FinancialMarket

September 20, 2019

Chapter 1

Module Documentation

1.1 Entities

1.1.0.1 ogit/Organization

An identity that represents an organization, company, or some other grouping of Person objects. Entities of this type should be created with a predefined ID. Those IDs should be named like a domain name, i.e. a concatention of some strings separated with a dot. if organization data is created from a LDAP then a mapping like "cn=John Doe,dc=example,dc=com" => "john_doe.example.com" should be employed. The ogit/function attribute should be used to tell what kind of grouping an entity of type Organization is: company, department, group, ...

- id: http://www.purl.org/ogit/Organization
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem
- scope: SGO
- parent: ogit/Node

attributes

- mandatory:
    - ogit/name
- optional:
    - ogit/businessCategory
    - ogit/city
    - ogit/country
    - ogit/description
    - ogit/email
    - ogit/function
    - ogit/phone
    - ogit/postalCode
    - ogit/sourceId
    - ogit/status
    - ogit/streetAddress
    - ogit/webPage

incoming edges

- ogit/corresponds <= ogit/FinancialMarket/Corporation

1.1.0.2 ogit/FinancialMarket/Investment

An investment into a financial instrument.

- id: `http://www.purl.org/ogit/FinancialMarket/Investment`
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- creator: Marek Meyer
- scope: NTO
- parent: ogit/Node

attributes

- optional:
  - ogit/FinancialMarket/acquisitionDate
  - ogit/FinancialMarket/amount
  - ogit/FinancialMarket/currency
  - ogit/FinancialMarket/value

incoming edges

- ogit/owns <= ogit/FinancialMarket/Investor

outgoing edges

- ogit/contains => ogit/FinancialMarket/FinancialInstrument

1.1.0.3 ogit/FinancialMarket/Index

A financial index the context of financial markets.

- id: `http://www.purl.org/ogit/FinancialMarket/Index`
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- creator: Marek Meyer
- scope: NTO
- parent: ogit/Node

attributes

- mandatory:

    - ogit/name

outgoing edges

- ogit/contains => ogit/FinancialMarket/FinancialInstrument

- ogit/locatedIn => ogit/FinancialMarket/Country

1.1.0.4 ogit/FinancialMarket/Corporation

A corporation in the context of financial markets.

- id: `http://www.purl.org/ogit/FinancialMarket/Corporation`

- valid-from: Wed Jul 10 00:00:00 UTC 2019

- creator: Marek Meyer

- scope: NTO

- parent: ogit/Node

attributes

- mandatory:

    - ogit/name

outgoing edges

- ogit/corresponds => ogit/Organization

- ogit/issues => ogit/FinancialMarket/FinancialInstrument

1.1.0.5 ogit/FinancialMarket/Investor

An investor in the context of financial markets.

- id: `http://www.purl.org/ogit/FinancialMarket/Investor`

- valid-from: Wed Jul 10 00:00:00 UTC 2019

- creator: Marek Meyer

- scope: NTO

- parent: ogit/Node

attributes

- optional:
  - *ogit/name*

outgoing edges

- *ogit/locatedIn* => *ogit/FinancialMarket/Country*
- *ogit/owns* => *ogit/FinancialMarket/Investment*

1.1.0.6 ogit/FinancialMarket/Country

A country in the context of financial markets.

- id: `http://www.purl.org/ogit/FinancialMarket/Country`
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- creator: Marek Meyer
- scope: NTO
- parent: ogit/Node

attributes

- mandatory:
  - *ogit/name*

incoming edges

- *ogit/locatedIn* <= *ogit/FinancialMarket/Exchange*
- *ogit/locatedIn* <= *ogit/FinancialMarket/Index*
- *ogit/locatedIn* <= *ogit/FinancialMarket/Investor*

1.1.0.7 ogit/FinancialMarket/Exchange

An exchange in the financial markets, e.g. a stock exchange.

- id: `http://www.purl.org/ogit/FinancialMarket/Exchange`
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- creator: Marek Meyer
- scope: NTO
- parent: ogit/Node

attributes

- mandatory:

    – ogit/name

incoming edges

- ogit/listedAt $<=$ ogit/FinancialMarket/FinancialInstrument

outgoing edges

- ogit/locatedIn $=>$ ogit/FinancialMarket/Country

1.1.0.8 ogit/FinancialMarket/FinancialInstrument

A financial instrument issued by corporation in the context of financial markets.

- id: `http://www.purl.org/ogit/FinancialMarket/FinancialInstrument`
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- creator: Marek Meyer
- scope: NTO
- parent: ogit/Node

attributes

- mandatory:

    – ogit/name

- optional:

    – ogit/FinancialMarket/ISIN

    – ogit/FinancialMarket/issueDate

    – ogit/FinancialMarket/maturityDate

    – ogit/currency

incoming edges

- ogit/contains $<=$ ogit/FinancialMarket/Index
- ogit/contains $<=$ ogit/FinancialMarket/Investment
- ogit/issues $<=$ ogit/FinancialMarket/Corporation

outgoing edges

- ogit/listedAt $=>$ ogit/FinancialMarket/Exchange

1.2 Verbs

1.2.0.1 ogit/contains

This relationship indicates that something is part of something else. see also "includes"

- id: http://www.purl.org/ogit/contains
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

Allowed Connection

- ogit/FinancialMarket/Index => ogit/FinancialMarket/FinancialInstrument
- ogit/FinancialMarket/Investment => ogit/FinancialMarket/FinancialInstrument

1.2.0.2 ogit/locatedIn

indicate that something has its place somewhere

- id: http://www.purl.org/ogit/locatedIn
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

Allowed Connection

- ogit/FinancialMarket/Exchange => ogit/FinancialMarket/Country
- ogit/FinancialMarket/Index => ogit/FinancialMarket/Country
- ogit/FinancialMarket/Investor => ogit/FinancialMarket/Country

1.2.0.3 ogit/corresponds

Indicates wether one entity could correpond to a more general one, e.g. an Incident could correspond to a Ticket

- id: http://www.purl.org/ogit/corresponds
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

Allowed Connection

- ogit/FinancialMarket/Corporation => ogit/Organization

1.2.0.4 ogit/issues

This verb means that one entity creates or hands out another entity.

- id: http://www.purl.org/ogit/issues
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- creator: Marek Meyer

Allowed Connection

- ogit/FinancialMarket/Corporation => ogit/FinancialMarket/FinancialInstrument

1.2.0.5 ogit/listedAt

Verb showing that one entity is listed at another entity.

- id: http://www.purl.org/ogit/listedAt
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- creator: Marek Meyer

Allowed Connection

- ogit/FinancialMarket/FinancialInstrument => ogit/FinancialMarket/Exchange

1.2.0.6 ogit/owns

This relationship indicates that one entity owns some other.

- id: http://www.purl.org/ogit/owns
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

Allowed Connection

- ogit/FinancialMarket/Investor => ogit/FinancialMarket/Investment

1.3 Attributes

1.3.0.1 ogit/FinancialMarket/amount

The amount or number of a financial instrument or investment. Depending on the type of instrument, the amount can be specified e.g. as number or nominal value.

- id: http://www.purl.org/ogit/FinancialMarket/amount
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- creator: Marek Meyer

used

- optional:
    - ogit/FinancialMarket/Investment

1.3.0.2 ogit/currency

A currency code, possibly according to ISO 4217.

- id: http://www.purl.org/ogit/currency
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

used

- optional:
    - ogit/FinancialMarket/FinancialInstrument

1.3.0.3 ogit/postalCode

The postal code. For example, 60433.

- id: http://www.purl.org/ogit/postalCode
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

used

- optional:
    - ogit/Organization

1.3.0.4 ogit/email

An email address.

- id: http://www.purl.org/ogit/email
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

used

- optional:
    - ogit/Organization

1.3.0.5 ogit/function

Attibute used to specify a function that some entity does/provides.This is more specific then 'description'. Should contain a short string. At this level of specification it is still a free from string. However, unlike 'description', it is expected to contain some list of fixed values.

- id: http://www.purl.org/ogit/function
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

used

- optional:
    - ogit/Organization

1.3.0.6 ogit/country

Name of a country.

- id: http://www.purl.org/ogit/country
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Philipp Pelchmann

used

- optional:
    - ogit/Organization

1.3.0.7 ogit/businessCategory

The category of a business.

- id: http://www.purl.org/ogit/businessCategory
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Philipp Pelchmann

used

- optional:
    - ogit/Organization

1.3.0.8 ogit/sourceId

The Id of the source system.

- id: http://www.purl.org/ogit/sourceId
- valid-from: Thu Jun 11 00:00:00 UTC 2015
- creator: Peter Larem

used

- optional:
    - ogit/Organization

1.3.0.9 ogit/FinancialMarket/currency

Indicates the currency of a value, price, or cost.

- id: http://www.purl.org/ogit/FinancialMarket/currency
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- creator: Marek Meyer

used

- optional:
    - ogit/FinancialMarket/Investment

1.3.0.10 ogit/city

Name of a city.

- id: http://www.purl.org/ogit/city

- valid-from: Mon Jul 27 00:00:00 UTC 2015

- creator: Philipp Pelchmann

used

- optional:

    – ogit/Organization

1.3.0.11 ogit/FinancialMarket/ISIN

International Securities Identification Number - a unique identifier for securities.

- id: http://www.purl.org/ogit/FinancialMarket/ISIN

- valid-from: Wed Jul 10 00:00:00 UTC 2019

- creator: Marek Meyer

used

- optional:

    – ogit/FinancialMarket/FinancialInstrument

1.3.0.12 ogit/status

A status for an entity. At this level of specification no list of values is specified. However, applications using this attribute are expected to allow only a fixed list of values that seems useful in the application's semantic context.

- id: http://www.purl.org/ogit/status

- valid-from: Thu May 21 00:00:00 UTC 2015

- creator: Peter Larem

used

- optional:

    – ogit/Organization

1.3.0.13 ogit/FinancialMarket/maturityDate

Maturity date of a financial instrument.

- id: <http://www.purl.org/ogit/FinancialMarket/maturityDate>
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- creator: Marek Meyer

used

- optional:
    - ogit/FinancialMarket/FinancialInstrument

1.3.0.14 ogit/streetAddress

The street address. For example, Eschersheimer Landstr. 526-532

- id: <http://www.purl.org/ogit/streetAddress>
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

used

- optional:
    - ogit/Organization

1.3.0.15 ogit/FinancialMarket/value

The financial value of a financial instrument or investment. It is recommended to always specify a currency in addition to the value.

- id: <http://www.purl.org/ogit/FinancialMarket/value>
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- creator: Marek Meyer

used

- optional:
    - ogit/FinancialMarket/Investment

1.3.0.16 ogit/FinancialMarket/acquisitionDate

The acquisition date of an investment position.

- id: <http://www.purl.org/ogit/FinancialMarket/acquisitionDate>
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- creator: Marek Meyer

used

- optional:
    - ogit/FinancialMarket/Investment

1.3.0.17 ogit/name

Contains a name.

- id: <http://www.purl.org/ogit/name>
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

used

- mandatory:
    - ogit/FinancialMarket/Corporation
    - ogit/FinancialMarket/Country
    - ogit/FinancialMarket/Exchange
    - ogit/FinancialMarket/FinancialInstrument
    - ogit/FinancialMarket/Index
    - ogit/Organization
- optional:
    - ogit/FinancialMarket/Investor

1.3.0.18 ogit/description

Contains a description.

- id: <http://www.purl.org/ogit/description>
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

used

- optional:
    - ogit/Organization

1.3.0.19 ogit/phone

a phone number

- id: http://www.purl.org/ogit/phone
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem

used

- optional:
    - ogit/Organization

1.3.0.20 ogit/webPage

A web page.

- id: http://www.purl.org/ogit/webPage
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Philipp Pelchmann

used

- optional:
    - ogit/Organization

1.3.0.21 ogit/FinancialMarket/issueDate

The date on which a security has been issued.

- id: http://www.purl.org/ogit/FinancialMarket/issueDate
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- creator: Marek Meyer

used

- optional:
    - ogit/FinancialMarket/FinancialInstrument