



The Peeredge Reporting Fabric

The reporting of telecommunications traffic is as critical as being able to successfully switch and route calls. The volume of Call Detail Records (CDRs) generated by the Peeredge platform and traditional SBCs are growing at an exponential pace and the collection and analysis of the records can spell the difference between success and failure. The Peeredge Reporting Fabric is a reporting platform capable of processing, in real time, an unlimited stream of CDR records from any source and can store those records forever. Our

patented engine (USPTO 8817652) provides up to the second access to call quality, fraud, financial and call control information. The records stream through our infrastructure and are processed in milliseconds at any scale. You simply cannot out-scale the solution. The fabric also has native high-availability and automatically self-heals, which means you never have to worry about losing records.

Reporting Fabric Capabilities

— CALL QUALITY METRICS

- ASR
- QSR
- PDD
- ALOC (ACD)
- Attempted CPS
- Actual CPS
- Ports (Sessions)
- Durations (Long/Short Report)
- Prefixes
- Countries
- Destinations
- NPA/NXX
- SIP status code / SIP reason code
- Failure reports
- ANI/DNIS
- Unauthorized endpoints

— FINANCIAL

- Revenue (trunk group, destination, breakout)
- Cost (trunk group, destination, breakout)
- Margin (trunk group, destination, breakout)
- Margin percentage (trunk group, destination, breakout)
- Profit protection analysis (trunk group, destination, breakout)

— INVOICING

- Per carrier / trunk group
- Automated invoicing
- Customizable templates (email / invoice format)
- Timezone invoicing
- Batch invoicing
- Full invoice history
- Full e-mail history including e-mail open tracking
- Invoice auditing

— BALANCE / PAYMENTS

- Realtime offsetting of bilateral traffic on balance
- Payment tracking
- Prepay warning / suspensions
- Payment / balance reporting
- Exportable balance information
- Bulk payment / balance operations

— GRAPHING

- Full graphing on all call quality metrics
- Daily / week-over-week graphing overlay
- Ports graphing
- CPS graphing
- Destination graphing
- Full graphing on financial metrics
- Dashboard

— CDR

- Full CDR searching and exporting
- Realtime access to call detail records
- Instant record search by ANI/DNIS/LRN/Call-Id
- Hourly searches
- Daily/monthly searches
- Full call flow combined in records
- CDR reconciliation

— MANAGEMENT

- Full integration into the Peeredge ecosystem of products
- Realtime analysis from multiple data sources, including traditional SBCs and the Peeredge Switching Fabric with full interoperability
- Responsive and SSL secured web interface with native tablet and phone web browser support.
- Wizard based setups to manage all aspects of Peeredge.
- Automatic software updates and monitoring by 46 labs staff.

— REDUNDANCY

- Full rack-aware and datacenter aware reporting topology
- 3 copies of call detail records / reporting analytics stored in redundant facilities
- Multi-datacenter support with site failover
- Self-healing cluster with zero downtime failover.

The Peeredge SIP Switching Fabric

