

AdvOSS Mediation System

AdvOSS is an emerging Canadian vendor of technologically advanced solutions that enable any Service Provider to realize all of its needs in aspects of service delivery, management and charging in a fully integrated way. Tens of Tier-1 and Tier-2 Service Providers worldwide depend on AdvOSS for their critical business needs.

Overview:

Mediation is process that transforms the Call Detail Records (CDRs) or Usages Details Records (UDRs) from one format to other. Mediation has always been a very critical process in the telecomm service providers' world where the records are generated by the system from one vendor and are consumed by the system from other. The accuracy of the CDRs transformation along with flexibility is the key requirements for the service providers for

- Revenue Assurance
- Fraud Management
- Prepaid and Postpaid Billing
- Network Traffic Analysis
- Business Reporting for Decision Making
- Reconciliation of Records

AdvOSS Mediation is comprehensive solution for CDR/UDRs Mediation and is widely deployed in telecom carriers' ranging from small-grade carriers to national-grade carriers across the globe. It supports mediation and CDR formats of all leading switch vendors.

Modules:

The AdvOSS Mediation is composed of the following modules:

Data Collection

- FTP Application
- Radius Server
- Diameter Server

Format Conversion

- Text Files
- Supported CDR formats for variety of industry leading Gateways & Switches including
 - Nortel
 - Siemens
 - Huawei
 - Clarent
 - Nextone
 - Cisco
 - MERA
 - Lucent
 - Ericsson
 - Avaya
 - Vocaltech
 - SNOM
 - Sonus
 - Teles
 - Other NGN Switches
 - Customized Parser (For generic customization/parsing of text based CDRs)

CDR Correlation & Merging

- Based on different Charging Identifiers (ICIDs)
- Rules Based

Filtration Rules

- Garbage CDRs removal
- Out of bound values
- Incomplete records

Auto Correction Rules

- Date Time format conversion
- Time zone conversion
- Mappings from one list to other

Number Rewriting

- Dialed Prefixes
- International Prefixes
- Premium Numbers
- On-Net calls

Per Source Rules

- Source Identifiers
- Filtration, Correction and Rewriting rules

Revenue Assurance

- Missing CDR detection

Dispatching mechanisms

- Text Files based
 - CSV
 - XML
 - JSON
 - Web Service
 - http
 - https
 - Multiple database system calls
 - Oracle
 - MySQL
 - MS-SQL Server
- Database Streams
- Oracle Streams

Reconciliation

- Missing on origin
- Missing on destination
- Different Duration
- Different Time of Call
- Different QoS parameters

Alarms Generation

- Source lost
- Destination Lost
- Abnormal traffic pattern