

## Comarch Custody

Comarch is a global business solutions provider which specializes in forging business relationships that maximize customer profitability while optimizing business and operational processes.

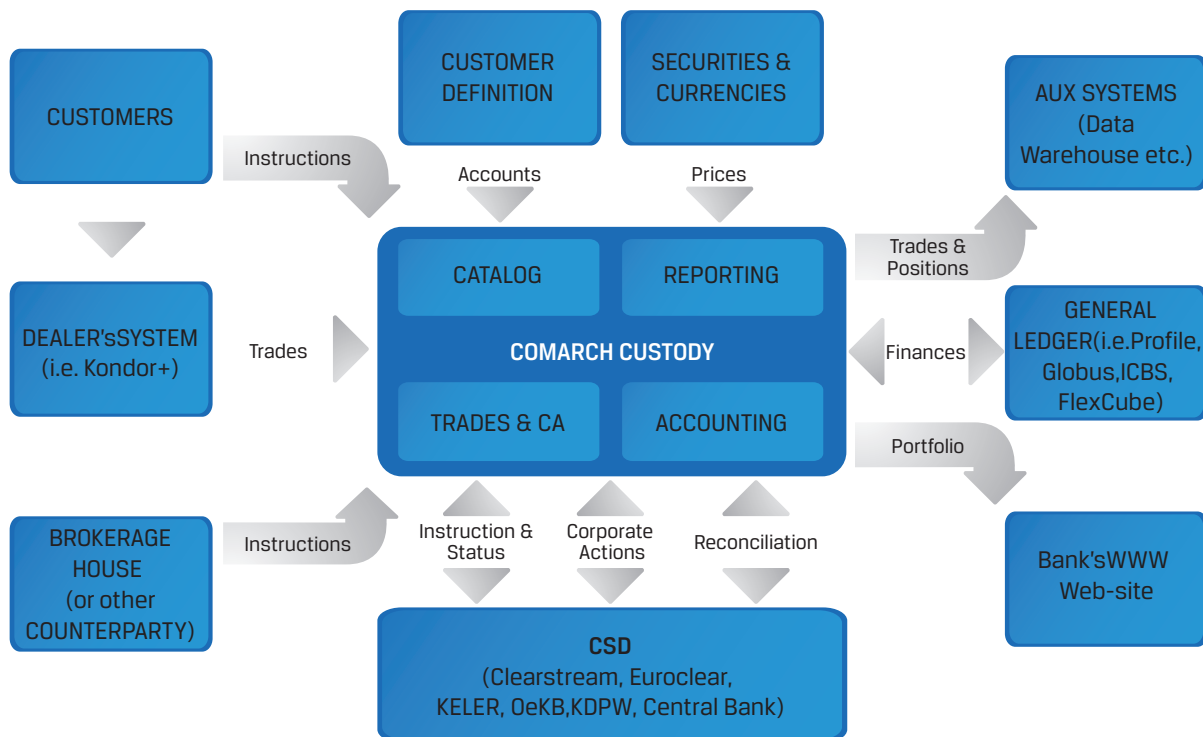
Comarch's primary advantage lies in the vast knowledge accumulated in and applied to our software products

### Comarch Custody

Comarch Custody is a comprehensive tool that helps the Custodian Bank process transactions and corporate actions on securities. The system keeps a record of all the transactions conducted by clients on regulated and OTC markets domestic or foreign. It also takes care of all settlement elements (trade instruction matching, electronic communication with the customer and Central Depository of Securities (SWIFT, XML), position accounting, internal and regulatory reporting, fees and taxes). The most common configuration, sees the



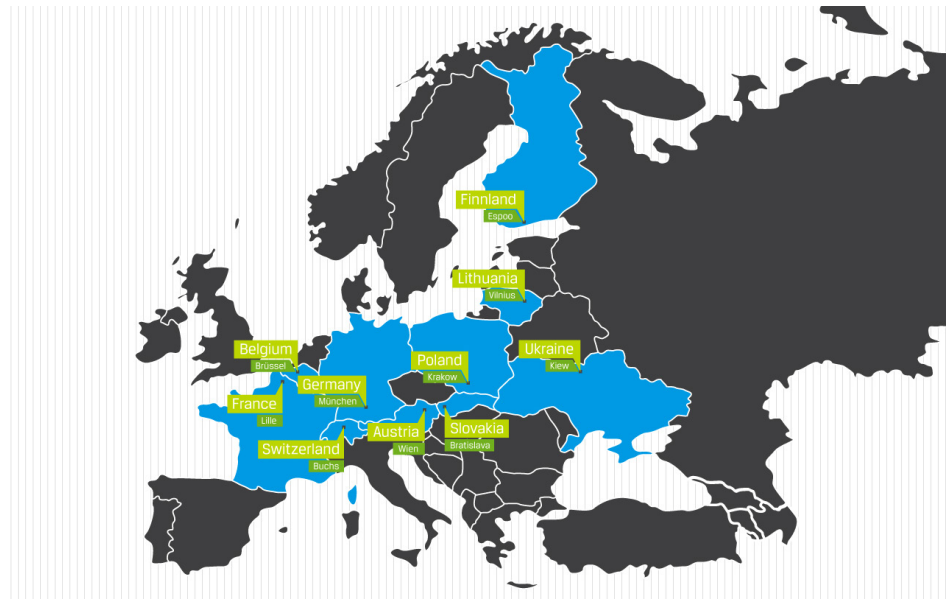
Comarch Custody System processing customer instructions received as SWIFT messages and records from the Bank's trade systems or the WWW Custody portal. Trades and CAs are sent to the CSD system and settled automatically. Trade settlement initiates a financial settlement in the General Ledger system and is distributed to auxiliary systems for further analysis or presentation.



Comarch has a multinational network of offices, which employ more than 3000 highly experienced IT specialists, in Europe, the Middle East and the Americas.

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## Comarch Custody covers:

- The recording and book-keeping of transactions on securities kept in the Central Depository for Securities or with issue agents of non-public securities
- Various debt instruments, equities and rights stored on one system, regardless of their place of settlement, place of safekeeping or currency
- Customized financial and quantitative account and booking scheme charts
- The processing of corporate actions and operations on securities (interest payments, full or partial redemptions, dividends, split, assimilation etc.)
- The direct processing of customer MT 5XX SWIFT messages (settlement instructions, transaction confirmation and corporate actions, status reporting, reconciliation reporting and statements)
- An automatic data exchange with depository institutions (online or offline, by SWIFT, XML or customized message format)
- The import of transactions from the bank trading system (eg. Kondor+, Globus)
- A 'Delivery vs Payment' financial interface to the general ledger system with online bank account balance query, blockades and payment initiation
- Data exchange with auxiliary systems (money laundry, the external customer base, the eCustody WWW portal, data warehouse etc.)
- Customer & counterparty cataloging
- Commission calculation (settlement fees, safekeeping fees, personal or intermediary)
- Adherence to duties imposed by supervisory institutions and the law, (accounting, reports, trade parameters validation for MIFID, capital income tax and CA payment taxes)
- Work-flow customization, catalogue data, interfaces and reporting, according to Bank's local requirements
- Easy access to data on processed transactions, operations on securities, account balances and calculations with the use of third party database tools
- Access rules, audit logs and four-eye principle implemented in trade processing and manual data change
- Three-layer architecture, based on highly efficient Oracle database, JBoss or WebLogic application server and English JAVA/AJAX GUI compatible with all popular browsers

Catalogue » Transactions » Accounting » Finance » Reports » Interfaces » Administration » Dictionary »

### Transaction list

Fold external filter

Deposit types:  KDPW  NBP  CP  FORE  EXT

Statuses:  REG  VER  CNF  SET  CAN  CLS  LSE

Dates: Query Trade from 27-08-2009 to 03-09-2009 Value from to

Unfold advanced filter [Filter: ]

Hide Table

results at page 20 1-20 / 3001 11:45:01

Sys. ref.	Deposit	Status	Deal	NDS St	Fin St	Instr. Acc	NDS Account	Deal Dt	Est. Sett Dt	Sett Dt	Security	B/S	Quant	Price	Value	Brk Fee	Net Value	Curr	P/F	Oper	MT
T09092800118	KDPW	SET	TRANS	STLD		200000003P	5007 00002 NRESI 00	25-09-2009	29-09-2009	29-09-2009	PLRELP000014	B	1 000,00					PLN	FREE	TR	NR
T09092800117	KDPW	CAN	TRANS			200000003P	5007 00002 NRESI 00	25-09-2009	29-09-2009	29-09-2009	PLECHP500019	B	1 000,00					PLN	FREE	TR	NR
T09092800116	KDPW	SET	TRANS	STLD		200000003P	5007 00002 NRESI 00	25-09-2009	29-09-2009	29-09-2009	PLRELP000014	B	1 000,00					PLN	FREE	TR	NR
T09092800115	KDPW	SET	TRANS	STLD		200000003P	5007 00002 NRESI 00	25-09-2009	29-09-2009	29-09-2009	PL0000101259	B	1 000,00					PLN	FREE	TR	NR
T09092800114	KDPW	CNF	TRADE	SUSP		200000003P	5007 00002 NRESI 00	25-09-2009	29-09-2009	29-09-2009	PLECHP500019	B	11,00	104,27	10 531,16	30,19	10 561,35	PLN	PAYM	TR	XG
T09092800113	KDPW	VER	TRADE			200000003P	5007 00002 NRESI 00	25-09-2009	29-09-2009	29-09-2009	PLRELP000014	B	11,00	103,26	10 325,89	30,18	10 356,07	PLN	PAYM	TR	XG
T09092800112	KDPW	CNF	TRADE	SUSP		200000003P	5007 00002 NRESI 00	25-09-2009	29-09-2009	29-09-2009	PLECHP500019	B	11,00	102,25	10 122,64	30,17	10 152,81	PLN	PAYM	TR	XG
T09092800111	KDPW	VER	TRADE			200000003P	5007 00002 NRESI 00	25-09-2009	29-09-2009	29-09-2009	PLRELP000014	B	11,00	101,24	9 921,41	30,16	9 951,57	PLN	PAYM	TR	XG
T09092800110	KDPW	CNF	TRADE	PENF		200000003P	5007 00002 NRESI 00	25-09-2009	29-09-2009	29-09-2009	PL0000101259	B	11,00	100,23	9 722,20	30,15	9 752,35	PLN	PAYM	TR	XG
T09092800108	KDPW	SET	STSCH			100000001	5007 00001 RESI 00	28-09-2009	09-10-2009	29-09-2009	PLEXSI000003	S	50,00					PLN		ZS	
T09092800101	KDPW	SET	TRADE	STLD		100000001	5007 00001 RESI 00	28-09-2009	05-10-2009	02-10-2009	PLEXSI000004	S	90,00	22,67	2 040,00	200,00	2 240,00	PLN	PAYM	TR	XG
T09092800007	KDPW	REG	TRANS			200000003P	5007 00002 NRESI 00	25-09-2009	25-09-2009	25-09-2009	PL0000103305	S	25,00					PLN	FREE	PT	IN
T09092500052	KDPW	CNF	TRANS	PENF		200000003P	5007 00002 NRESI 00	25-09-2009	25-09-2009	25-09-2009	PL0000103305	S	25,00					PLN	FREE	PT	IN
T09092500033	KDPW	SET	REPOO	PENF		200000003P	5007 00002 NRESI 00	25-09-2009	25-09-2009	25-09-2009	PL0000103305	B	52,00	99,55	4 977,50			PLN	PAYM	RE	NR
T09092500032	KDPW	SET	REPOO	PENF		2000000002	5007 00001 RESI 00	25-09-2009	25-09-2009	25-09-2009	PL0000103305	S	52,00	99,55	4 977,50			PLN	PAYM	RE	NR
T09092500024	KDPW	SET	REPOO	PENF		200000003P	5007 00002 NRESI 00	25-09-2009	25-09-2009	25-09-2009	PL0000103305	B	51,00	99,55	4 977,50			PLN	PAYM	RE	NR
T09092500023	KDPW	SET	REPOO	PENF		2000000002	5007 00001 RESI 00	25-09-2009	25-09-2009	25-09-2009	PL0000103305	S	51,00	99,55	4 977,50			PLN	PAYM	RE	NR
T09092500021	KDPW	CAN	REPOO			200000003P	5007 00002 NRESI 00	25-09-2009	25-09-2009	25-09-2009	PL0000103305	B	51,00	99,55	4 977,50			PLN	PAYM	RE	NR
T09092500020	KDPW	CNF	REPOO	PENF		2000000002	5007 00001 RESI 00	25-09-2009	25-09-2009	25-09-2009	PL0000103305	S	50,00	99,55	4 977,50			PLN	PAYM	RE	NR
T09091700026	CEDEL	REG	TRANS			00020002	00002		23-02-2009		SEBOLUF000010	S	14,00						FREE	PT	

Confirm Choice

Transaction parameters

Next Status: Settlement Cancellation Enter Instructing Account Go to

Fold details

Trade details Bookings Process/Book schemes Balances Process log Interfaces

Parameter	Value	Parameter	Value
NDS Status	STLD	Instructing Party reference	xtst-0001800g-09-02
Fin Settlement Status		Instructing Party Depository Reference	
Depository id	Depozyt KDPW	Group	Households - Non-resident (IPN)
Instructing Party Account	100000001 - 100000001-Ewa Nowak	Intermediary	Yes
Instructing Party Depository Account (level 2)	5007 00001 RESI 00	Art. 121	Yes
Deal Date	28-09-2009	Instruction Type	
Estimated Settlement Date	05-10-2009	Art. 121 Ref	

Trade list - main screen for transaction browsing and processing

## Modules:

- **User Administration Module** (Creating users and passwords or integration with central user directory (Active Directory, LDAP)).
- **System Administration Module** (Creating and managing access rights for system screens and functions)
- **Catalogue Module** (Definitions of securities, customers and counterparties, which take part in operations on securities processed in other modules)
- **Trade Module** (Registration and processing of all trades, corporate actions and operations on securities. Transaction parameter set and work-flow is customized to reflect the requirements of CSD and internal operating regulations.)
- **Book-keeping Module** (Managing the account chart, booking and storing current and historical balances on system accounts).
- **Analytical Module** (Analyses and calculations based on settled trades, account balances and catalogue definitions - portfolio valuation, taxes, fees, stock share calculation, trade or position limits etc)
- **Communication Module** (Processing of data imported and exported between Comarch Custody and external systems (i.e SWIFT MT5XX, financial settlement, quotation import, dealer system, reconciliation files, trades & balances extract, money laundry file)
- **Reporting Module** (Reports for regulatory institutions, customer statements and customized internal reporting, also a tool for automatic report generation (report queue and scheduler). Reports can be displayed on screen, (printed or saved to files.)
- **Dictionary Module** (Administration tool for defining various important system elements: customer parameters, securities, accounting rules, trade work-flow, etc. The Dictionary Module can be accessed by Bank users for modification)

Catalogue » Transactions » Accounting » Finance » Reports » Interfaces » Administration » Dictionary »

Market Data

Hide Table results at page 20 1-20 / 20 10:06:33

CA type-	ISIN-	Record date-	Pay date-	Status-	Deposit ref number-	System references-
DVCA	PLAGORA00067	07-08-2009	14-08-2009	PREU		DVCA/PLAGORA00067/AK01
DVCA	PLCA00000001	26-08-2009	27-08-2009	PREC	DWCATS1	TS DVCA 1
EXCO	PLAGORA00067	24-08-2009	24-08-2009	COMP		EXCO/PLAGORA00067/AK02
EXCO	PLAGORA00067	20-08-2009	20-08-2009	COMP		EXCO/PLAGORA00067/AK01
EXCO	PLAGORA00067	25-08-2009	25-08-2009	COMP		EXCO/PLAGORA00067/AK03
EXSI	PLAK00000003	25-08-2009	25-08-2009	COMP		EXSI/PLAK00000003/AK05
EXSI	PLAK00000002	26-08-2009	26-08-2009	COMP		EXSI/PLAK00000002/AK06
EXSI	PLAK00000001	23-06-2009	23-06-2009	ENTL		EXSI/AK/002
EXSI	PLAK00000001	22-06-2009	22-06-2009	ENTL		EXSI/AK/001
INTR	PLTAXWT00016	01-09-2009	11-09-2009	PREU	REFDEP_WT	TAXWT16_01
INTR	PL0000000001	28-07-2009	28-07-2009	PREU		INTR/PL0000000001/AK01
INTR	PLCA00000003	25-08-2009	26-08-2009	PREC	ODS_TS1	TSINTR1
INTR	PL0000000002	30-07-2009	31-07-2009	PREU		INTR/PL0000000002/AK02
LAP5	PL0000000002		20-08-2009	COMP		LAP5/PL0000000002/AK01
PCAL	PL0000000001	07-09-2009	07-09-2009	PREU		PCAL/PL0000000001/AK01
PRED	PL0000000001	09-09-2009	09-09-2009	COMP		PRED/PL0000000001/AK10
REDM	PLTAXWT00014	26-08-2009	31-08-2009	PREC		TAXWT14
REDM	PLCA00000004	25-08-2009	26-08-2009	PREC	TSDEPREDM1	TSWEWREDM1
REDM	PL0000000001	03-08-2009	12-08-2009	COMP		REDM/PL0000000001/AK02
REDM	PL0000000001	28-07-2009	28-07-2009	PREU		REDM/PL0000000001/AK01

Save Delete New Security Definition Go to

Fold details

Details Of Corporate Actions

Parameter	Value
Corporate Action Event Indicator	REDM
CA SWIFT Code	REDM Final Maturity
Depository	KDPW - Depozyt KDPW
Safekeeping Place	
Underlying Security	PLCA00000004 - Papier CA obligacja 4
Tax Payee	Bank for Issuer
Corporate Action Reference	TSDEPREDM1
Mandatory/Voluntary Indicator	Mandatory
Corporate Action Internal Reference	TSWEWREDM1
Effective date	21-08-2009
Ex-Dividend or Distribution Date	24-08-2009
Record Date	25-08-2009
Additional Info	TS wykup
Additional Info (ENG)	TS redemption full
Processing Status	PREC - Preliminary, confirmed

Code	Number	Default	Description
CASH	1	T	Cash Payment - Redemption

Modifications

Save Delete New

Parameter	Value
System Option Ref	Opcja 1
Option Code	CASH
CA Option Number	1,00
Default option	Yes
Redemption Price	1000,00
Paydate	26-08-2009
Estimated Pay-Date	27-08-2009
Currency	PLN - PLN
Exchange Rate	2,00
Exchange Currency	USD - USD
Redemption Date	28-08-2009

Corporate Action catalogue with definition of all processed events

**Comarch SA**

Al. Jana Pawła II 39 a  
31-864 Kraków  
Poland

tel.: +48 12 64 61 000

fax: +48 12 64 61 100

e-mail: info@comarch.com

**www.finance.comarch.com**

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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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