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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 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/sourceld
  - ogit/status
  - ogit/streetAddress
  - ogit/webPage

### incoming edges

- ogit/belongs <= ogit/Accounting/CompanyEntity
- ogit/belongs <= ogit/Accounting/DDTarget

## 1.1.0.2 ogit/Accounting/LineItem

#### Line Item is a Financial Statement Item

• id: http://www.purl.org/ogit/Accounting/LineItem

valid-from: Wed Dec 05 00:00:00 UTC 2018

· creator: Viktor Voss

· scope: NTO

· parent: ogit/Node

#### attributes

- · optional:
  - ogit/Accounting/AccountNumber
  - ogit/Accounting/association
  - ogit/Accounting/balance
  - ogit/Accounting/subtype
  - ogit/id
  - ogit/name

#### incoming edges

- ogit/contains <= ogit/Accounting/FinancialStatement
- ogit/contains <= ogit/Accounting/LineItem
- ogit/generates <= ogit/Accounting/LineItem

# outgoing edges

- ogit/Accounting/contributesTo => ogit/Accounting/FinancialStatement
- ogit/Accounting/maps => ogit/Accounting/CategoryItem
- ogit/contains => ogit/Accounting/LineItem
- ogit/generates => ogit/Accounting/LineItem

#### 1.1.0.3 ogit/Accounting/DDTarget

## Due Diligences target company

• id: http://www.purl.org/ogit/Accounting/DDTarget

valid-from: Wed Dec 05 00:00:00 UTC 2018

· creator: Viktor Voss

· scope: NTO

· parent: ogit/Node

## outgoing edges

- ogit/belongs => ogit/Organization
- ogit/generates => ogit/Accounting/FinancialStatement

# 1.1.0.4 ogit/Relevance

define importance of connection between two entities

• id: http://www.purl.org/ogit/Relevance

• valid-from: Tue Jul 23 00:00:00 UTC 2019

· creator: Kaushik Gondaliya

• scope: SGO

· parent: ogit/Node

#### attributes

- · optional:
  - ogit/occurenceCount

## incoming edges

• ogit/has <= ogit/Accounting/CompanyEntity

# 1.1.0.5 ogit/Accounting/FinancialStatement

For example: Trial Balance...

• id: http://www.purl.org/ogit/Accounting/FinancialStatement

valid-from: Wed Dec 05 00:00:00 UTC 2018

· creator: Viktor Voss

· scope: NTO

parent: ogit/Node

#### attributes

- · mandatory:
  - ogit/Accounting/subtype
- · optional:
  - ogit/Accounting/periods
  - ogit/Accounting/primaryReportingPeriod
  - ogit/Accounting/template
  - ogit/currency
  - ogit/language

#### incoming edges

- ogit/Accounting/contributesTo <= ogit/Accounting/CategoryItem
- ogit/Accounting/contributesTo <= ogit/Accounting/LineItem
- ogit/generates <= ogit/Accounting/CompanyEntity
- ogit/generates <= ogit/Accounting/DDTarget</li>

## outgoing edges

- ogit/contains => ogit/Accounting/LineItem
- ogit/contains => ogit/Accounting/CategoryItem

## 1.1.0.6 ogit/Accounting/ConfigItem

Configltem is a company specific template or mapping

- id: http://www.purl.org/ogit/Accounting/ConfigItem
- valid-from: Wed Dec 05 00:00:00 UTC 2018
- · creator: Viktor Voss
- · scope: NTO
- · parent: ogit/Node

#### attributes

- mandatory:
  - ogit/Accounting/subtype
- optional:
  - ogit/Accounting/NAOCategorizations
  - ogit/Accounting/TrialBalanceTargetAccountByNumber
  - ogit/Accounting/detailedCategories
  - ogit/Accounting/mainCategories

#### incoming edges

ogit/Accounting/has <= ogit/Accounting/CompanyEntity</li>

## 1.1.0.7 ogit/Accounting/CompanySpecificCategorization

#### Categorization Map for Categorizing Line Items

• id: http://www.purl.org/ogit/Accounting/CompanySpecificCategorization

valid-from: Wed Dec 05 00:00:00 UTC 2018

· creator: Gibson Xavier

· scope: NTO

· parent: ogit/Node

## incoming edges

• ogit/contains <= ogit/Accounting/CompanyEntity

## outgoing edges

• ogit/contains => ogit/Accounting/CompanyEntity

## 1.1.0.8 ogit/Accounting/CompanyEntity

For example: Group, Legal Entity...

- id: http://www.purl.org/ogit/Accounting/CompanyEntity
- valid-from: Wed Dec 05 00:00:00 UTC 2018

· creator: Viktor Voss

• scope: NTO

• parent: ogit/Node

# attributes

- · optional:
  - ogit/Accounting/accountingStandard

## incoming edges

- ogit/contains <= ogit/Accounting/CompanySpecificCategorization
- ogit/corresponds <= ogit/Accounting/CompanyEntity

### outgoing edges

- ogit/Accounting/has => ogit/Accounting/ConfigItem
- ogit/belongs => ogit/Organization
- ogit/contains => ogit/Accounting/CompanySpecificCategorization
- ogit/corresponds => ogit/Accounting/CompanyEntity
- ogit/generates => ogit/Accounting/FinancialStatement
- ogit/generates => ogit/Timeseries
- ogit/has => ogit/Relevance

## 1.1.0.9 ogit/Accounting/CategoryItem

## Category Item is a Financial Statement Item

• id: http://www.purl.org/ogit/Accounting/CategoryItem

valid-from: Wed Dec 05 00:00:00 UTC 2018

· creator: Viktor Voss

· scope: NTO

• parent: ogit/Node

## attributes

- · mandatory:
  - ogit/Accounting/subtype
- optional:
  - ogit/Accounting/balance
  - ogit/Accounting/rank
  - ogit/id
  - ogit/name

#### incoming edges

- ogit/Accounting/includes <= ogit/Accounting/CategoryItem
- ogit/Accounting/maps <= ogit/Accounting/LineItem
- ogit/contains <= ogit/Accounting/FinancialStatement

#### outgoing edges

- ogit/Accounting/contributesTo => ogit/Accounting/FinancialStatement
- ogit/Accounting/includes => ogit/Accounting/CategoryItem

# 1.1.0.10 ogit/Timeseries

A time series is a sequence of data points, measured typically at successive points in time spaced at uniform time intervals.

• id: http://www.purl.org/ogit/Timeseries

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

· creator: Peter Larem

· scope: SGO

· parent: ogit/Node

## attributes

- · optional:
  - ogit/description
  - ogit/instance
  - ogit/isMutable
  - ogit/name
  - ogit/unit

# incoming edges

• ogit/generates <= ogit/Accounting/CompanyEntity

1.2 Verbs 8

#### 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/Accounting/CompanyEntity => ogit/Accounting/CompanySpecificCategorization

- ogit/Accounting/CompanySpecificCategorization => ogit/Accounting/CompanyEntity
- ogit/Accounting/FinancialStatement => ogit/Accounting/LineItem
- ogit/Accounting/FinancialStatement => ogit/Accounting/CategoryItem
- ogit/Accounting/LineItem => ogit/Accounting/LineItem

#### 1.2.0.2 ogit/generates

Verb indicating if an entity generates another entity.

• id: http://www.purl.org/ogit/generates

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

· creator: Peter Larem

## **Allowed Connection**

- ogit/Accounting/CompanyEntity => ogit/Accounting/FinancialStatement
- ogit/Accounting/CompanyEntity => ogit/Timeseries
- ogit/Accounting/DDTarget => ogit/Accounting/FinancialStatement
- ogit/Accounting/LineItem => ogit/Accounting/LineItem

## 1.2.0.3 ogit/Accounting/includes

Indicates if an category includes another category.

- id: http://www.purl.org/ogit/Accounting/includes
- valid-from: Wed Dec 05 00:00:00 UTC 2018
- · creator: Viktor Voss

1.2 Verbs 9

#### **Allowed Connection**

ogit/Accounting/CategoryItem => ogit/Accounting/CategoryItem

#### 1.2.0.4 ogit/Accounting/contributesTo

Verb associates which entity contributes to another.

• id: http://www.purl.org/ogit/Accounting/contributesTo

valid-from: Wed Dec 05 00:00:00 UTC 2018

· creator: Viktor Voss

#### **Allowed Connection**

- ogit/Accounting/CategoryItem => ogit/Accounting/FinancialStatement
- ogit/Accounting/LineItem => ogit/Accounting/FinancialStatement

## 1.2.0.5 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/Accounting/CompanyEntity => ogit/Accounting/CompanyEntity

#### 1.2.0.6 ogit/Accounting/maps

Indicates if an category maps another category.

- id: http://www.purl.org/ogit/Accounting/maps
- valid-from: Wed Dec 05 00:00:00 UTC 2018
- · creator: Viktor Voss

## **Allowed Connection**

ogit/Accounting/LineItem => ogit/Accounting/CategoryItem

1.2 Verbs 10

#### 1.2.0.7 ogit/belongs

Verb showing if one entity belongs to another.

```
• id: http://www.purl.org/ogit/belongs
```

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

· creator: Peter Larem

## **Allowed Connection**

- ogit/Accounting/CompanyEntity => ogit/Organization
- ogit/Accounting/DDTarget => ogit/Organization

## 1.2.0.8 ogit/Accounting/has

Indicates if an entity has another entity.

```
• id: http://www.purl.org/ogit/Accounting/has
```

valid-from: Wed Dec 12 00:00:00 UTC 2018

· creator: Viktor Voss

#### **Allowed Connection**

• ogit/Accounting/CompanyEntity => ogit/Accounting/ConfigItem

## 1.2.0.9 ogit/has

Indicates if an entity has another entity.

```
• id: http://www.purl.org/ogit/has
```

valid-from: Thu Mar 28 00:00:00 UTC 2019

· creator: Kaushik Gondaliya

# **Allowed Connection**

• ogit/Accounting/CompanyEntity => ogit/Relevance

# 1.3 Attributes

## 1.3.0.1 ogit/Accounting/template

A template of a financial statement.

```
• id: http://www.purl.org/ogit/Accounting/template
```

valid-from: Wed Dec 05 00:00:00 UTC 2018

· creator: Viktor Voss

used

- · optional:
  - ogit/Accounting/FinancialStatement

## 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/Accounting/FinancialStatement

# 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

- 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

- · 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/Accounting/subtype

A subtype of a financial statement. Possible values are: Trial Balance, Balance Sheet, Net Accet Overview

```
• id: http://www.purl.org/ogit/Accounting/subtype
```

valid-from: Wed Dec 05 00:00:00 UTC 2018

· creator: Viktor Voss

used

- · mandatory:
  - ogit/Accounting/CategoryItem
  - ogit/Accounting/ConfigItem
  - ogit/Accounting/FinancialStatement
- optional:
  - ogit/Accounting/LineItem

#### 1.3.0.9 ogit/sourceld

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

- optional:
  - ogit/Organization

## 1.3.0.10 ogit/Accounting/rank

A rank of the item in a financial statement.

```
• id: http://www.purl.org/ogit/Accounting/rank
```

· valid-from: Wed Dec 05 00:00:00 UTC 2018

· creator: Viktor Voss

used

- · optional:
  - ogit/Accounting/CategoryItem

## 1.3.0.11 ogit/Accounting/primaryReportingPeriod

Unknown

- id: http://www.purl.org/ogit/Accounting/primaryReportingPeriod
- valid-from: Wed Dec 12 00:00:00 UTC 2018
- · creator: Viktor Voss

used

- · optional:
  - ogit/Accounting/FinancialStatement

# 1.3.0.12 ogit/unit

Unit of measurement of some value.

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

- · optional:
  - ogit/Timeseries

#### 1.3.0.13 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

## 1.3.0.14 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 usefual 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

# 1.3.0.15 ogit/Accounting/TrialBalanceTargetAccountByNumber

Unknown

- id: http://www.purl.org/ogit/Accounting/TrialBalanceTargetAccountByNumber
- valid-from: Wed Dec 12 00:00:00 UTC 2018
- · creator: Viktor Voss

- · optional:
  - ogit/Accounting/ConfigItem

#### 1.3.0.16 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

## 1.3.0.17 ogit/Accounting/detailedCategories

Unknown

- id: http://www.purl.org/ogit/Accounting/detailedCategories
- valid-from: Wed Dec 12 00:00:00 UTC 2018
- · creator: Viktor Voss

used

- · optional:
  - ogit/Accounting/ConfigItem

# 1.3.0.18 ogit/Accounting/AccountNumber

Unknown

- id: http://www.purl.org/ogit/Accounting/AccountNumber
- valid-from: Wed Dec 12 00:00:00 UTC 2018
- · creator: Viktor Voss

- · optional:
  - ogit/Accounting/LineItem

#### 1.3.0.19 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/Organization
- · optional:
  - ogit/Accounting/CategoryItem
  - ogit/Accounting/LineItem
  - ogit/Timeseries

#### 1.3.0.20 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
  - ogit/Timeseries

# 1.3.0.21 ogit/Accounting/NAOCategorizations

#### Unknown

- id: http://www.purl.org/ogit/Accounting/NAOCategorizations
- valid-from: Wed Dec 12 00:00:00 UTC 2018
- · creator: Viktor Voss

- · optional:
  - ogit/Accounting/ConfigItem

#### 1.3.0.22 ogit/language

A language code, possibly according to ISO 639.

```
• id: http://www.purl.org/ogit/language
```

· valid-from: Wed Dec 05 00:00:00 UTC 2018

· creator: Viktor Voss

used

- · optional:
  - ogit/Accounting/FinancialStatement

## 1.3.0.23 ogit/Accounting/accountingStandard

Unknown

- id: http://www.purl.org/ogit/Accounting/accountingStandard
- valid-from: Wed Dec 12 00:00:00 UTC 2018
- · creator: Viktor Voss

used

- · optional:
  - ogit/Accounting/CompanyEntity

## 1.3.0.24 ogit/Accounting/balance

For a period, or for a category aggregated balance in the related currency

- id: http://www.purl.org/ogit/Accounting/balance
- valid-from: Wed Dec 05 00:00:00 UTC 2018
- · creator: Viktor Voss

- · optional:
  - ogit/Accounting/CategoryItem
  - ogit/Accounting/LineItem

## 1.3.0.25 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

## 1.3.0.26 ogit/Accounting/periods

Aone ore more periods of a financial statement.

- id: http://www.purl.org/ogit/Accounting/periods
- valid-from: Wed Dec 05 00:00:00 UTC 2018
- · creator: Viktor Voss

# used

- · optional:
  - ogit/Accounting/FinancialStatement

# 1.3.0.27 ogit/isMutable

True if the value can be changed. E.g. after a service is provisioned.

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

- · optional:
  - ogit/Timeseries

## 1.3.0.28 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

1.3.0.29 ogit/id

General id.

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

used

- optional:
  - ogit/Accounting/CategoryItem
  - ogit/Accounting/LineItem

1.3.0.30 ogit/occurenceCount

Defines the number an event occured.

- id: http://www.purl.org/ogit/occurenceCount
- valid-from: Wed Aug 03 00:00:00 UTC 2016
- · creator: Philipp Pelchmann

- · optional:
  - ogit/Relevance

## 1.3.0.31 ogit/Accounting/association

A association to one ore more standard categories

```
• id: http://www.purl.org/ogit/Accounting/association
```

• valid-from: Wed Dec 05 00:00:00 UTC 2018

· creator: Viktor Voss

used

- · optional:
  - ogit/Accounting/LineItem

## 1.3.0.32 ogit/instance

Defines the name of an instance.

- id: http://www.purl.org/ogit/instance
- valid-from: Wed Aug 03 00:00:00 UTC 2016
- · creator: Philipp Pelchmann

used

- · optional:
  - ogit/Timeseries

# 1.3.0.33 ogit/Accounting/mainCategories

Unknown

- id: http://www.purl.org/ogit/Accounting/mainCategories
- valid-from: Wed Dec 12 00:00:00 UTC 2018
- · creator: Viktor Voss

- · optional:
  - ogit/Accounting/ConfigItem