

eoPath IMS Insight

IMS Service Assurance

Introduction

Moving to an all IP network and introducing IMS (IP Multimedia Subsystem) services can be a massive challenge for CSP's (Communication Service Providers). Once implemented - CSP's must focus at the subscribers ability to utilize the new generation of services which requires a Service Assurance solution able to monitor both the network as well as service layer end-to-end in one unified view.

IMS architecture will enable voice and video calling across multi-vendor platforms and multiple access networks, including fixed and mobile. Applications will include multimedia services, presence, messaging and conferencing, with a unified bill, control and management.

Disaggregating the IMS service layer from the access network enables the transmission of any type of service, such as Voice, Messaging, PoC, etc. using any type of access method. So on an IMS network, different services can/rely/be established on the same core network, and multiple network elements are responsible for a fast and successful delivery of a single service.

Anritsu is addressing this fact with a complete solution including two embedded Data Ware Houses:

1. eoPath IMS Network Insight monitors the IMS Network elements and support the network operator to recognize slow or failing elements, which have a negative impact on the delivered IMS services.
2. eoPath IMS Service Insight is based on end-to-end correlated service data records and can based on this, show the service availability on different IMS services and root causes in case of problems. These reports are also including the information about the Media Stream Quality.



Benefits

- Correlates the service and network layers into one database, providing one end-to-end view of your IMS performance
- Future proof – supports any IMS service
- Monitor the entire subscriber service delivery, by combining signaling and Mean Opinion Scores (MOS)

Features

- Evaluate impact of customer experienced service quality
- Build on latest insight technology including pdf reporting, export etc.
- 24/7 service surveillance including alarms
- Scalable for small and large systems.
- Detect causes of QoS degradation within the IMS Network
- MOS (Mean Opinion Scores) for voice calls
- Exact root cause diagnostics

