



V-OPTIMER >

Revenue Assurance

Fraud Management

Mediation

Identify and remedy revenue leakages in your Business Support Systems and process flows

In today's hyper-competitive market, improving margins without affecting the customer satisfaction levels is imperative for Communication Service Providers (CSPs). And this makes revenue leakage and fraud protection an essential area of focus for all **Telcos**. Amidst providing services to cash collection, there are numerous avenues where revenue seepage can occur without the knowledge of the CSPs-particularly, where there is an involvement of several convergent services and extended value-chain partners.

We implemented a holistic approach that spans the business and operational processes, systems and data and also that provides a dynamic solution to the incessant changes and enhancements in technology. This led our R&D team to embark upon a journey that would create a product which fulfils all these demands.

V-Optimer™ is an integrated Revenue Assurance product that can be used to proactively detect and prevent revenue leakages that occur at various touch points in the collection systems. V-Optimer is an innovative product built on open source technologies, which provides a single platform to uncover root cause leakages and provides real time data analysis. It is an end-to-end revenue assurance system across entire enterprise Voice, Data, Carrier and Interconnect systems that enables to assure integrity of revenue streams, identify revenue & cost leakage and strengthen operational control & governance.

- Ease of Navigation

Users are presented with an intuitive workflow and an easy to navigate interface that reduces the learning curve and focuses on delivering value with minimum user clicks.

- Customer data integration

The system can be integrated with CRM, billing, prepaid and other BSS platforms to provide instant access to customer data as well as supporting checks, reconciliations and reports based on customer data.

- Powerful reporting capabilities

A rich and fully customisable reporting engine ensures that users and managers can pass key statistics upstream with minimal effort and in a timely fashion.

- Scalable

Built on granular scalable architecture that supports adaptable storage and processing efficiency without any impact on the overall performance.

- Flexible Deployment

Cost and time effective solutions with true Hardware Independence. .

- Advanced Reconciliation

Advanced artificial intelligence based analytical engine that allows the effective reconciliation and analytics.

- Multiple Data Sources

This allows the user to define each data source and file type/format within the tool. Having this capability reduces dependency on vendor services and minimizes costs.

- Ease of configuration

A rich but easy to use reconciliation configuration tool ensures that users are always in control and can quickly adapt to changes in requirements for leakage detection, reporting and KPI presentation.

- Easy to read and exportable outputs

Outputs are clearly presented and can be saved or exported with one click. Multi-source reconciliations are also supported by the system, meaning that complex investigations can be conducted across multiple platforms.

- Server monitoring and alerts

Server monitoring and dashboards deliver up-to-the-minute reporting on any server issues as well as the production line of checks and reports. This gives management users unprecedented insight into the performance of the toolset.

- Access control and security

A flexible system of Users, Groups and Privileges ensures that each user has the capabilities he or she needs, while simultaneously protecting sensitive data from being exposed, corrupted or lost.

- Pseudo rating capabilities

Trained users can configure rating and tariff plans within the system. This allows for both RA rating and tariff audits, as well as supporting fraud alarm scoring, trending and other statistics based on charged amounts.

V-FMS is an automated solution designed to collect network and customer data in order to support the creation of alerts on suspected fraudulent activity across the network and to allow investigations and reporting to occur. Fraud Management Systems has been designed taking into account all the current and potential scenarios of frauds that take place in the telecom domain.

- **The Dashboard**

Communicates key information like Performance KPIs and Trending KPIs to authorized users. Primarily includes multiple charting types and publishing methods.

- **Advanced Reporting Toolset**

Allows technical users and analysts to drill down to a greater level of detail on statistical reporting, Revenue at risk reports, Overall Fraud & RA reports.

- **Case Management**

Designed to support a logical user workflow, from case creation to decision making and follow-up actions such as reporting, alerting other teams or deactivating suspect accounts.

- **Database**

Stores both raw data and historical alarms and cases. It will support queries designed to extract data during investigations and also allows for reports to be produced.

- **Efficiency**

The system will handle both existing and new types of data feed. The statistical approach for alarm creation, combined with the real time active alarming will detect the fraud in any shape or size .

- **Alarm Management**

Allows viewing real-time alarms that use live network data or event records and profiling alarms that are based on trends and patterns in larger sets of data.



Mark Johnson, Chairman of The Risk Management Group (www.trmg.biz) has been able to review Vekomy's product development stages over an extended period. Speaking to Vekomy recently, Mark commented that,

“Vekomy have developed a very interesting set of capabilities. The solution is attractive to users because of its modern interface, and it appears to be highly flexible and customisable, offering great promise. I was particularly struck by the way in which new data sources and formats are handled, this being one of the key bottlenecks that many solutions face in this space. Of equal importance are the solution's apparent convergent capabilities as it is more than just a revenue assurance tool. Fraud detection is already a clear part of the product's roadmap, but the analysis of financial transactions and IP data, as well as other emerging sources, should not present a challenge to this toolset. Operators should certainly take a look at this solution when selecting a new risk analytics product.”

Features

- ✓ Single platform supporting any combination of data exchange between any systems in online and offline mode.
- ✓ Adaptable, workflow technology based on configuration.
- ✓ Scalable, distributed scale-out architecture.
- ✓ True Hardware Independence, cost-efficient hardware investments
- ✓ Development Toolkit, Vendor independence.

V - Optimizer provides,

- ✓ Cost and time effective solutions for complex mediation requirements.
- ✓ Flexible deployment and configuration options to reduce the time by which new requirements can be met.
- ✓ Configuration, as opposed to customization, of standard product is used to create customer specific mediation solutions.
- ✓ Supports standard and non-standard output formats off-the-shelf
- ✓ Allows for new technologies and services to be added to the network without changes.

V-Optimizer reduces the number of integration points that are required to efficiently manage usage data in any type of network. It provides the functions to enrich and transform the data using a flexible workflow engine. Integration processes and business rules are modeled, configured, deployed, and maintained through an intuitive graphical user interface.



Mediation for Billing

Charging and delivering of services are dependent on a seamless flow of data between the serving network and systems for billing. The data must also be managed to prevent that it is being lost, duplicated or corrupted.

Mediation for Service Assurance

In order to enable customer-centric analysis in customer experience monitoring tools, it is necessary to collect and process more event data than previously predicted. This drives a need for new solutions which can cope with the complexity of collecting and consolidating millions of signal events per second, from thousands of connection points in real-time. v-Optimizer stands up to this challenge while significantly reducing costs for integration and performance.



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