

Solutions for Service Providers and VoIP Operators

3arts. BSS, OSS, CRM. All in one

Comarch 3arts is designed for Internet Service Providers, VoIP operators and other service providers who require the rapid introduction of novel, modern services for their customers.

This solution covers the entire product preparation processes, defining the details of the services offered, publishing and selling those services over available sales channels, service activation, control and billing, as well as monitoring and reporting.



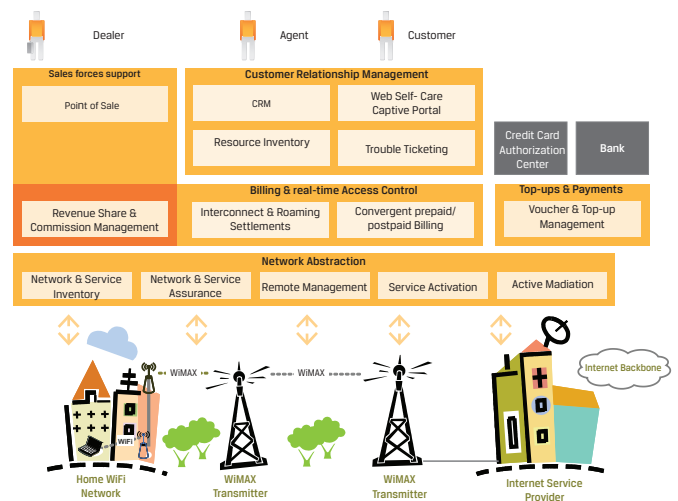
- Low-cost, convergent BSS/OSS/CRM
- Perfect for all small and startup operators
- Rapid and efficient new services launching
- Multi-tenancy and resellers branding
- Support of numerous service types: WiMAX, WiFi, xDSL, VoIP, IPTV and content.
- Short implementation period.

End-to-end solution for WiFi and WiMAX

Comarch's end-to-end WiMAX solution is suitable for start-up WiMAX operators and also for already established operators that want to expand their service portfolio into WiMAX services. The solution's advantages for operators can be classified as a reduction in operating costs, improved time-to-market for new services, a single platform for managing multiple types of services, improved customer experience (thus, reducing churn), and seamless integration with third party systems.

Key features of the solution:

- WiMAX and WiFi network support
- Prepaid and postpaid service billing
- Coverage maps
- Network and service monitoring
- Trouble ticketing
- Customer Relationship Management
- Web portal for customer self care and captive portal
- Multi-tenancy and reseller branding.



Main benefits of the solution:

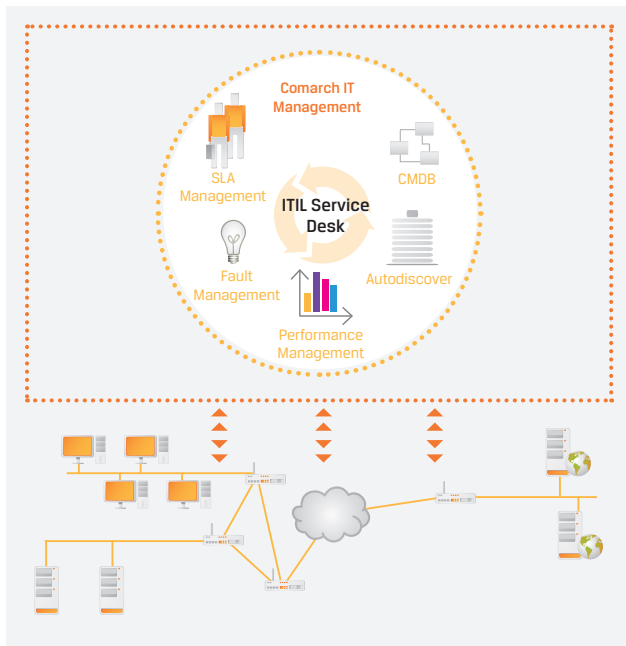
- Reduced operating costs
- Improved time-to-market for new services
- Single platform for managing multiple services
- Integration with external systems via standard-based APIs
- Short implementation time.

What can Comarch offer?

- Green field deployments
- Network planning
- Installation and integration of network infrastructure
- Design of services
- Analysis of customer's' business processes
- Implementation of OSS/BSS/CRM systems
- Project management
- Data Center services
- Maintenance and operation services.

Comarch IT Management

Within Comarch IT Management, our own experience in selling IT services is combined with the unparalleled capabilities of the Comarch Network and Service Management platform that has been tested by numerous implementations within demanding telecom providers' environments. These two factors result in a robust solution that matches the practical requirements of IT managers independently should their networks be either small but efficient, or big yet flexible.



Comarch IT Management provides fault and performance monitoring, auto-discovery and CMDB functionalities, SLA management, as well as an ITIL-based process environment. Comarch's product is unique on the crowded market of IT Management systems, and it will grow in tandem with the company through integration of new modules and functions if needed.

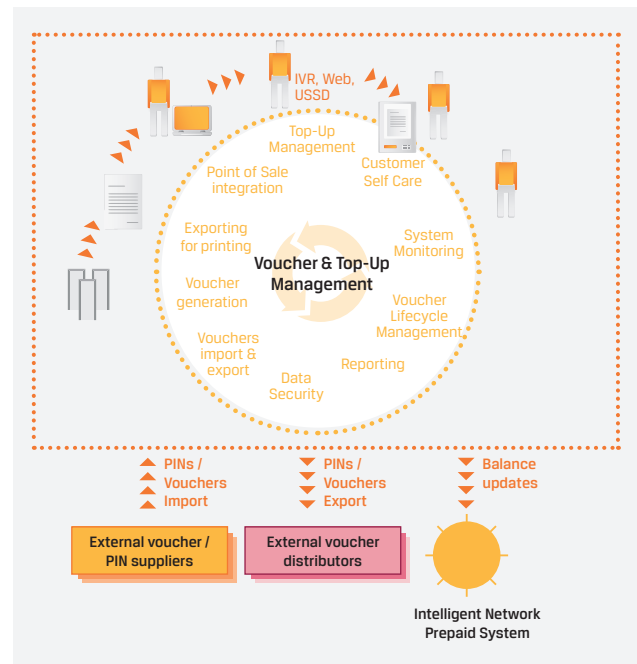
Voucher & Top-Up Management

Comarch Voucher and Top-Up Management is an independent component supporting operators with the management of vouchers and recharging of user accounts. The system can be integrated with existing network infrastructure, such as media gateways, or delivered with a dedicated IVR module.

The solution is ideal for handling entire Voucher Management processes related to VoIP and all occasional internet access services.

Highlight

- Robust solution tested within demanding telecom providers' environments.



About Comarch

Since 1993, Comarch has been specializing in designing, implementing, and integrating solutions and services for telecommunications operators. Experience gained throughout this period, in addition to the company's knowledge of the latest industry trends led to the development of a wide customer portfolio that is spread across 4 continents and includes some of the biggest market players, such as T-Mobile International, Telefónica O2 Germany, as well as MVNO operators such as Auchan Telecom, France. The satisfaction of Comarch's customers has always been the strongest confirmation of the quality of its solutions in the areas of billing and inter-partner settlements, as well as management of telecommunications networks and services. Comarch's solutions for telecom operators are intended for **Fixed, Cable and Broadband Operators, Mobile Operators, Wholesale Departments, MVNO/MVNE Operators, ISPs and VoIP Operators** and **Content Providers** and **IPTV Operators**.

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Comarch Spółka Akcyjna with its registered seat in Kraków at Aleja Jana Pawła II 39A, entered in the National Court Register kept by the District Court for Kraków-Śródmieście in Kraków, the 11th Commercial Division of the National Court Register under no. KRS 000057567. The share capital amounts to 7,960,596.00 zł. The share capital was fully paid, NIP 677-00-65-406
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