

OSIX

The OSIX system extracts signalling information, and includes applications for monitoring, troubleshooting, and xDR/SNMP trap generation for fixed, mobile, IMS, and VoIP networks.

The system captures all signalling traffic in your network, independently of any switches, in true real time. Regardless of the size of your network, the number of links and sites, or the type of distribution used, OSIX will provide you with an optimised solution that will show a good return on investment.

The OSIX applications are a fundamental part of all Polystar solutions.



The OSIX system:



Call Trace monitors calls/transactions, either historically or in real time. The application includes features for networkwide, end-to-end, multi-protocol correlation.



Performance Analyser monitors different KPIs in real time for different calling/transaction groups, and generates alarms for certain thresholds pre-defined by the end user.



Mass Call enables real-time monitoring of calling or called numbers with large numbers of call attempts, without any configuration needed.



Statistics Alarm enables alarms to be generated when certain filter criteria for protocol messages or calls/transactions are met. The criteria are user-configurable.



Network Status monitors alarms on MTP1 level, MTP2 level, MTP3 level, and on high link load, low performance, and large numbers of call attempts.



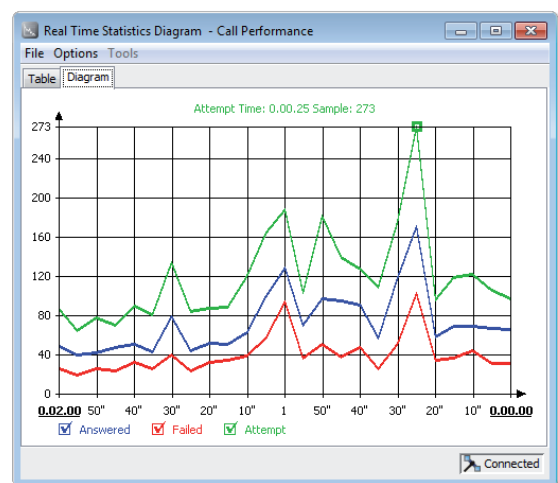
Real Time Statistics can set up and display diagrams/statistical information over certain types of messages and/or transactions in your network in real time.



Protocol Analyser monitors protocol messages, historically or in real time, giving users access to detailed information down to each individual bit and byte of the signalling.

The benefits of OSIX:

- An extremely robust solution with a very small footprint
- Intuitive, easy-to-use applications with context-sensitive help
- Unique scaling possibilities due to its modular design
- Built with Java, MySQL, and Linux using state-of-the-art hardware and open architectures, standards, and interfaces
- Highly flexible, with extremely fast installation and acceptance cycles and regular implementation of new features
- Physically divided interfaces and processing capacity
- Proven high availability, reliability, and security
- Minimum investment required, while offering high cost efficiency, rapid return on investment and a very competitive total cost of ownership



Call Performance

Why OSIX?

- An all-in-one GUI
- Network-spanning, end-to-end, multi-protocol correlations
- Fast and accurate error detection and subscriber feedback for your customer help desk
- Real-time alarms for quickly detecting and solving network problems or poor performance before your customers are affected
- Easy pre-mediation by delivering data in customised xDR formats
- Interrelated monitoring applications with popup context menus
- Access to every bit and byte in the calling processes and protocol messages for network-spanning real-time or historical troubleshooting

GUI examples

The image displays four screenshots of the OSIX GUI interface:

- Call Trace (Mobile):** A table showing call logs with columns for Start Time, Protocol, Any Protocol A Number, Any Protocol B Number, Any Protocol IMSI, RANAP Procedure Code, TCAP OP Code, and MM/SM Msg. The table contains several rows of data.
- Call Flow:** A sequence diagram showing the flow of messages between network elements. The diagram includes nodes for TC4, MSC1, HLR3, IN3, BSC23, BSC1, BSC22, and BSC100. Messages shown include IM, SAM, 22_SendRoutingInfo, ProvideSubscriberInfo, 0_InitDP, 45_callInformationRequest_3D_connect, 22_SendRoutingInfo, ProvideRoamingNumber, and PAGING-Msg.
- Network Status - Surveyor:** A network topology diagram showing connections between MSC1, MSC2, and MSC4. It also displays various network components like CORE (1), NI2_NATO other services (1), SIGTRAN (0), test (0), VoIP (0), Gr-links (0), and IN & SMS (1).
- Main Panel:** A vertical sidebar containing icons for various monitoring and analysis tools: Protocol Analyser, Call Trace, Performance Analyser, Mass Call, Real Time Statistics, Network Status, System Status, Statistics Alarm, and Configuration Manager.

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.