

IP Performance

Overview

IP Performance is intended to measure performance indicators/metrics for IP services. Measurements are focussed on network and transport layer statistics. Data is captured passively from one or several network interfaces using TAPs or SPAN/Mirroring ports, and the statistics generated are presented by the Jupiter framework.

The IP performance solution should be seen as a complement to OSIX as it delivers more precise IP performance measurements, focussing on a per-server rather than per-user approach.

IP Performance is available from the 4.5 release.

Features

Service Level Reporting

Notifies you about system availability, but also tracks changes over time. This information is used to quickly generate availability and service level agreement (SLA) reports.

Automatic reports can be sent by mail in PDF or CSV format.

Trending

The system enables trend reporting that can be used to compare and follow trends over time in the same graph.

KPIs

Key Performance Indicators can be customised with the Jupiter KPI builder application.

Reports can easily be built with the Jupiter Inspector tool. This supports grouping, filtering, and top lists that can be built on the fly.

Reports can be combined into dashboards.

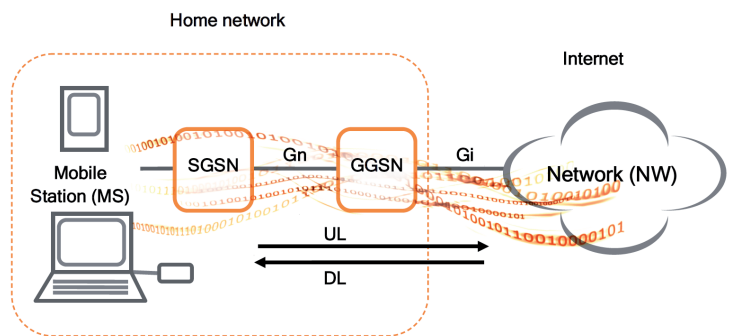
Notifications (Alarms)

Alarms can be configured to be sent using SNMP as well as generate alarm reports sent by email. Alarms can be set on all KPIs and can be combined with trending.

Aggregation:

Measurement statistics are aggregated per destination server.

Supported interface types: Gi and Gn



Supported data rates: 1GbE and 10GbE

Only one Ethernet interface per mediaprobe server is supported at the moment.

Supported network layer: IPv4

Supported transport layer: TCP

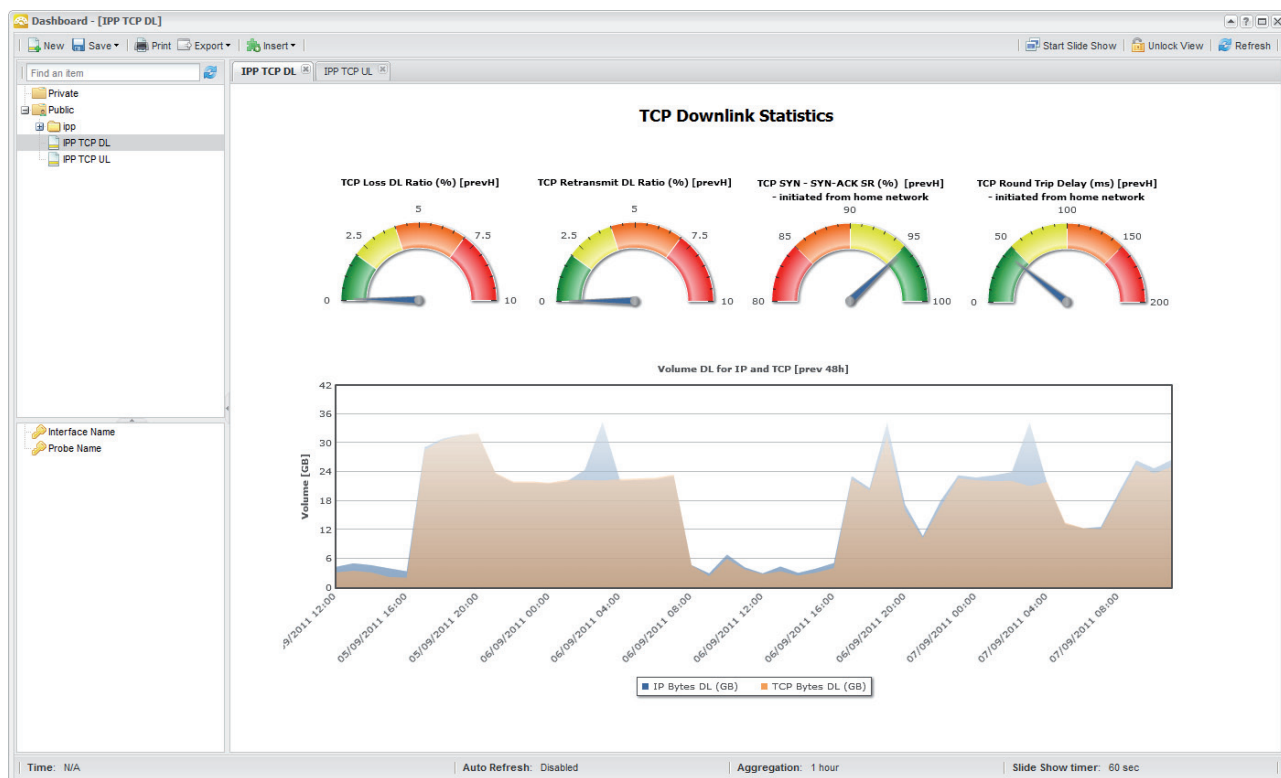
Supported character encodings: ASCII

Measurements at network layer:

- Packets
- Bytes
- Fragmentation

Measurements at transport layer (TCP):

- Packets
- Bytes
- Fragmentation
- Handshake statistics (success ratio, delays)
- Retransmits
- Out-of-order
- Loss



TCP Downlink Statistics

Why Polystar?

Polystar is the premier supplier of Service Assurance, Network Monitoring and Test Solutions to leading telecom operators, service providers and network equipment manufacturers around the globe. Polystar's innovative product portfolio supports the complete lifecycle of new services and technologies—from design, pre-deployment verification and stress-testing, through roll-out, down to network assurance and service management of in-service mobile, fixed, IP or converged networks. Polystar is recognised as one of the fastest-growing companies in Sweden. Since its establishment in Stockholm in 1983, it has experienced a continuous and sustainable growth, and evolved to a global presence, serving its customers in over 50 countries.

The Polystar difference?

To be truly useful as information, data must be digested, organised, and displayed. In many respects, having millions of rows of unstructured data is no real improvement over having no data at all. Polystar provides the solutions that make important data visible and usable—quickly and efficiently.