

Simple Web-based Interface

View Captured SIP/H323/
MGCP/RTP/MEGACO calls
From Multiple Probes

Oracle Database Support

Custom Filters (Day, Time,
Called/Calling Number, Probe,
Payload,...)

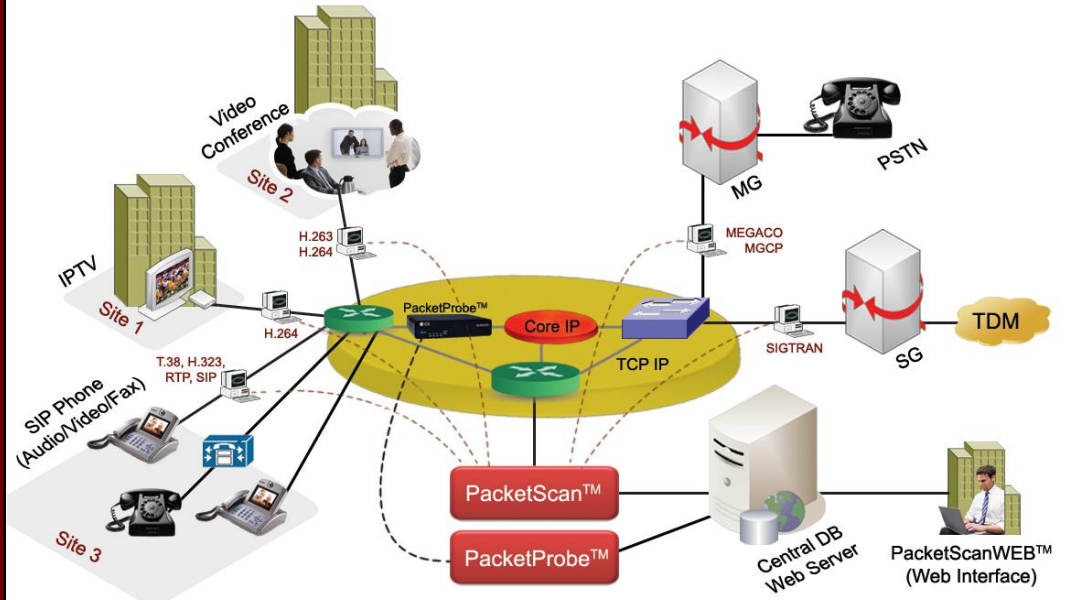
Call Details depicted using
Ladder Diagram

Database Query to Gather
Status, Statistics, Events &
Measurements

Display Results in Tabular
and Graphical Formats

Easy Navigation through
Records

PacketScanWeb™ - Centralized VoIP monitoring system



Overview

PacketScanWeb™ is a centralized VoIP network monitoring system. A PacketScanWeb™ server is deployed in a central location along with an Oracle® database. A number of GL's PacketScan™ probes and/or PacketProbes™ are deployed in remote locations across the network to passively monitor VoIP traffic. Whenever a monitored call completes, the scan/probe calculates a variety of quality metrics (MOS, loss, delay, jitter, etc) and sends the metrics to the central Oracle database for storage. This data can then be accessed in real time from anywhere in the world through any standard web browser. In addition to viewing real time data, PacketScanWeb™ can also custom filter historical data and generate various reports and graphs that summarize overall network health.

The **PacketScan™** is a feature-robust Windows® based software tool that captures and monitors live IP traffic. In the VoIP world, it can monitor and measure SIP, H323, Megaco, MGCP, T.38 and video calls. In addition to quality metrics PacketScan also captures signaling information and sends that to the PacketScanWeb™ database as well. **PacketProbe™** is a lightweight Linux based tool that only operates on SIP or raw RTP and does not capture or transmit signaling information.

Main Features

- Access real-time data remotely via browser based clients.
- Multi-user support and user-friendly interface. .
- Interfaces with Oracle database.
- Provides database query methods to gather status, statistics, events & query results.
- Reports are displayed both in tabular and graphical formats; graphs provided for call volume, MOS score, calls failure cause, and session request delay (SRD)
- Real-time data displays information such as called number, calling number, source & destination IP address, RTP packet details, call flow graph, and frame decodes.
- Navigate through records, and filter the collected traffic summary
- Custom Filters (Day, Time, Called/Calling Number, Probe, Payload, Duration...)

For more details, please visit our web page <http://www.gl.com/netvoip.html>.

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Using PacketScanWeb™

The data in PacketScanWeb™ can be accessed worldwide through any browser capable device. Upon launching PacketScanWeb™ the user will see the 20 most recent calls in the database along with details about the call including Probe Name, Calling/Called Number, Start Time, Call Duration, Session Request Delay (ms), Session Disconnect Delay (ms), Originating IP Address, and Destination IP Address.

Each call can be expanded to reveal per stream RTP statistics. Calls sent to the database from a PacketScan™ (but not a PacketProbe™) also have a link which displays their signaling information (Call Ladder Diagram) and the corresponding frame decode details. The user will also have the option to see the data update in real time so that each call displays as soon as it comes in.

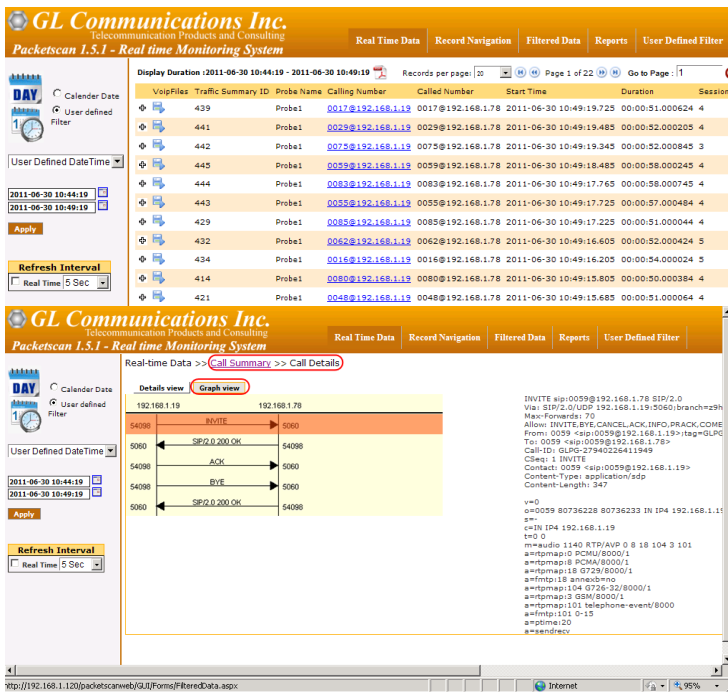


Figure: Real-time Data

Record Navigation

The user is also able to browse to specific pages or specific records within the database.

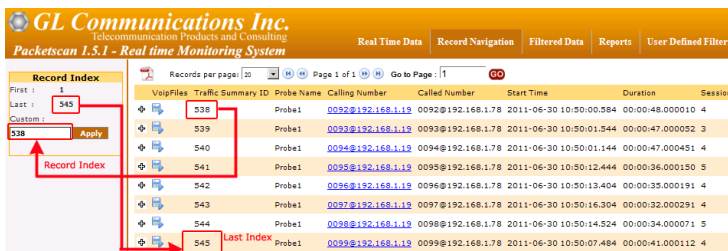


Figure: Record Navigation

Filtered Data and Custom Filter

The call records can be filtered using **Date/Time Filter** criteria or a variety of **Custom Filter** criteria.

The Custom Filter provides options to filter call records based on Probe Name, Calling/Called number, IP Address, and so on, as well as based on various RTP statistics.

Custom filters can be saved and loaded with the click of a button.

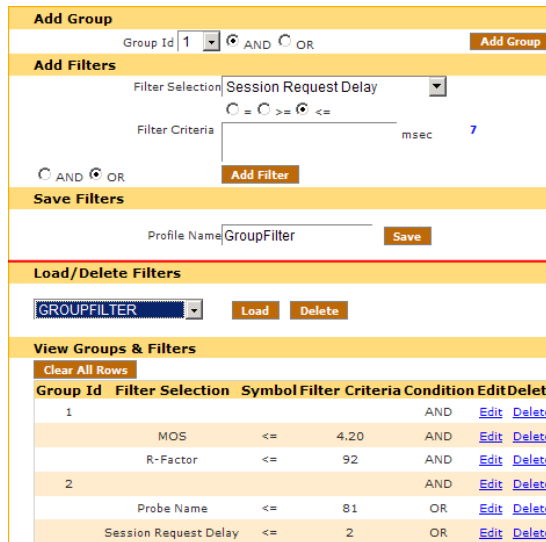


Figure: Custom Filter

Graphs & Reports

Report provide an overall summary of the captured traffic over the entire network with the help of useful graphs such as Call Volume Display, Average Mean Opinion Score (MOS) Display, Call Failure Cause, and Session Request Delay (SRD). Reports are also available in a tabular format for each of the plotted graph.

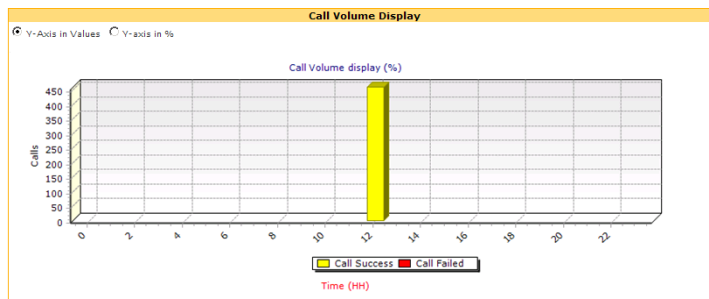


Figure: Call Volume Display

Buyers Guide:

[PKV170](#)– PacketScanWeb™

Related Software

[PKV100](#) - PacketScan™ (Real-time and Offline)

[GLR2000 Series](#)– Base System with PacketProbe™ + Local Client (GLRxx30)

[PKS120](#) – MAPS™ -SIP

[PKS100](#) - PacketGen™ (includes PacketScan™)



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