

# igniteXML

Canonical Model Management

Simplifying Enterprise Integration with  
one model for data in motion



# Multiple sources blended into a single model

## Logical Models



## Canonical Model



## Physical Models



## Data Model Mappings



# Import , Organize, Publish, Consume

## Physical Models










## Logical Models



## Metadata Overlay

II Data Model Vocabulary  
II Taxonomy e.g. UDEF  
II Structured e.g. RDF/OWL

-  Core Component
-  Element
-  Complex Type
-  Simple Type
-  Attribute
-  Attribute Group
-  Group

## Organizers (Model Management)



## Consumers

Weblogic  
Websphere  
Glassfish



## Canonical Model

- address
- credit
- order
  - address
  - bill
  - comment
  - creditcard
  - customer
  - date
  - giro
  - items
  - Items
  - itemTotal
  - name
  - order



Business Analyst



Integration Developer

Browse Model Search Model Reuse Specification

Canonical 1.0

- Core
- Enumerations
- ReferenceModel
  - Complex Types
    - Account to D
      - Account
      - ACH
      - ACHTrans
      - ACLSSpeci
      - Address

Schema Contents

Canonical 1.0

- Account
  - sequence
    - BalanceAmt [0-1]
    - AmountType
    - ChartOfAcctsCategoryType [0-1]
    - AccountingDateType
    - HolderTypeDescription [0-1]
    - DescriptionType

This part of the model is from a UML logical model

Drill down & this part of the model is from a physical model e.g. OAGis

OAG 9.4.1

- AmountType
  - decimal
  - currency
  - CurrencyCode

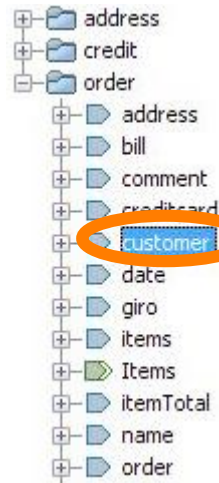
This object maps to a legacy data model

Information

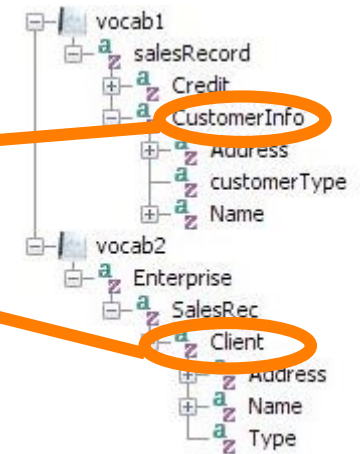
Complex type: AmountType

Vocabulary  
UBL.Price.PriceAmount.Amount.PriceAmount

## Canonical Model



## Vocabularies



**Relates to**

Vocabulary entries for this object.

- Vocabulary B.Enterprise.SalesRec.Client.Name
- salesRecord.CustomerInfo.Name

Vocabulary Name: CustomerReference

Vocabulary Path: CustomerReference

Business Identifier: CustomerReference

Definition:

Value List:

Properties Taxonomy Vocabulary Attributes Structure Data Type Constraints Source Instance Meta Data Notes

- λ Users can search the model using terms they are familiar with
- λ Business Analysts can see the data lineage to the model
- λ Integration Developers can map XSD's created from the model to the backend systems
- λ Looking at using this to generate code

# Multiple sources blended into a single model

## Logical Models



## Canonical Model

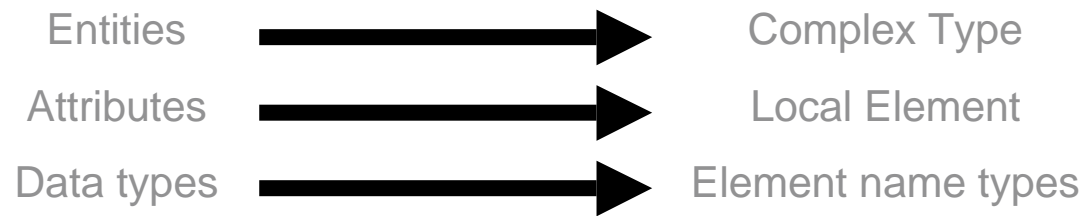
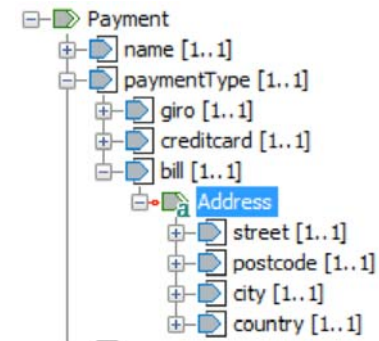
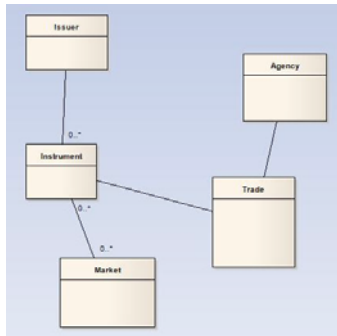


## Physical Models



## Data Model Mappings





CDM Cabinet  
Master

## Demonstration