

# Informatica CDR Data Integration Solution:

## Unlock the Full Business Value of Call Detail Records

Staying competitive in the telecommunications industry means leveraging the information in call detail records to deliver quality voice and data services, respond rapidly to market demands, and maximize revenues. But to achieve these goals, your company must integrate large volumes of data in multiple formats from a wide range of systems—all while juggling technological changes such as 3G expansion and 4G/LTE network rollout and consolidation.

The Informatica® CDR Data Integration Solution leverages Informatica's leading data integration platform to meet the specific needs of the telecommunications industry for comprehensive CDR data viewing, analysis, transformation, validation, and testing.

The solution simplifies and automates managing data through Informatica B2B Data Transformation™, which supports next-generation CDR data in complex XML format as well as structured and unstructured data in a variety of industry standards. Informatica B2B Data Exchange™ then routes and delivers the transformed data from any sources to any destinations, while detecting quality problems and providing end-to-end visibility.

As a result, your company can readily unlock the strategic benefits within its CDR data, even in complex multivendor environments and on next-generation networks.

### BENEFITS:

- Achieve end-to-end, universal data integration and transformation
- Maximize strategic value of CDR data
- Decrease revenue leakage from inaccurate billing, data errors, and network changes
- Identify and resolve service quality issues faster and more accurately
- Identify new revenue opportunities with deeper insight into customer behavior and trends

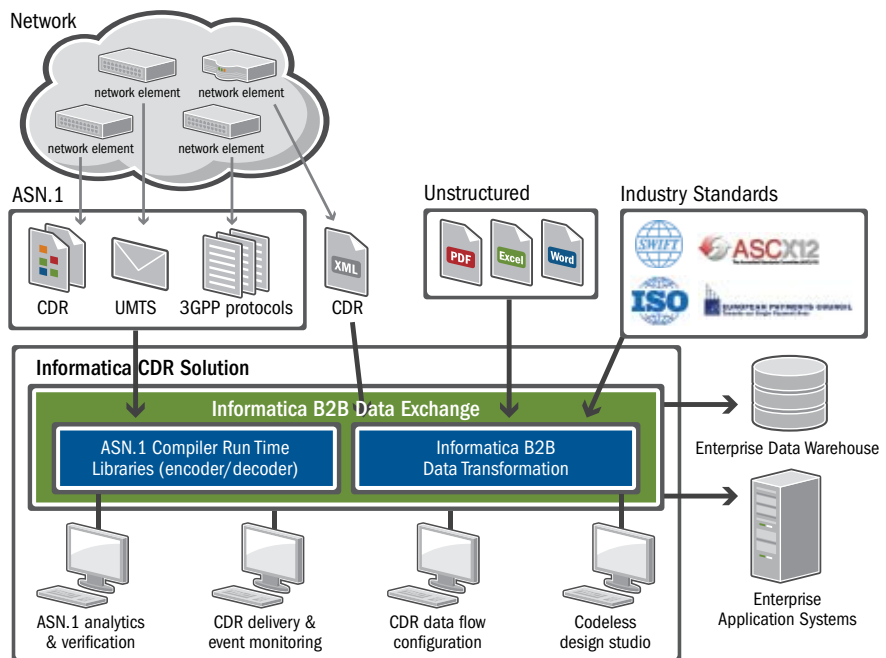


Figure 1: Informatica CDR Data Integration Solution

## Key Features

### Parsing and Converting CDR Data

- Ensure compliance with ASN.1 standard through out-of-the-box code generation and customized support
- Parse CDR data including UMTS messages, 3GPP protocols, E-UTRAN S1 Application Protocol, and E-UTRAN X2 Application Protocol
- Automate conversion of ASN.1 BER binary encoded CDR, TAP, and RAP data into XML and ASCII
- Parse CDR data in multiple other formats, such as XML
- Ensure interoperability with new network equipment that generates data in non-ASN.1 formats

### GUI Tool for Message Definition, Construction, and Verification

- Create and modify messages and message definitions with user-friendly front-end tool
- Readily verify complex messages according to any ASN.1 syntax
- Shorten debugging cycle by checking syntax and semantics in easily readable format

### Universal Data Transformation

- Perform true any-to-any data transformation using the broadest set of prebuilt transformations on the market
- Easily transform multiple industry-specific, document, and legacy formats as well as flat files
- Embed a high-performance transformation engine in any middleware environment

### Data Management, Monitoring, and Tracking

- Achieve end-to-end visibility through tools, including event viewer, event hierarchy, event status, and event lineage
- Monitor data events at both the process level and the data level
- Ensure data is delivered in a timely, accurate, reliable form

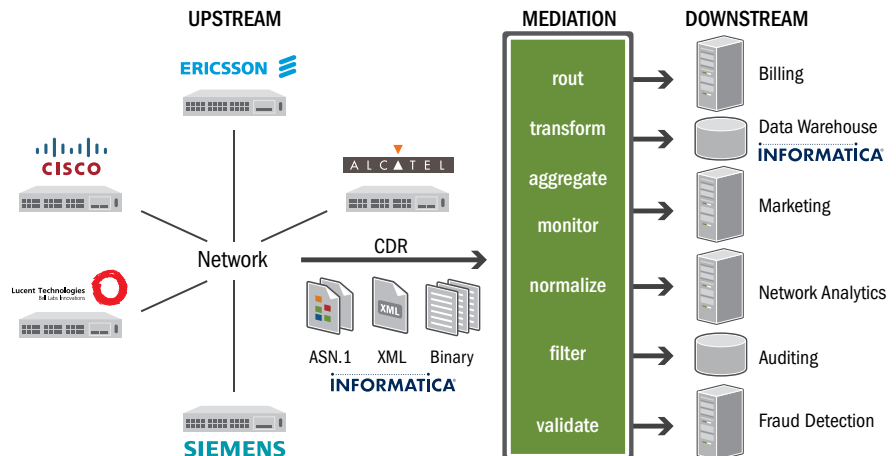


Figure 2: CDR data end-to-end integration flow

## Benefits

### Leverage Informatica's Industry-Leading Data Integration Platform

Powered by the Informatica Platform, the Informatica CDR Data Integration Solution lets your IT organization address critical issues specific to the telecommunications industry using proven core technologies that deliver end-to-end data integration and data exchange. Instead of manual coding and debugging, they can move promptly to problem solving and decision making.

### Maximize Strategic Value of CDR Data

The Informatica CDR Data Integration Solution provides your IT organization with a single approach to meeting demands for reliable, relevant data throughout the enterprise. As a result, your business can make faster, more timely decisions about marketing, customer service, and quality assurance initiatives.

### Decrease Revenue Leakage

With the CDR Data Integration Solution, you can patch the revenue leaks often introduced by billing issues, mediation and CDR errors, and network upgrades and consolidation. By integrating data across multiple systems, your business can more readily capture potential revenues that might otherwise be lost.

### Resolve Service Quality Issues

The CDR Data Integration Solution facilitates the tight network traffic monitoring that helps maintain consistent, high-quality performance. Your SLA compliance and customer satisfaction levels remain high when your quality assurance team can spot, quantify, and resolve issues proactively.

### Identify New Revenue Opportunities

The CDR Data Integration Solution delivers timely statistics about multiple aspects of network performance, service adoption and usage, and customer experience. This data gives your network planners, sales and marketing department, and call center staff improved insight into customer behavior and market demand—and allows them to respond promptly with desirable new products and services.

## Learn More

Learn more about the Informatica CDR Data Integration Solution and the entire Informatica Platform. Visit us at [www.informatica.com](http://www.informatica.com) or call (800) 653-3871.

## About Informatica

Informatica Corporation (NASDAQ: INFA) is the world's number one independent provider of data integration software. Organizations around the world gain a competitive advantage in today's global information economy with timely, relevant and trustworthy data for their top business imperatives. More than 3,900 enterprises worldwide rely on Informatica to access, integrate and trust their information assets held in the traditional enterprise, off premise and in the Cloud.

**INFORMATICA**<sup>®</sup>  
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