Bits per second; bit/s	Average 5 min intervals
Packet Throughput	Packets per second; pps	Average 5 min intervals
Packets Dropped	Number packets dropped	Total in 5 min intervals

## Data Presentation

Services are presented in an hierarchical tree structure

Data is presented as graphs, viewable from 5 minute resolution, out to 1 year resolution  
95th percentile and 98th percentile levels for data range in view are presented as numbers below the graph

## Data Availability

Unavailability of the Portal does not constitute unavailability of the associated service according to the applicable Nextgen Service Level Agreement

## Internet Analysis

Characteristics Monitored	Information	Examples
Traffic flow by application	Listed by registered* application name <i>* If the application is not registered, the active port number is used for reporting</i>	http, smtp, https, pop3, ftp-data
Traffic flow by protocol	Traffic flow rates in Mbit/s for each IP protocol	Tcp, udp, gre, icmp, esp
Peak rate by "Top Talkers"	Listed by host name and IP address and sorted by peak rate in Mbit/s and time of event	

## Excluded Traffic

Internet analysis is based on traffic through Nextgen border routers. This excludes traffic between Nextgen customers.

## Graph Format

Choose from stacked, pie and column formats

## Shared Features

### Supported Internet Browsers

Internet Explorer, Firefox, Safari, Chrome

### Security and Access

Nextgen will issue a unique user name and password to the nominated customer representative  
User guide accessible via the Nextgen website

### Data Export

Graph images are exportable in .bmp format

Graphed data is exportable in .csv format; also .pdf, .xml, excel-xml for Internet graphs

### Data Timeliness

Timeliness for data availability is a target of 5 minutes after the end of the 5 minute sampling interval

## Internet Protocols

http	<b>Hypertext Transfer Protocol</b>	The main protocol to transfer hypertext requests and information between servers and browsers
smtp	<b>Simple Mail Transfer Protocol</b>	The main protocol used to send mail from server to server on the Internet
https	<b>Hypertext Transfer Protocol over Secure Socket Layer</b>	Used for secure Internet sites
pop3	<b>Post Office Protocol version 3</b>	Used to retrieve email from a remote server
ftp	<b>File Transfer Protocol</b>	Protocol that allows users to copy files between their local system and any system that can reach the system
tcp	<b>Transmission Control Protocol</b>	A protocol developed to get data from one network device to another
udp	<b>User Datagram Protocol</b>	A 'connectionless' protocol that makes no provision for acknowledgement of packets received
gre	<b>Generic Routing Encapsulation</b>	A tunnelling protocol developed by Cisco that allows network layer packets to contain packets from a different protocol
icmp	<b>Internet Control Message Protocol</b>	A message control and error-reporting protocol between a host server and a gateway to the Internet
esp	<b>Encapsulating Security Payload</b>	The ESP header is designed to provide a mix of security services in IPv4 and IPv6

## ABOUT NEXTGEN NETWORKS:

Nextgen Networks is a national Telecommunications carrier that specialises in high performance data services. Our customers are other Corporations, Government, Service Providers and other Carriers. Nextgen products include high capacity data transmission services ranging from corporate links up to complete wavelengths, nationwide multipoint Ethernet networks (VPLS Service), Internet, satellite and carrier grade co-location offerings. Nextgen owns and operates infrastructure that includes the third largest fibre network in Australia, a latest generation national switched Ethernet data network and co-location centres throughout Australia. Nextgen is a wholly owned subsidiary of the Leighton Group.

Check out the benefits of our award winning data solutions

Phone: 1300 653 351

[www.nextgennetworks.com.au](http://www.nextgennetworks.com.au)