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## FinancialMarket

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July 23, 2019

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# 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 concatenation 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 whether one entity could correspond 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

Attribute used to specify a function that some entity does/provides. This is more specific than '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](#)