



WAY4 Main Objects

Contents

- 1. Business Objects and WAY4 Objects
- 2. Financial Institutions
- 3. Clients, Contracts, Products
- 4. Contract Hierarchy
- 5. Transactions, Entries
- 6. WAY4 Object interrelationship



Business Objects and WAY4 Objects

Business Objects and their representation in WAY4

Business Object

Bank, Bank Branch

Cardholder

Merchant

Cardholder account

Merchant Account

Card

Device

Product

Transaction, operation

General Ledger, Entry

WAY4 Object

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DB Object

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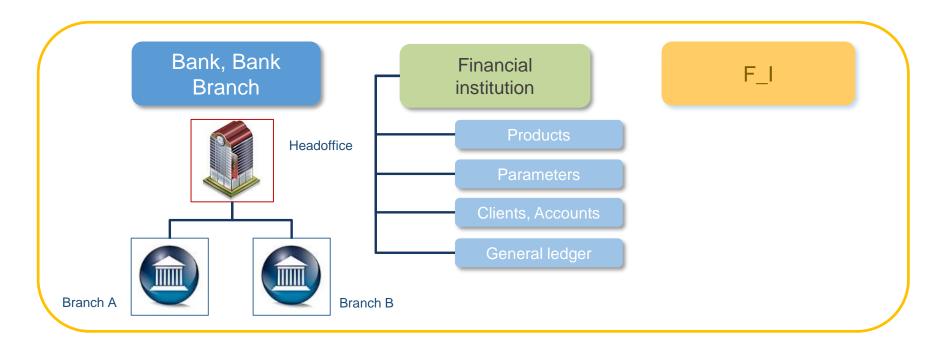
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Financial Institutions in WAY4

Financial Institutions



- Financial Institutions are mirrors of real financial organizations
- The majority of WAY4 objects are defined as belonged to the particular Financial Institution
- The System can process data of unlimited number of Financial Institutions
- For each Financial Institution we specify the set of parameters (currency, country etc.), Products and currency exchange rates
- Clients and their accounts belong to a Financial Institution
- Transaction data and General Ledger data stored in WAY4 after transaction processing is also linked to a specific financial institution.



Clients, Contracts, Products

Cardholder





Merchant



- Client objects are used to identify clients and maintain profiles containing their classification and personal data. A set of additional parameters is used for corporate clients.
- Clients are grouped by category (natural persons, legal persons and bank branches) and by additional parameters determined by their financial institution.

Client Category and Client Types

Private **CARDHOLDER** CLIENT Commercial **MERCHANT CLIENT** Commercial **CORPORATION CLIENT**

BANK DIVISION

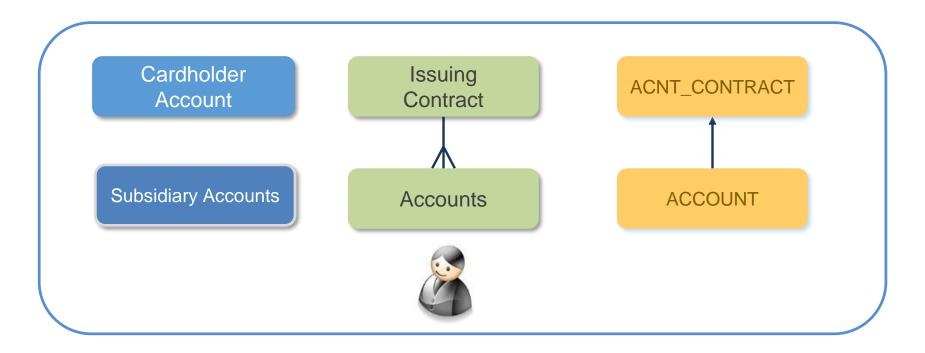
Accountant CLIENT

Client Category

- Private
- Commercial
 - Corporate
 - Merchant
- Accountant

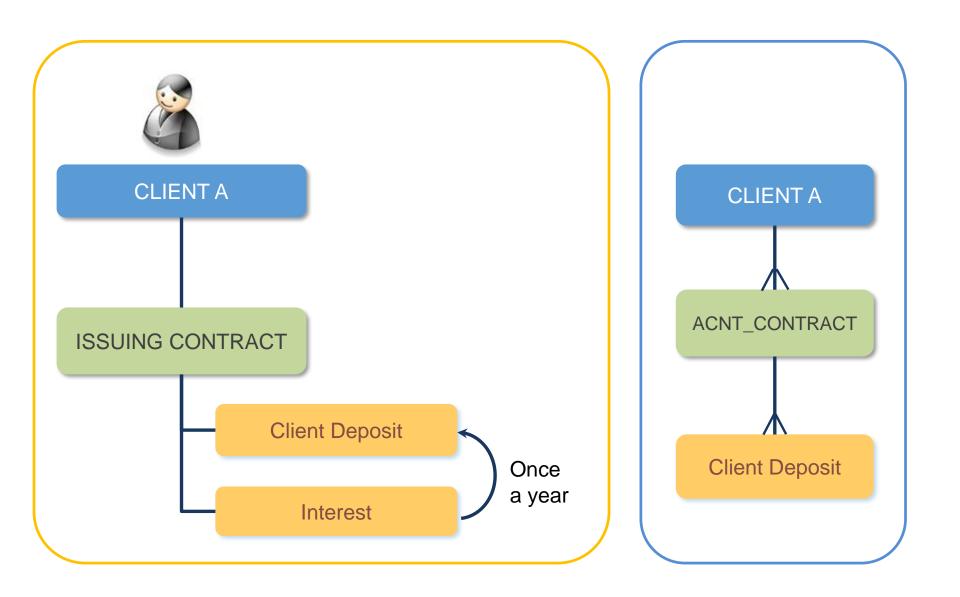
- The list of Client Categories is hardcoded and can't be changed
- The list of standard Client types id preconfigured but can be changed
- The number of Client Types within a given Client Category is not limited
- Some WAY4 manager forms are filtered by the current context (Financial Institution, Client Category, Client Type)

Cardholder Account

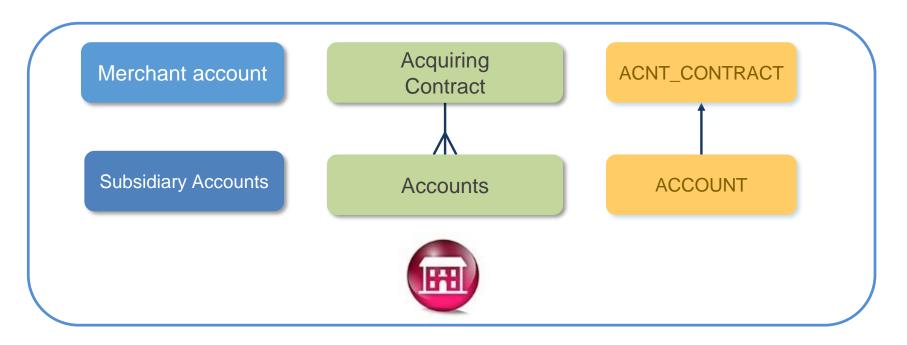


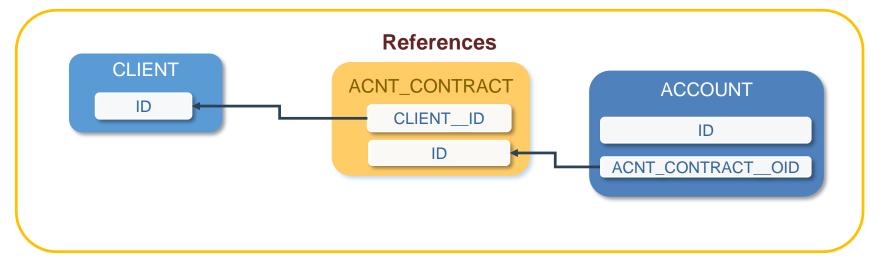
- A contract regulates relations between a financial institution (an issuer and/or an acquirer) and a party involved in a card transaction settlement (a cardholder, merchant or a bank branch).
- A contract is a set of accounts and rules for working with them.

Client Accounts – an example

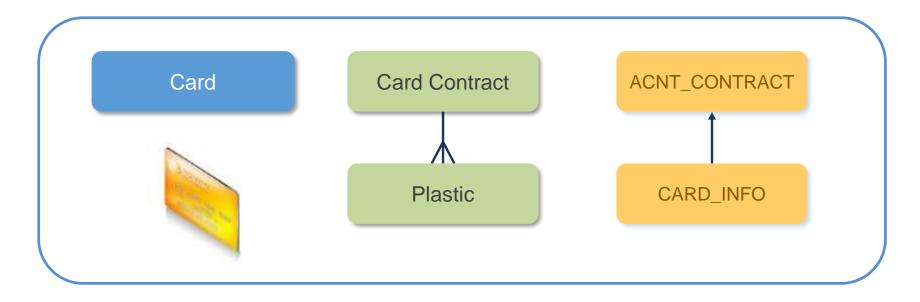


Merchant Account



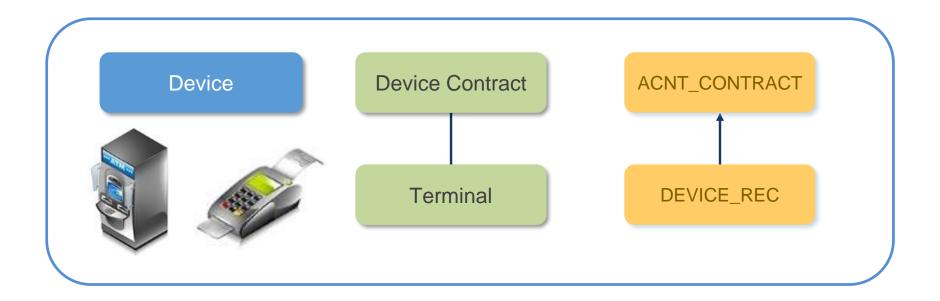


Card



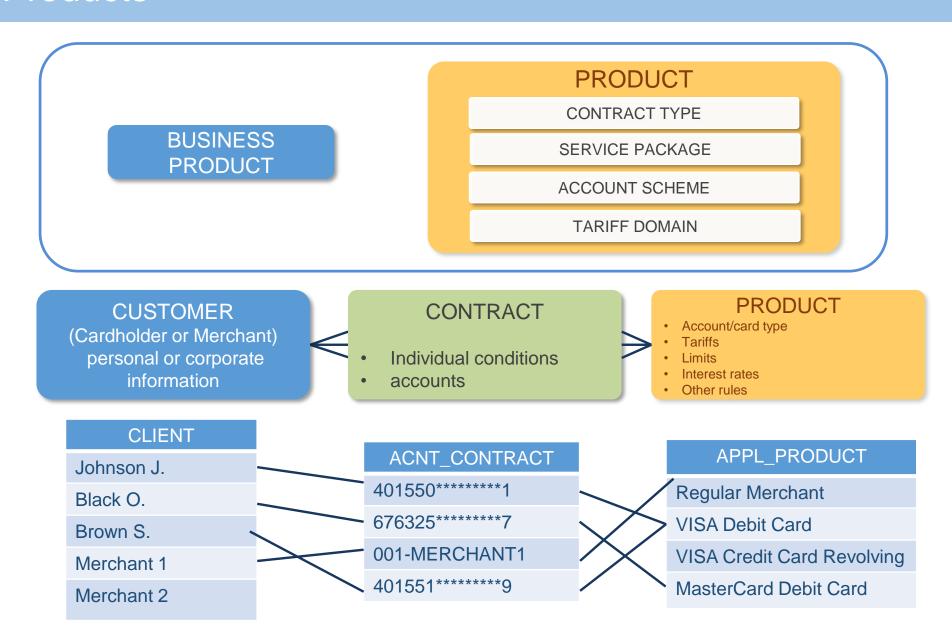
- Card Contracts contain information about the conditions of bankcard processing (bankcard number, embossing data, etc.)
- CARD_INFO table contains information about plastics issued for a cardholder and their statuses

Device

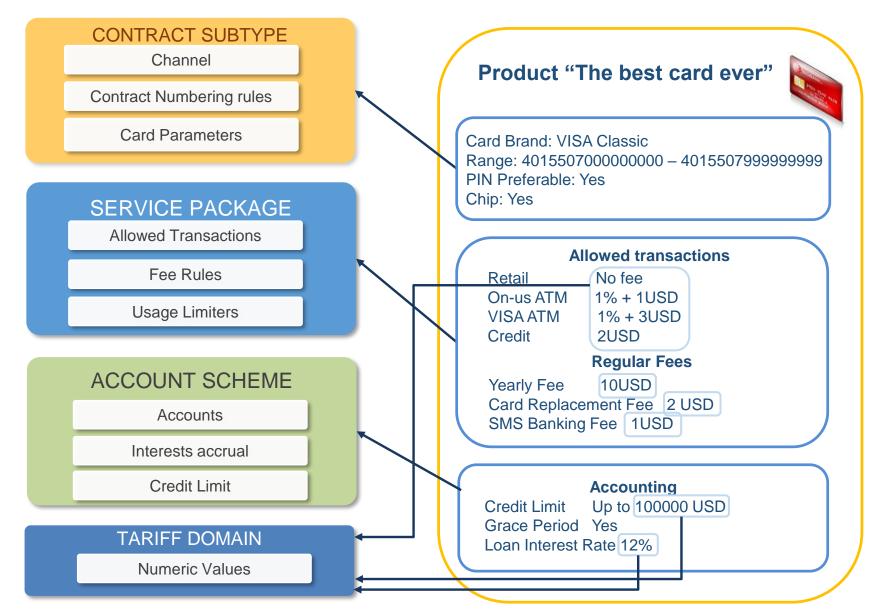


- **Device contracts** contain information about device parameters
- DEVICE_REC table contains device data such as device type, its number, working hours, location etc.

Products



Product Components and their functions



Client, Product and Contract Categories

Client Category

- Private
- Commercial
- Accountant

Product Category

- Issuing
- Acquiring
- Bank Accounting

Contract Category

- Account
- Card
- Device

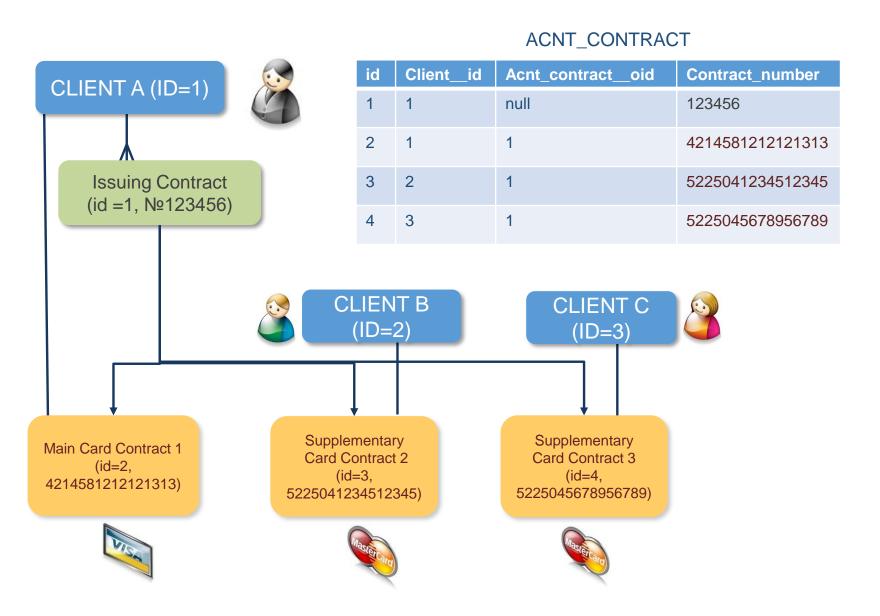
ACNT_CONTRACT Table

	CCAT	PCAT	CON_CAT
Card issued for a private customer	P (Private)	Issuing	C (Card)
Issuing Contract for a Corporation	C (Commercial)	Issuing	A (Account)
Device Contract	C (Commercial)	Acquiring	M (Device)
Routing Contract for "alien" cards	A (Accountant)	Bank Accounting	C (Card)

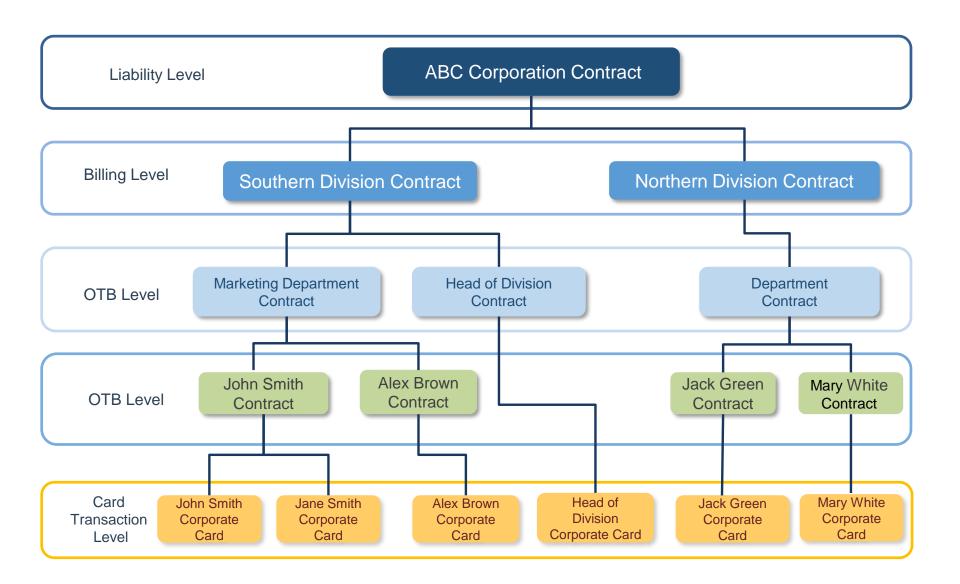


Contract Hierarchy

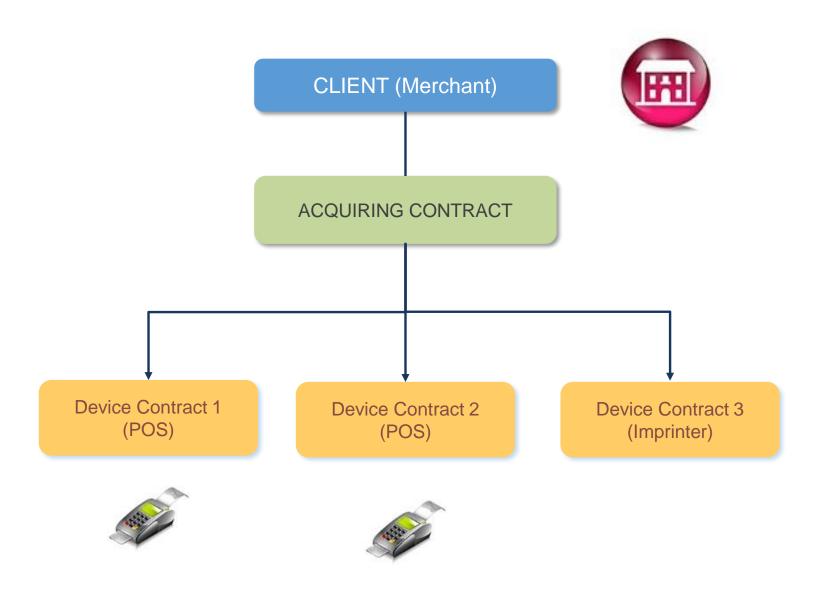
Issuing Contract Hierarchy



Corporate Contract Hierarchy



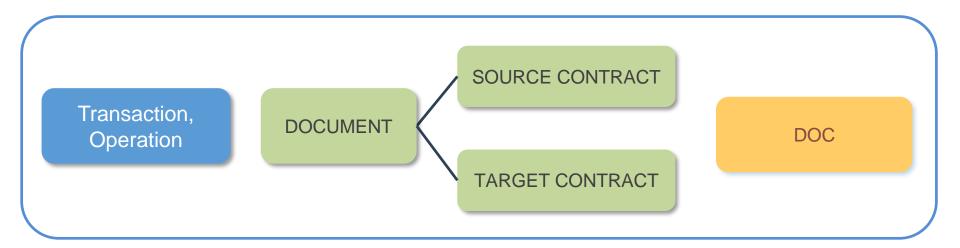
Acquiring Contract Hierarchy





Transactions, Entries

Transaction

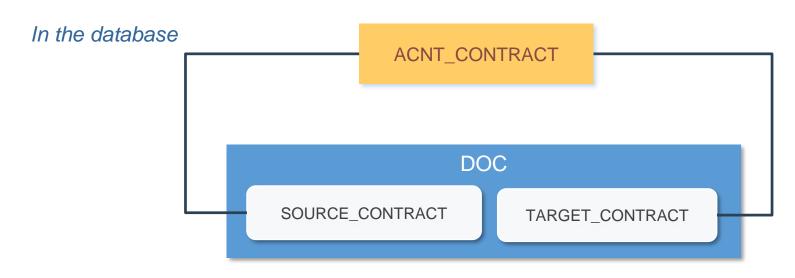


Samples of Documents in WAY4

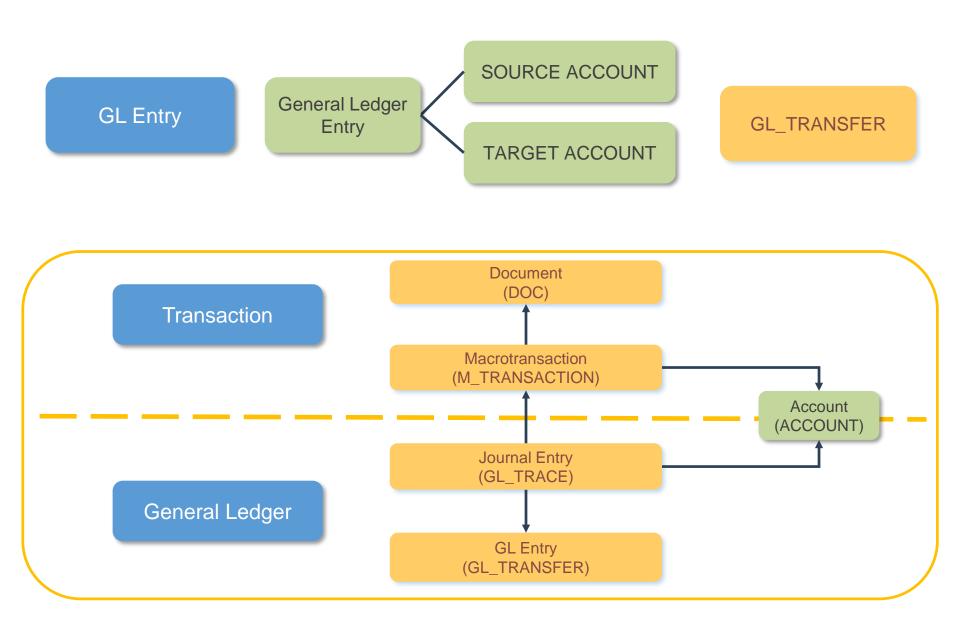
Date	Source Channel	Transaction Type	ls Auth	Source Number	Target Number	Trans Amount	Trans Currency	
01.01.2015 11:00	VISA	Retail	Auth	12345678	401550******1	100	EUR	
01.01.2015 10:59	Our ATM	Balance Inquiry		ATM00001	676932******2			
01.01.2015 10:59	MasterCard	Credit	Fin	43467789	676932******7	500	PLZ	
01.01.2015 10:58	Our POS	Retail Reversal	Auth	POS12345	478777******8	2000	RUB	
01.01.2015 10:57		Card Yearly Fee	Fin		401550******1	10	USD	
01.01.2015 10:57	VISA	Retail Chargeback	Fin	487334******6	POS12345	100.67	USD	

Transaction. DB Structure





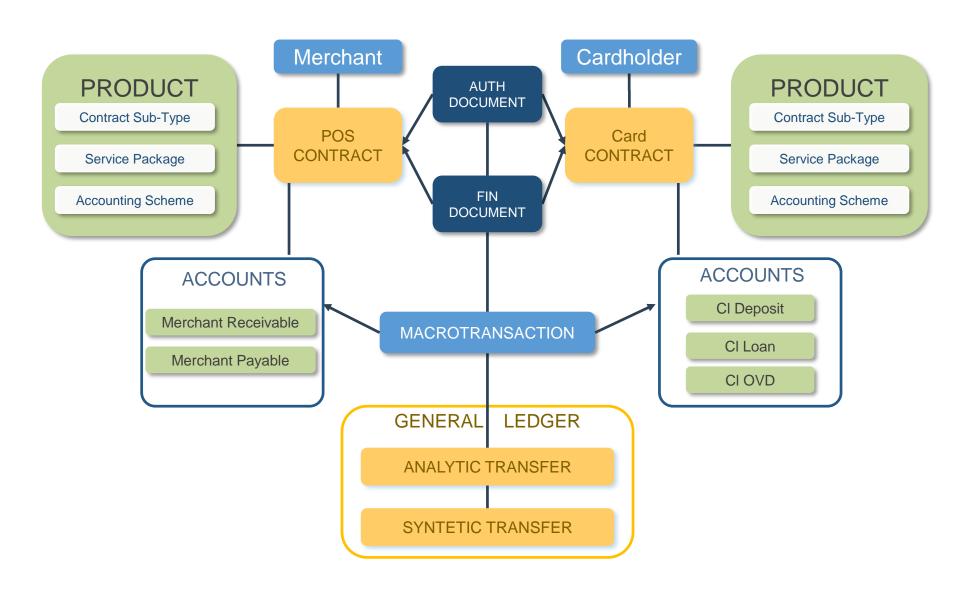
Entries





WAY4 Object Interrelationship

WAY4 Objects Interrelationship



Conclusion

- ✓ Business Objects and WAY4 Objects
- Financial Institutions
- ✓ Clients, Contracts, Products
- ✓ Contract Hierarchy
- ✓ Transactions, Entries
- ✓ WAY4 Object interrelationship





WAY4 Product

Introduction

Contents

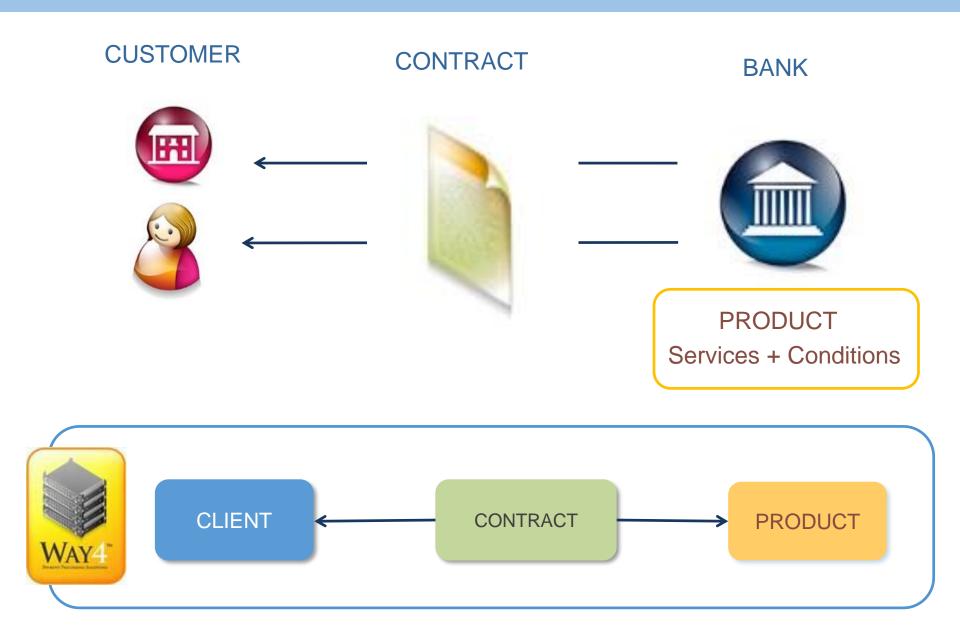
- 1. Main Concept
- 2. Product Components
- 3. Stages of Product Setup



WAY4 Products

Introduction

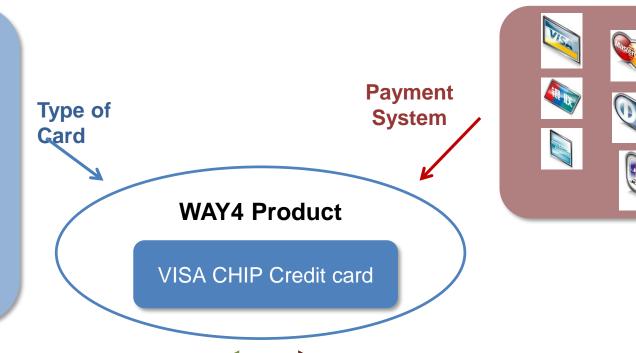
Banking Product



Issuing Products

- Magnetic Stripe Cards
- Smart
- Contractless (PayPass, PayWave)
- Multi-application smart
- Virtual





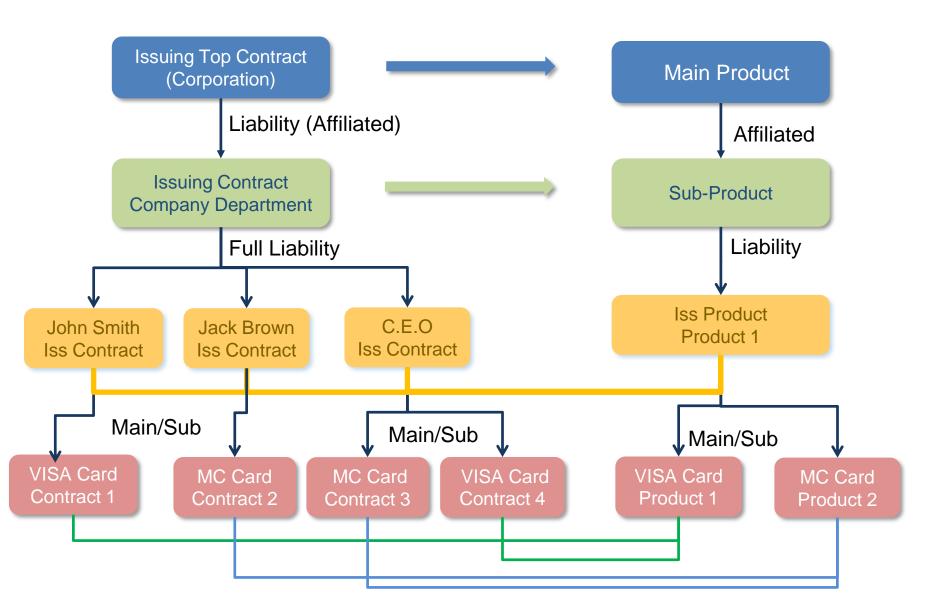
Financial Conditions

- Debit Cards
- Prepaid Cards
- Corporate Cards
- Credit Cards
- Installment

Service Conditions

- Loyalty
- Gift
- Purchasing
- Fuel/Fleet
- Travel & Entertainment

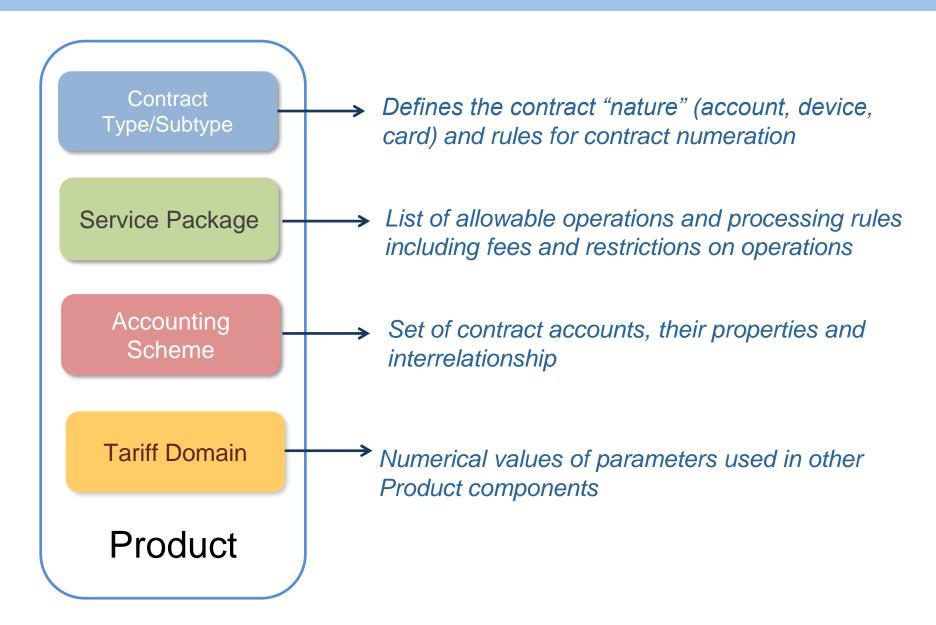
Multi-level Contract Hierarchy



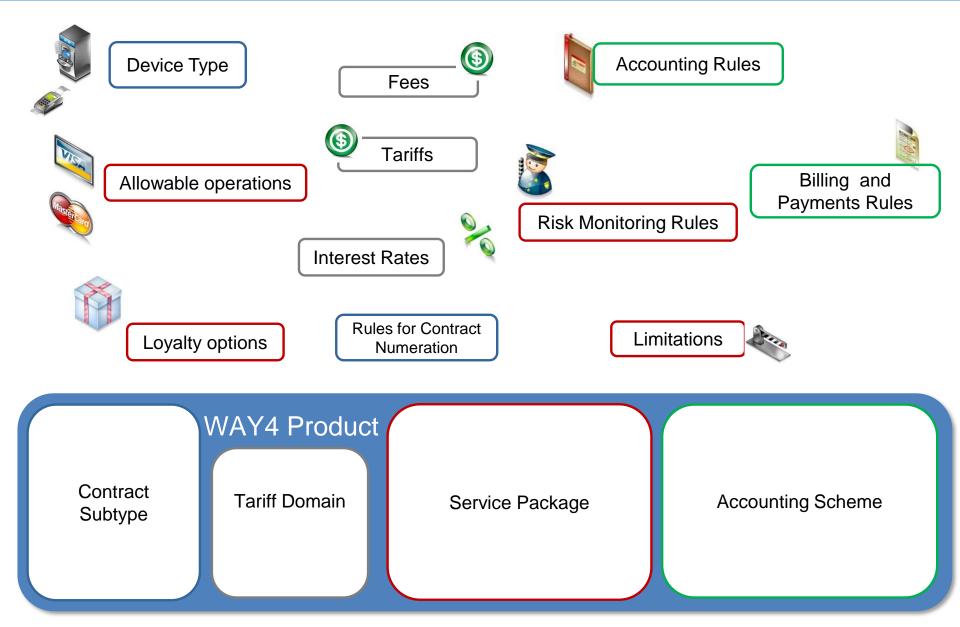


Product Components

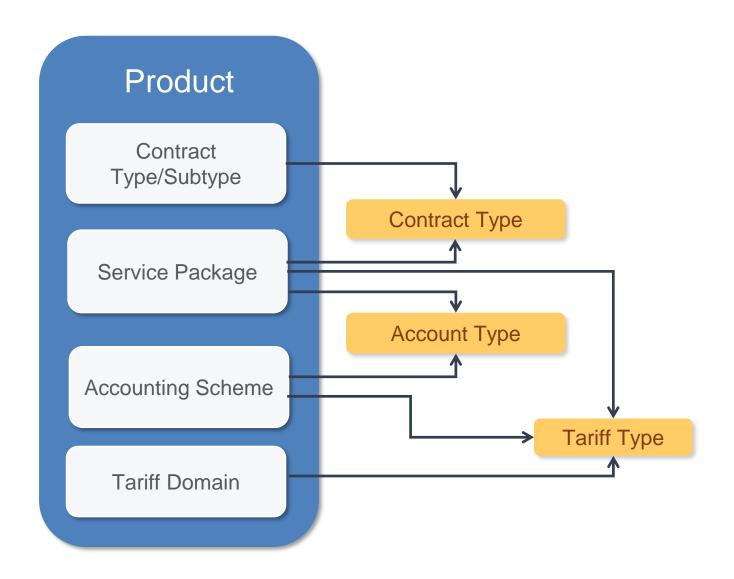
Product Components



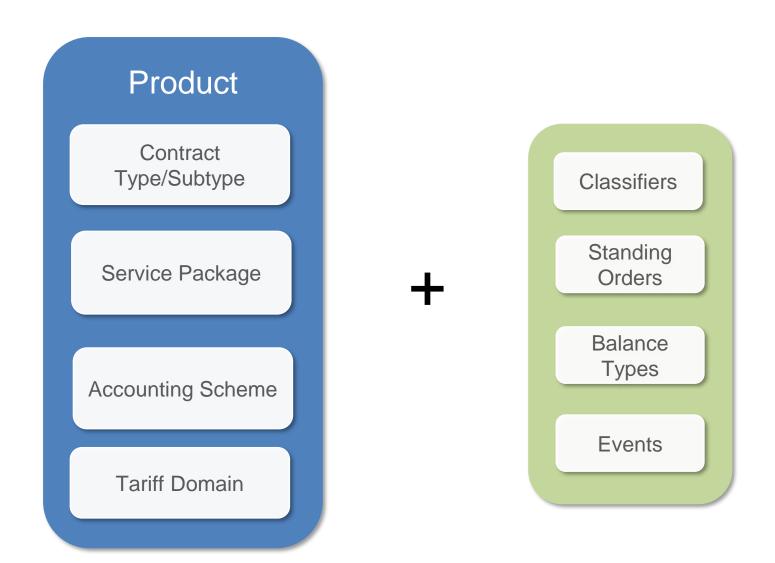
Contract Parameters Distribution



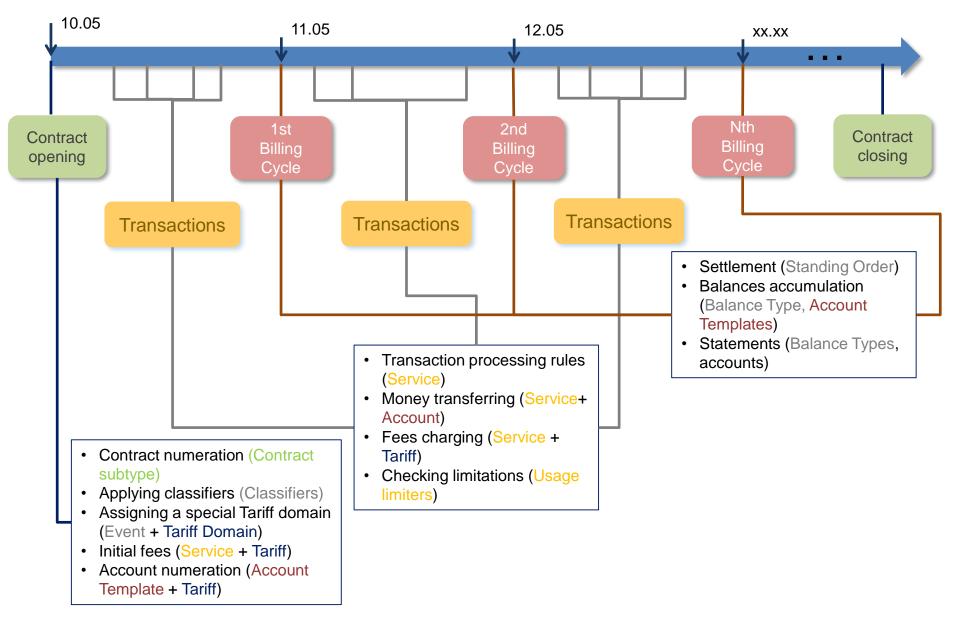
Interrelationship of Product Components



Product Related Objects



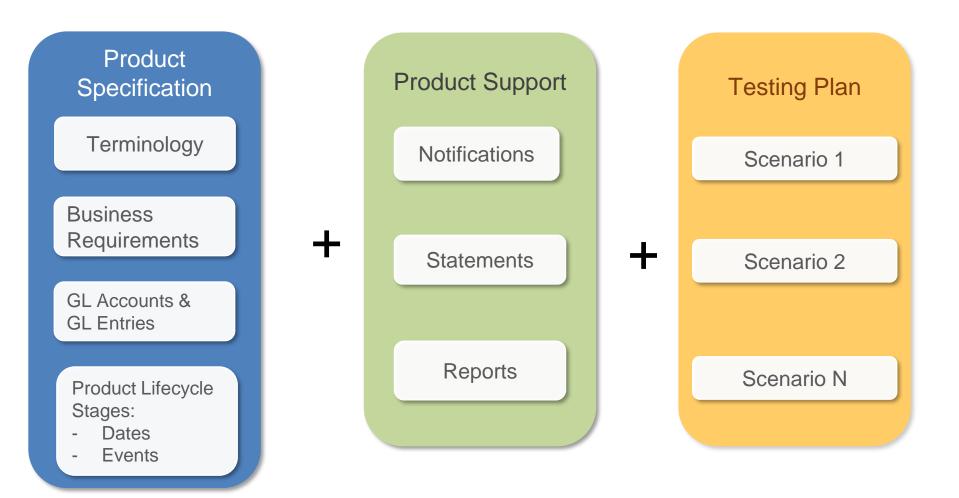
Contract Lifecycle



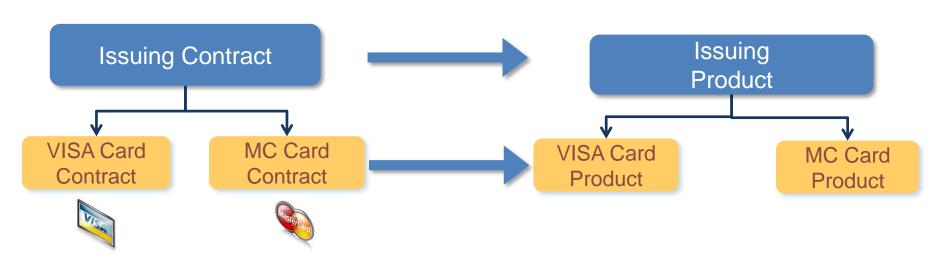


Product Setup

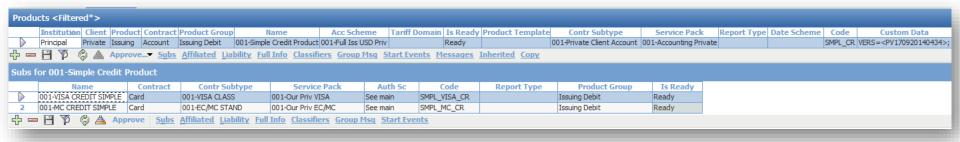
Product Specification



2 level Product Hierarchy



ROOT.OpenWay.Full.Configuration Setup.Products.Product Definition.Products



Conclusion

- ✓ Main Concept
- ✓ Product Components
- ✓ Stages of Product Setup

