

June 9, 2021

1 Module Docur	mentation	1
1.1 Entities .		1
	1.1.0.1 ogit/Organization	1
	1.1.0.2 ogit/Person	2
	1.1.0.3 ogit/Survey/Iteration	3
	1.1.0.4 ogit/Survey/Reply	3
	1.1.0.5 ogit/Survey/Survey	4
	1.1.0.6 ogit/Auth/Account	5
	1.1.0.7 ogit/Project/Milestone	5
	1.1.0.8 ogit/Auth/Organization	6
	1.1.0.9 ogit/Project/Project	7
1.2 Verbs .		8
	1.2.0.1 ogit/supports	8
	1.2.0.2 ogit/consumes	8
	1.2.0.3 ogit/produces	8
	1.2.0.4 ogit/belongs	9
	1.2.0.5 ogit/repliedWith	9
	1.2.0.6 ogit/relates	9
1.3 Attributes		10
	1.3.0.1 ogit/category	10
	1.3.0.2 ogit/comment	10
	1.3.0.3 ogit/postalCode	10
	1.3.0.4 ogit/email	11
	1.3.0.5 ogit/alternativeName	11
	1.3.0.6 ogit/function	11
	1.3.0.7 ogit/country	12
	1.3.0.8 ogit/businessCategory	12
	1.3.0.9 ogit/question	12
	1.3.0.10 ogit/notification	13
	1.3.0.11 ogit/sourceld	13
	1.3.0.12 ogit/mobilePhone	13
	1.3.0.13 ogit/startedAt	14
	1.3.0.14 ogit/city	14
	1.3.0.15 ogit/status	14
	1.3.0.16 ogit/lastName	15
	1.3.0.17 ogit/middleName	15
	1.3.0.18 ogit/plannedFinishDate	16
	1.3.0.19 ogit/streetAddress	16
	1.3.0.20 ogit/Auth/Account/statusReason	16
	1.3.0.21 ogit/firstName	17
	1.3.0.22 ogit/title	17
	1.3.0.23 ogit/isInternal	17

1.3.0.24 ogit/schedule	18
1.3.0.25 ogit/Auth/Account/type	18
1.3.0.26 ogit/name	18
1.3.0.27 ogit/description	19
1.3.0.28 ogit/placement	19
1.3.0.29 ogit/Auth/Account/acceptedProjectTerms	19
1.3.0.30 ogit/finishedAt	20
1.3.0.31 ogit/Auth/Account/acceptedTerms	20
1.3.0.32 ogit/plannedStartDate	20
1.3.0.33 ogit/officePhone	21
1.3.0.34 ogit/phone	21
1.3.0.35 ogit/fax	21
1.3.0.36 ogit/type	22
1.3.0.37 ogit/Auth/Account/allowCookies	22
1.3.0.38 ogit/otherPhone	22
1.3.0.39 ogit/webPage	23
1.3.0.40 ogit/Auth/Account/acceptedPrivacy	23
1.3.0.41 ogit/position	23

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/Survey/Survey

outgoing edges

- ogit/consumes => ogit/Survey/Iteration
- ogit/produces => ogit/Survey/Iteration
- ogit/supports => ogit/Survey/Iteration

1.1.0.2 ogit/Person

A Person represents a human identity.

• id: http://www.purl.org/ogit/Person

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

· creator: Peter Larem

· scope: SGO

· parent: ogit/Node

attributes

- · optional:
 - ogit/alternativeName
 - ogit/email
 - ogit/fax
 - ogit/firstName
 - ogit/lastName
 - ogit/middleName
 - ogit/mobilePhone
 - ogit/notification
 - ogit/officePhone
 - ogit/otherPhone
 - ogit/position
 - ogit/sourceld
 - ogit/status
 - ogit/title
 - ogit/webPage

outgoing edges

- ogit/relates => ogit/Survey/Iteration
- ogit/repliedWith => ogit/Survey/Reply

1.1.0.3 ogit/Survey/Iteration

Iteration of the same survey

• id: http://www.purl.org/ogit/Survey/Iteration

• valid-from: Mon Aug 08 00:00:00 UTC 2016

· creator: Alexander Ryabtsev

· scope: NTO

· parent: ogit/Node

attributes

- · optional:
 - ogit/startedAt
 - ogit/status

incoming edges

- ogit/belongs <= ogit/Survey/Reply
- ogit/consumes <= ogit/Auth/Organization
- ogit/consumes <= ogit/Organization
- ogit/produces <= ogit/Auth/Organization
- ogit/produces <= ogit/Organization
- ogit/relates <= ogit/Person
- ogit/supports <= ogit/Auth/Organization
- ogit/supports <= ogit/Organization

outgoing edges

- ogit/belongs => ogit/Project/Milestone
- ogit/belongs => ogit/Project/Project
- ogit/belongs => ogit/Survey/Survey

1.1.0.4 ogit/Survey/Reply

User's reply on a survey

- id: http://www.purl.org/ogit/Survey/Reply
- valid-from: Mon Aug 08 00:00:00 UTC 2016
- · creator: Alexander Ryabtsev
- · scope: NTO
- parent: ogit/Node

attributes

- · optional:
 - ogit/comment
 - ogit/question

incoming edges

- ogit/repliedWith <= ogit/Auth/Account
- ogit/repliedWith <= ogit/Person

outgoing edges

• ogit/belongs => ogit/Survey/Iteration

1.1.0.5 ogit/Survey/Survey

List with questions

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

• valid-from: Tue Jul 12 00:00:00 UTC 2016

· creator: Arthur Shoba

· scope: NTO

· parent: ogit/Node

attributes

- optional:
 - ogit/category
 - ogit/description
 - ogit/question
 - ogit/schedule
 - ogit/status
 - ogit/title
 - ogit/type

incoming edges

• ogit/belongs <= ogit/Survey/Iteration

outgoing edges

- ogit/belongs => ogit/Organization
- ogit/belongs => ogit/Project/Milestone
- ogit/belongs => ogit/Project/Project

1.1.0.6 ogit/Auth/Account

An account is used for authentication and authorization.

• id: http://www.purl.org/ogit/Auth/Account

· valid-from: Mon Jan 01 00:00:00 UTC 2018

· creator: arago GmbH

· scope: NTO

· parent: ogit/Node

attributes

- · mandatory:
 - ogit/Auth/Account/type
 - ogit/name
 - ogit/status
- optional:
 - ogit/Auth/Account/acceptedPrivacy
 - ogit/Auth/Account/acceptedProjectTerms
 - ogit/Auth/Account/acceptedTerms
 - ogit/Auth/Account/allowCookies
 - ogit/Auth/Account/statusReason
 - ogit/email

outgoing edges

ogit/repliedWith => ogit/Survey/Reply

1.1.0.7 ogit/Project/Milestone

An identity that represents an important event, achievement, ...

- id: http://www.purl.org/ogit/Project/Milestone
- valid-from: Mon Aug 08 00:00:00 UTC 2016
- · creator: Arthur Shoba
- · scope: NTO
- · parent: ogit/Node

attributes

- · optional:
 - ogit/category
 - ogit/finishedAt
 - ogit/plannedFinishDate
 - ogit/plannedStartDate
 - ogit/startedAt
 - ogit/status
 - ogit/title

incoming edges

- ogit/belongs <= ogit/Survey/Iteration
- ogit/belongs <= ogit/Survey/Survey

1.1.0.8 ogit/Auth/Organization

An ogit/Auth/Organization reflects a real world organization registered in hiro knowledge core

- id: http://www.purl.org/ogit/Auth/Organization
- valid-from: Mon Jan 01 00:00:00 UTC 2018
- · creator: arago GmbH
- · scope: NTO
- · parent: ogit/Node

attributes

- mandatory:
 - ogit/name
- optional:
 - ogit/isInternal
 - ogit/status

outgoing edges

- ogit/consumes => ogit/Survey/Iteration
- ogit/produces => ogit/Survey/Iteration
- ogit/supports => ogit/Survey/Iteration

1.1.0.9 ogit/Project/Project

An identity that represents a grouping of Person, Milestone objects.

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

• valid-from: Mon Aug 08 00:00:00 UTC 2016

· creator: Arthur Shoba

• scope: NTO

• parent: ogit/Node

attributes

- optional:
 - ogit/category
 - ogit/finishedAt
 - ogit/placement
 - ogit/plannedFinishDate
 - ogit/plannedStartDate
 - ogit/startedAt
 - ogit/status
 - ogit/title

incoming edges

- ogit/belongs <= ogit/Survey/Iteration
- ogit/belongs <= ogit/Survey/Survey

1.2 Verbs 8

1.2 Verbs

1.2.0.1 ogit/supports

This relationship defines that one entity provides/supports another entity.

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

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

· creator: Peter Larem

Allowed Connection

• ogit/Auth/Organization => ogit/Survey/Iteration

• ogit/Organization => ogit/Survey/Iteration

1.2.0.2 ogit/consumes

This relationship indicates that one consumes result of work from another.

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

· valid-from: Mon Aug 08 00:00:00 UTC 2016

· creator: Alexander Ryabtsev

Allowed Connection

- ogit/Auth/Organization => ogit/Survey/Iteration
- ogit/Organization => ogit/Survey/Iteration

1.2.0.3 ogit/produces

This relationship indicates that one produces some work for another.

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

• valid-from: Mon Aug 08 00:00:00 UTC 2016

· creator: Alexander Ryabtsev

Allowed Connection

- ogit/Auth/Organization => ogit/Survey/Iteration
- $\bullet \ \, \text{ogit/Organization} => \text{ogit/Survey/Iteration}$

1.2 Verbs 9

1.2.0.4 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/Survey/Iteration => ogit/Project/Milestone

- ogit/Survey/Iteration => ogit/Project/Project
- ogit/Survey/Iteration => ogit/Survey/Survey
- ogit/Survey/Reply => ogit/Survey/Iteration
- ogit/Survey/Survey => ogit/Organization
- ogit/Survey/Survey => ogit/Project/Milestone
- ogit/Survey/Survey => ogit/Project/Project

1.2.0.5 ogit/repliedWith

This relationship indicates that user replied with something.

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

· valid-from: Mon Aug 08 00:00:00 UTC 2016

• creator: Alexander Ryabtsev

Allowed Connection

- ogit/Auth/Account => ogit/Survey/Reply
- ogit/Person => ogit/Survey/Reply

1.2.0.6 ogit/relates

General relationship indicating that one entity is related to another one.

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

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

· creator: Peter Larem

Allowed Connection

• ogit/Person => ogit/Survey/Iteration

1.3 Attributes

1.3.0.1 ogit/category

Used to categorize things.

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

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

· creator: Peter Larem

used

- · optional:
 - ogit/Project/Milestone
 - ogit/Project/Project
 - ogit/Survey/Survey

1.3.0.2 ogit/comment

Contains a comment.

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

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

• creator: Aymen Ayoub

used

- optional:
 - ogit/Survey/Reply

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/Auth/Account
 - ogit/Organization
 - ogit/Person

1.3.0.5 ogit/alternativeName

Alternative name of something. In context of a Person this can be the full name or an alias/nick name.

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

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

· creator: Peter Larem

used

- · optional:
 - ogit/Person

1.3.0.6 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

- · optional:
 - ogit/Organization

1.3.0.7 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

1.3.0.8 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

1.3.0.9 ogit/question

Contains a question.

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

- · optional:
 - ogit/Survey/Reply
 - ogit/Survey/Survey

1.3.0.10 ogit/notification

A notification.

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

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

• creator: Philipp Pelchmann

used

- · optional:
 - ogit/Person

1.3.0.11 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

used

- optional:
 - ogit/Organization
 - ogit/Person

1.3.0.12 ogit/mobilePhone

A mobile phone number.

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

- · optional:
 - ogit/Person

1.3.0.13 ogit/startedAt

Defines a point in time when the work on a change, task, or similar entity was actually started. The values must be combined date and time with time zone designator according to ISO 8601

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

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

· creator: Peter Larem

used

- · optional:
 - ogit/Project/Milestone
 - ogit/Project/Project
 - ogit/Survey/Iteration

1.3.0.14 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

1.3.0.15 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

- mandatory:
 - ogit/Auth/Account
- · optional:
 - ogit/Auth/Organization
 - ogit/Organization
 - ogit/Person
 - ogit/Project/Milestone
 - ogit/Project/Project
 - ogit/Survey/Iteration
 - ogit/Survey/Survey

1.3.0.16 ogit/lastName

Last name of a person.

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

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

· creator: Peter Larem

used

- optional:
 - ogit/Person

1.3.0.17 ogit/middleName

Middle name of a person.

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

- · optional:
 - ogit/Person

1.3.0.18 ogit/plannedFinishDate

Defines the date when something will be finished.

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

• valid-from: Mon Aug 08 00:00:00 UTC 2016

· creator: Alexander Ryabtsev

used

- · optional:
 - ogit/Project/Milestone
 - ogit/Project/Project

1.3.0.19 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

1.3.0.20 ogit/Auth/Account/statusReason

Status Reason of an ogit/Auth/Account

- id: http://www.purl.org/ogit/Auth/Account/statusReason
- · valid-from: Mon Jan 01 00:00:00 UTC 2018
- · creator: arago GmbH

- · optional:
 - ogit/Auth/Account

1.3.0.21 ogit/firstName

First name of a person

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

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

· creator: Peter Larem

used

- · optional:
 - ogit/Person

1.3.0.22 ogit/title

Title of any kind. In the context of a Person this can be a courtesy title, an academic title, or a job tilte.

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

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

· creator: Peter Larem

used

- · optional:
 - ogit/Person
 - ogit/Project/Milestone
 - ogit/Project/Project
 - ogit/Survey/Survey

1.3.0.23 ogit/isInternal

Boolean which can define internal data. The actual semantics depends on the usage context

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

• valid-from: Fri Feb 01 00:00:00 UTC 2019

· creator: FCO

- optional:
 - ogit/Auth/Organization

1.3.0.24 ogit/schedule

Schedule represented by a string in cron format.

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

• valid-from: Mon Aug 08 00:00:00 UTC 2016

· creator: Alexander Ryabtsev

used

- · optional:
 - ogit/Survey/Survey

1.3.0.25 ogit/Auth/Account/type

Type of an account. Values: person, application

- id: http://www.purl.org/ogit/Auth/Account/type
- valid-from: Mon Jan 01 00:00:00 UTC 2018
- · creator: arago GmbH

used

- · mandatory:
 - ogit/Auth/Account

1.3.0.26 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

- mandatory:
 - ogit/Auth/Account
 - ogit/Auth/Organization
 - ogit/Organization

1.3.0.27 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/Survey/Survey

1.3.0.28 ogit/placement

A place where the object is placed.

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

• valid-from: Mon Aug 08 00:00:00 UTC 2016

• creator: Alexander Ryabtsev

used

- optional:
 - ogit/Project/Project

1.3.0.29 ogit/Auth/Account/acceptedProjectTerms

Flag about whether HIRO Project terms were accepted

```
• id: http://www.purl.org/ogit/Auth/Account/acceptedProjectTerms
```

· valid-from: Mon Jan 01 00:00:00 UTC 2018

· creator: arago GmbH

- · optional:
 - ogit/Auth/Account

1.3.0.30 ogit/finishedAt

Defines a point in time when the work on a change, task, or similar entity was actually finished. The values must be combined date and time with time zone designator according to ISO 8601

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

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

· creator: Peter Larem

used

- · optional:
 - ogit/Project/Milestone
 - ogit/Project/Project

1.3.0.31 ogit/Auth/Account/acceptedTerms

Flag about whether usage terms were accepted

- id: http://www.purl.org/ogit/Auth/Account/acceptedTerms
- valid-from: Mon Jan 01 00:00:00 UTC 2018
- · creator: arago GmbH

used

- · optional:
 - ogit/Auth/Account

1.3.0.32 ogit/plannedStartDate

Defines the date when something will be started.

- id: http://www.purl.org/ogit/plannedStartDate
- valid-from: Mon Aug 08 00:00:00 UTC 2016
- · creator: Alexander Ryabtsev

- · optional:
 - ogit/Project/Milestone
 - ogit/Project/Project

1.3.0.33 ogit/officePhone

The phone number in the office.

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

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

• creator: Philipp Pelchmann

used

- · optional:
 - ogit/Person

1.3.0.34 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

1.3.0.35 ogit/fax

The number of a fax.

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

- · optional:
 - ogit/Person

1.3.0.36 ogit/type

Type of an an entity.

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

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

· creator: Peter Larem

used

- · optional:
 - ogit/Survey/Survey

1.3.0.37 ogit/Auth/Account/allowCookies

Flag about whether cookies are allowed

- id: http://www.purl.org/ogit/Auth/Account/allowCookies
- valid-from: Mon Jan 01 00:00:00 UTC 2018
- · creator: arago GmbH

used

- optional:
 - ogit/Auth/Account

1.3.0.38 ogit/otherPhone

The number of an other phone.

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

- · optional:
 - ogit/Person

1.3.0.39 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
 - ogit/Person

1.3.0.40 ogit/Auth/Account/acceptedPrivacy

Flag about whether privacy terms were accepted

```
• id: http://www.purl.org/ogit/Auth/Account/acceptedPrivacy
```

• valid-from: Mon Jan 01 00:00:00 UTC 2018

· creator: arago GmbH

used

- optional:
 - ogit/Auth/Account

1.3.0.41 ogit/position

Indicates user's position. This field contains a string value.

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

• valid-from: Tue Oct 18 00:00:00 UTC 2016

· creator: Arthur Shoba

- · optional:
 - ogit/Person