

# Billing System for Convergent Services

## Introduction

Comarch Billing System for Convergent Services enables providers of telecommunication services to rate and control **voice and non-voice** services in conventional telephony, mobile, cable, broadband and other networks. All those services may be offered with a wide range of tariffs and discounting schemes and with full **convergence** which is crucial for **next generation** services.

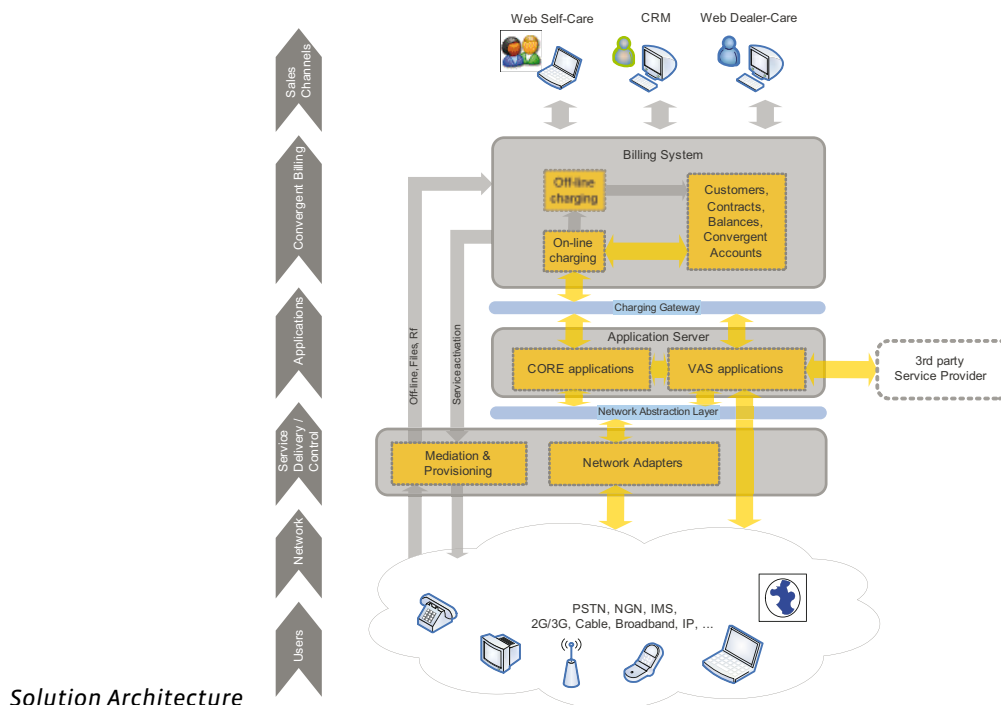
The core solution functionality is On-line and Off-line charging supported by Comarch Billing System which covers:

- **Off-line** charging encompassing the entire **batch billing** process (mediating and loading usage data from many data sources, rating, discounting, invoicing, collecting payments, dunning, reporting)
- **On-line** charging (**real-time** charging using standard **NGN** and **IMS** interfaces, **prepaid** balance and **recharge** management). This charging supports both event-based charging and **session-based charging**.

This **end-to-end** solution consists of several Comarch products from **BSS, OSS** and **VAS** portfolio and solves problems across multiple business layers for users and their terminal devices, access networks, service delivery/control, service logic, convergent billing and sales channels.

## Solution key features

- **Multilevel convergence**
  - **Prepaid/postpaid** convergence
  - **Service** level convergence
  - **Customer** experience convergence
  - **Network** convergence
- **Rule-based** rating and **real-time** rating including numerous ranges of tariffs, taxation and discounting schemes that are open for future services.
- **Traditional, NGN, IMS, Mobile, Cable, Broadband** and other networks



- Support for **Voice** and **non-Voice** services
- **Account Management** and **Customer Management**
- **Product Catalog** enabling full **product lifecycle management** and flexible pricing definition with many discounts
- Support for **multiple billing providers**, product providers, network providers, payment providers and **sales partners**.
- **Various business models** with quick implementation of business rules addressing fixed operators, MNO, MVNE and MVNO, Triple and Quadruple Play and modern IPTV service providers.

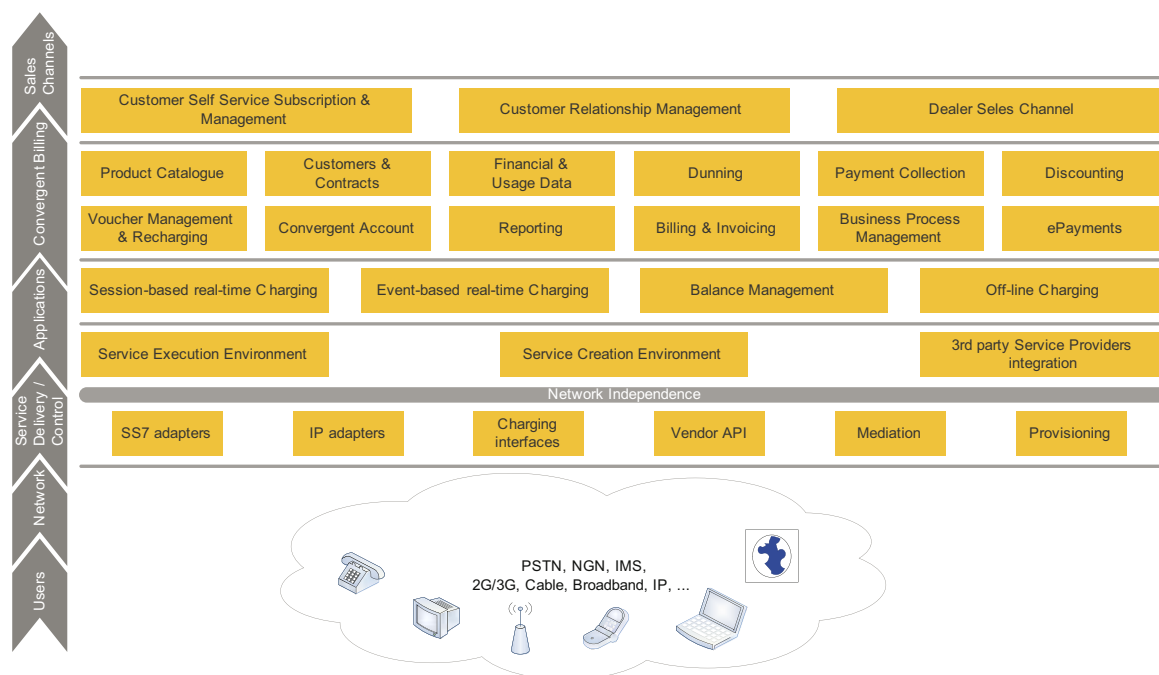
### Supported signaling protocols

- **SIP** (with many extensions), **B2BUA**, **IMS/ISC**
- **DIAMETER** (charging), **RADIUS** (AAA interface)
- **CAMEL**, **WIN**
- **INAP**, **AIN**, **ISUP**
- **SIGTRAN**
- **Parlay/OSA**, **ParlayX**
- **IN** proprietary **API** (integration for charging)

- **SMS**, **GPRS** (using proxy, gateway or signaling protocol)
- **OMA** (SMPP, MM7, MLP, IMPS)
- **MAP**, **ANSI-41**

### Benefits

- **Increased Competence** – fast time to market for new services
- **Reduced costs** – by reusing system infrastructure for launching new services in next generation and legacy networks
- **Increased customer satisfaction** – single Customer Self-Care system and single account and invoice for all services
- **Customer diversification** – easy integration with 3rd party service providers enabling services for niche-markets
- **Reduced churn rate** – telco-grade solution – upgrade and service changes with minimal impact to existing services



### Solution Features

**Comarch Headquarters**  
 Al. Jana Pawła II 39 a  
 31-864 Krakow  
 Poland  
**phone:** +48 12 64 61 000  
**fax:** +48 12 64 61 100  
**e-mail:** info@comarch.com

[www.telecommunications.comarch.com](http://www.telecommunications.comarch.com)

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