

COFIQ Service Portfolio Management

Example1 - Complete Data Model

Classes

Account

Record of transactions in specific types of assets, maintained by a servicing party on behalf of one or more owning parties. Business relationship between an account servicer and one or more account owners.

Subtype

CashAccount

Attributes

<i>code</i>	<i>type</i>	<i>defined in</i>	<i>description</i>
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IBAN	IBANIdentifier		Account number.
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Relations

<i>cardinality</i>	<i>source</i>	<i>name</i>	<i>cardinality</i>	<i>target</i>	<i>name</i>	<i>description</i>
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0..*	Account	IsOwnedBy	1..*	Party	Owns	
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0..*	Account	IsServicedBy	1	FinancialInstitution	Services	
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CashAccount

Account to or from which a cash entry is made.

Supertype

Account

Attributes

<i>code</i>	<i>type</i>	<i>defined in</i>	<i>description</i>
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IBAN	IBANIdentifier	Account	Account number.
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BaseCurrency	CurrencyCode		Base currency of the cash account.
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Relations

<i>cardinality</i>	<i>source</i>	<i>name</i>	<i>cardinality</i>	<i>target</i>	<i>name</i>	<i>description</i>
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0..*	CashAccount (Account)	IsOwnedBy	1..*	Party	Owns	
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0..*	CashAccount (Account)	IsServedBy	1	FinancialInstitution	Services	
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FinancialInstitution

Organisation established primarily to provide financial services.

Supertype

Party
Organisation

Attributes

<i>code</i>	<i>type</i>	<i>defined in</i>	<i>description</i>
BIC	BICIdentifier		Identification of the financial institution.
RegistrationCountry	CountryCode	Organisation	Country at which a given organisation was officially registered.
RegistrationDate	ISODate	Organisation	Date at which a given organisation was officially registered.
Name	Max140Text	Party	Name by which a party is known and which is usually used to identify that party. This name is derived from the concatenation of the elements that compose the name of a person or from the legal name of an organisation.

Relations

<i>cardinality</i>	<i>source</i>	<i>name</i>	<i>cardinality</i>	<i>target</i>	<i>name</i>	<i>description</i>
1	FinancialInstitution	Services	0..*	Account	IsServedBy	
1..*	FinancialInstitution (Party)	Owns	0..*	Account	IsOwnedBy	

GenericIdentification

Information related to a non-standardised identification, such as a proprietary party identification or account identification.

Attributes

<i>code</i>	<i>type</i>	<i>defined in</i>	<i>description</i>
Identification	Max35Text		Name or number assigned by an entity to enable recognition of that entity, for example account identifier, identification assigned by a provider to identify its customers.
Issuer	Max35Text		The party or system that issued the Identification. Identification is unique within the Issuer namespace.
IssueDate	ISODate		Date at which the identification was issued.
ExpiryDate	ISODate		Date at which the identification expires.

Relations

cardinality source name cardinality target name description

Organisation

Organised structure that is set up for a particular purpose. For example, a business, government body, department, charity, or financial institution.

Supertype

Party

Subtype

FinancialInstitution

Attributes

<i>code</i>	<i>type</i>	<i>defined in</i>	<i>description</i>
RegistrationCountry	CountryCode		Country at which a given organisation was officially registered.
RegistrationDate	ISODate		Date at which a given organisation was officially registered.
Name	Max140Text	Party	Name by which a party is known and which is usually used to identify that party. This name is derived from the concatenation of the elements that compose the name of a person or from the legal name of an organisation.

Relations

<i>cardinality</i>	<i>source</i>	<i>name</i>	<i>cardinality</i>	<i>target</i>	<i>name</i>	<i>description</i>
1..*	Organisation (Party)	Owns	0..*	Account	IsOwnedBy	

Party

Entity involved in an activity.

Sub type

FinancialInstitution

Organisation

Person

Attributes

<i>code</i>	<i>type</i>	<i>defined in</i>	<i>description</i>
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Name	Max140Text		Name by which a party is known and which is usually used to identify that party. This name is derived from the concatenation of the elements that compose the name of a person or from the legal name of an organisation.
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Relations

<i>cardinality</i>	<i>source</i>	<i>name</i>	<i>cardinality</i>	<i>target</i>	<i>name</i>	<i>description</i>
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1..*	Party	Owns	0..*	Account	IsOwnedBy	
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Person

Human entity, as distinguished from a corporate entity (which is sometimes referred to as an 'artificial person').

Supertype

Party

Attributes

<i>code</i>	<i>type</i>	<i>defined in</i>	<i>description</i>
Name	Max140Text	Party	Name by which a party is known and which is usually used to identify that party. This name is derived from the concatenation of the elements that compose the name of a person or from the legal name of an organisation.
GivenName	Max35Text		First name of a person.
MiddleName	Max35Text		Second name of a person.

Relations

<i>cardinality</i>	<i>source</i>	<i>name</i>	<i>cardinality</i>	<i>target</i>	<i>name</i>	<i>description</i>
1..*	Person (Party)	Owns	0..*	Account	IsOwnedBy	

Data Types

<i>code</i>	<i>basetype</i>	<i>description</i>
BICIdentifier	<i>string</i>	Code allocated to a financial institution by the ISO 9362 Registration Authority as described in ISO 9362 "Banking - Banking telecommunication messages - Business identifier code (BIC)".

Facets

pattern [A-Z]{6,6}[A-Z2-9][A-NP-Z0-9]([A-Z0-9]{3,3}){0,1}

Checks

ISO9362 latest ISO

CountryCode	<i>string</i>	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
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Facets

length 2

Checks

ISO3166 latest ISO

CurrencyCode	<i>string</i>	Code allocated to a currency, by a maintenance agency, under an international identification scheme as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds". Valid currency codes are registered with the ISO 4217 Maintenance Agency, and consist of three contiguous letters.
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Facets

length 3

Checks

ISO4217 latest ISO

IBANIdentifier *string* An identifier used internationally by financial institutions to uniquely identify the account of a customer at a financial institution, as described in the latest edition of the international standard ISO 13616. "Banking and related financial services - International Bank Account Number (IBAN)".

Facets

pattern [a-zA-Z]{2,2}[0-9]{2,2}[a-zA-Z0-9]{1,30}

Checks

ISO13616 latest ISO

ISODate *date* A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.

Facets

pattern YYYY-MM-DD

Max140Text *string* Specifies a character string with a maximum length of 140 characters.

Facets

maxLength 140

minLength 1

Max35Text *string* Specifies a character string with a maximum length of 35 characters.

Facets

maxLength 35

minLength 1