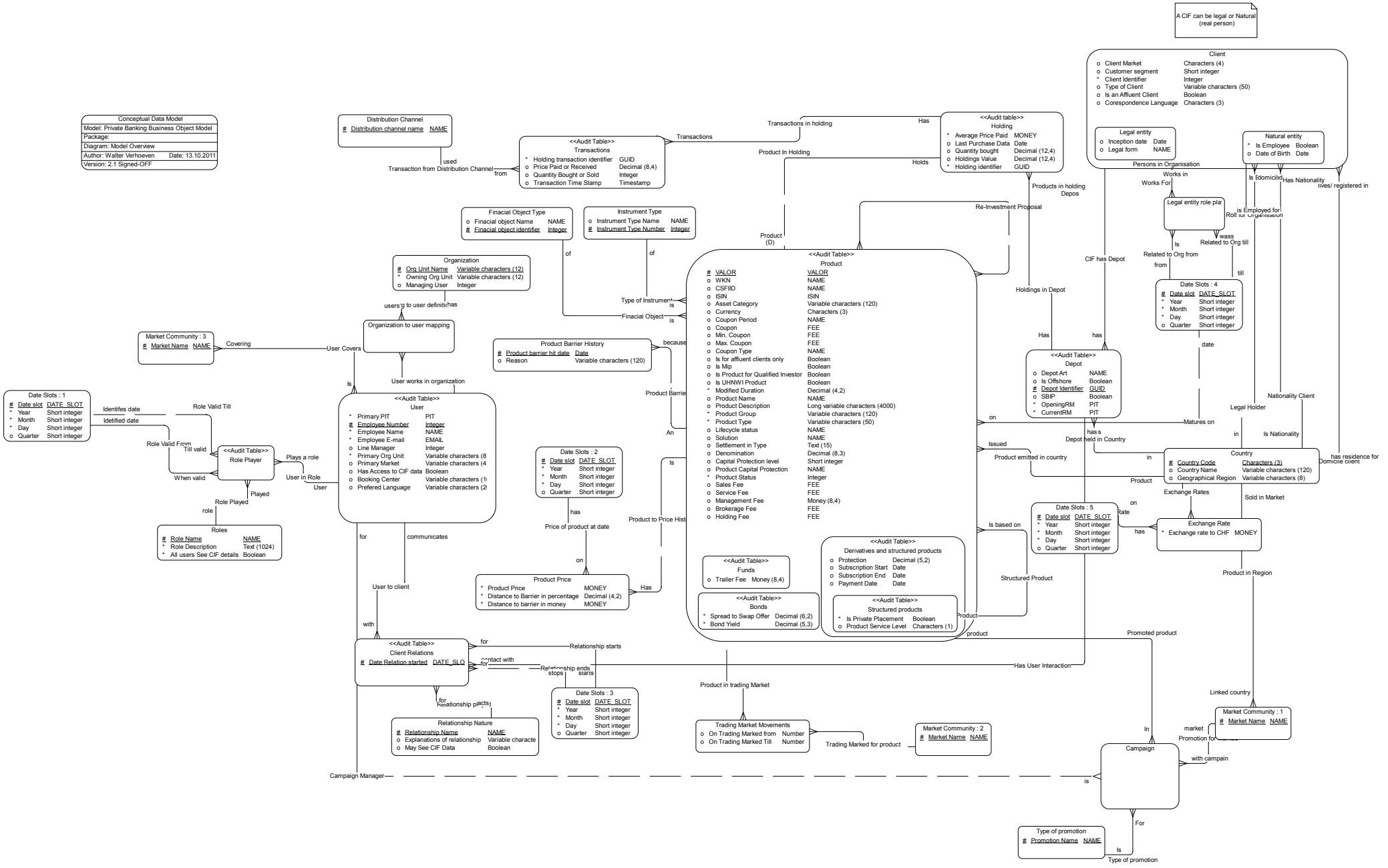
Conceptual Data Model
Model: Private Banking Business Object Model
Package:
Diagram: Model Overview
Author: Walter Verhoeven Date: 13.10.2011
Version: 2.1 Signed-OFF
A CIF can be legal or Natural (real person)
Client
o Client Market Characters (4)
o Customer segment Short integer
* Client Identifier Integer
o Type of Client Variable characters (50)
o Is an Affluent Client Boolean
o Corespondence Language Characters (3)
Distribution Channel
Distribution channel name NAME
<<Audit Table>>
Transactions
* Holding transaction identifier GUID
o Price Paid or Received Decimal (8,4)
o Quantity Bought or Sold Integer
o Transaction Time Stamp Timestamp
<<Audit table>>
Holding
* Average Price Paid MONEY
o Last Purchase Data Date
o Quantity bought Decimal (12,4)
o Holdings Value Decimal (12,4)
* Holding identifier GUID
Legal entity
o Inception date Date
o Legal form NAME
Natural entity
* Is Employee Boolean
o Date of Birth Date
Finacial Object Type
o Finacial object Name NAME
Finacial object identifier Integer
Instrument Type
o Instrument Type Name NAME
Instrument Type Number Integer
Organization
Org Unit Name Variable characters (12)
* Owning Org Unit Variable characters (12)
o Managing User Integer
Market Community : 3
Market Name NAME
Organization to user mapping
Product Barrier History
Product barrier hit date Date
o Reason Variable characters (120)
<<Audit Table>>
Product
VALOR VALOR
o WKN NAME
o CSFIID NAME
o ISIN ISIN
o Asset Category Variable characters (120)
o Currency Characters (3)
o Coupon Period NAME
o Coupon FEE
o Min. Coupon FEE
o Max. Coupon FEE
o Coupon Type NAME
o Is for affluent clients only Boolean
o Is Mip Boolean
o Is Product for Qualified Investor Boolean
o Is UHNWI Product Boolean
* Modified Duration Decimal (4,2)
o Product Name NAME
o Product Description Long variable characters (4000)
* Product Group Variable characters (120)
* Product Type Variable characters (50)
o Lifecycle status NAME
o Solution NAME
o Settlement in Type Text (15)
o Denomination Decimal (8,3)
o Capital Protection level Short integer
o Product Capital Protection NAME
* Product Status Integer
o Sales Fee FEE
o Service Fee FEE
o Management Fee Money (8,4)
o Brokerage Fee FEE
o Holding Fee FEE
<<Audit Table>>
Depot
o Depot Art NAME
o Is Offshore Boolean
Depot Identifier GUID
o SBIP Boolean
* OpeningRM PIT
* CurrentRM PIT
Date Slots : 4
Date slot DATE_SLOT
* Year Short integer
* Month Short integer
* Day Short integer
o Quarter Short integer
Legal entity role pla
Country
Country Code Characters (3)
o Country Name Variable characters (120)
o Geographical Region Variable characters (8)
Exchange Rate
* Exchange rate to CHF MONEY
Date Slots : 5
Date slot DATE_SLOT
* Year Short integer
* Month Short integer
* Day Short integer
o Quarter Short integer
Date Slots : 1
Date slot DATE_SLOT
* Year Short integer
* Month Short integer
* Day Short integer
o Quarter Short integer
<<Audit Table>>
Role Player
Roles
Role Name NAME
* Role Description Text (1024)
* All users See CIF details Boolean
<<Audit Table>>
User
* Primary PIT PIT
# Employee Number Integer
* Employee Name NAME
* Employee E-mail EMAIL
o Line Manager Integer
* Primary Org Unit Variable characters (8
o Primary Market Variable characters (4
o Has Access to CIF data Boolean
o Booking Center Variable characters (1
o Prefered Language Variable characters (2
Date Slots : 2
Date slot DATE_SLOT
* Year Short integer
* Month Short integer
* Day Short integer
o Quarter Short integer
Product Price
* Product Price MONEY
* Distance to Barrier in percentage Decimal (4,2)
* Distance to barrier in money MONEY
<<Audit Table>>
Funds
o Trailer Fee Money (8,4)
<<Audit Table>>
Bonds
* Spread to Swap Offer Decimal (6,2)
* Bond Yield Decimal (5,3)
<<Audit Table>>
Derivatives and structured products
o Protection Decimal (5,2)
o Subscription Start Date
o Subscription End Date
o Payment Date Date
<<Audit Table>>
Structured products
* Is Private Placement Boolean
o Product Service Level Characters (1)
<<Audit Table>>
Client Relations
Date Relation started DATE_SLO
Relationship Nature
Relationship Name NAME
o Explanations of relationship Variable characte
o May See CIF Data Boolean
Date Slots : 3
Date slot DATE_SLOT
* Year Short integer
* Month Short integer
* Day Short integer
o Quarter Short integer
Trading Market Movements
o On Trading Marked from Number
o On Trading Marked Till Number
Market Community : 2
Market Name NAME
Market Community : 1
Market Name NAME
Campaign
Type of promotion
Promotion Name NAME
Transactions in holding
Has
Transactions
Product In Holding
Holds
used
Transaction from Distribution Channel
from
Products in holding
Depos
Re-Investment Proposal
Product (D)
of
of
Type of Instrument
Finacial Object
is
users'g to user definiti
has
User Covers
Covering
is
User works in organization
Product Barrie
because
An
Is
Product to Price Hist
Identifes date
Identified date
Role Valid Till
Role Valid From
Till valid
When valid
Plays a role
User in Role
User
Played
Role Played
role
for
communicates
User to client
with
for
Relationship starts
contact with
for
Relationship ends
stops
starts
Has User Interaction
for
Relationship plays
Product in trading Market
Trading Marked for product
Campaign Manager
Persons in Organisation
Works in
Works For
Is domiciled
Has Nationality
lives/ registered in
is Employed for
Roll for Organisation
was
Related to Org till
Is
Related to Org from
from
till
CIF has Depot
Holdings in Depot
Has
has
date
on
Matures on
has s
Depot held in Country
Legal Holder
Nationality Client
in
Is Nationality
Issued
Product emitted in country
in
has residence for
Domicile client
Product
Exchange Rates
Sold in Market
on
Rate
has
Is based on
Product in Region
Structured Product
Product
product
Promoted product
Linked country
market
Promotion for
with campain
In
is
For
Is
Type of promotion