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Price

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September 4, 2019

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# Chapter 1

## Module Documentation

### 1.1 Entities

#### 1.1.0.1 ogit/Price/Invoice

Models any type of invoice

- id: <http://www.purl.org/ogit/Price/Invoice>
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem
- scope: NTO
- parent: ogit/Node

#### attributes

- mandatory:
  - [ogit/Price/priceAmount](#)
  - [ogit/currency](#)
- optional:
  - [ogit/description](#)
  - [ogit/name](#)

#### incoming edges

- [ogit/generates](#) <= [ogit/ServiceManagement/Report](#)

#### outgoing edges

- [ogit/bills](#) => [ogit/ServiceManagement/Order](#)

### 1.1.0.2 ogit/ServiceManagement/Order

Defines an order.

- id: <http://www.purl.org/ogit/ServiceManagement/Order>
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem
- scope: NTO
- parent: ogit/Node

#### attributes

- mandatory:
  - [ogit/id](#)
- optional:
  - [ogit/ServiceManagement/externalTicketId](#)
  - [ogit/ServiceManagement/externalTicketSource](#)
  - [ogit/ServiceManagement/reportedSource](#)
  - [ogit/ServiceManagement/sourceStatus](#)
  - [ogit/closedAt](#)
  - [ogit/createdAt](#)
  - [ogit/description](#)
  - [ogit/impact](#)
  - [ogit/lastUpdatedAt](#)
  - [ogit/openedAt](#)
  - [ogit/priority](#)
  - [ogit/project](#)
  - [ogit/summary](#)
  - [ogit/urgency](#)

#### incoming edges

- [ogit/bills](#) <= [ogit/Price/Invoice](#)

### 1.1.0.3 ogit/Price/PriceSpecification

Models a price specification for any type of IT service, component or task

- id: <http://www.purl.org/ogit/Price/PriceSpecification>
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem
- scope: NTO
- parent: ogit/Node

## incoming edges

- [ogit/specifies](#) <= [ogit/Parameter](#)

1.1.0.4 [ogit/ServiceManagement/Report](#)

Reporting about IT service delivery

- id: <http://www.purl.org/ogit/ServiceManagement/Report>
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem
- scope: NTO
- parent: [ogit/Node](#)

## attributes

- optional:
  - [ogit/id](#)
  - [ogit/name](#)
  - [ogit/version](#)

## outgoing edges

- [ogit/generates](#) => [ogit/Price/Invoice](#)

1.1.0.5 [ogit/Parameter](#)

Defines a parameter of an entity, for example: service, action, ticket, sla, etc.

- id: <http://www.purl.org/ogit/Parameter>
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Peter Larem
- scope: SGO
- parent: [ogit/Node](#)

**attributes**

- mandatory:
  - [ogit/name](#)
- optional:
  - [ogit/ServiceManagement/granularity](#)
  - [ogit/ServiceManagement/isRequired](#)
  - [ogit/ServiceManagement/requirementId](#)
  - [ogit/category](#)
  - [ogit/description](#)
  - [ogit/isMutable](#)
  - [ogit/lengthOfReportingPeriod](#)
  - [ogit/unit](#)
  - [ogit/uri](#)
  - [ogit/values](#)

**outgoing edges**

- [ogit/specifies](#) => [ogit/Price/PriceSpecification](#)

## 1.2 Verbs

### 1.2.0.1 ogit/bills

Indicates if one entity bills another one, e.g. an Invoice bills an Order

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

#### Allowed Connection

- [ogit/Price/Invoice](#) => [ogit/ServiceManagement/Order](#)

### 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/ServiceManagement/Report](#) => [ogit/Price/Invoice](#)

### 1.2.0.3 ogit/specifies

One entity "specifies" another.

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

#### Allowed Connection

- [ogit/Parameter](#) => [ogit/Price/PriceSpecification](#)



## 1.3 Attributes

### 1.3.0.1 ogit/ServiceManagement/requirementId

IDs of the corresponding requirements that lead to the entity creation.

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

used

- optional:
  - [ogit/Parameter](#)

### 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

- mandatory:
  - [ogit/Price/Invoice](#)

### 1.3.0.3 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/Parameter](#)

#### 1.3.0.4 ogit/Price/factor

Value of the factor.

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

#### 1.3.0.5 ogit/ServiceManagement/isRequired

True if the value has to be specified for the Service to be provisioned. False otherwise.

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

used

- optional:
  - [ogit/Parameter](#)

#### 1.3.0.6 ogit/Price/discreteValue

Concrete value for the pricing element.

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

#### 1.3.0.7 ogit/urgency

Contains the urgency which could be applied to a ticket, incident etc.

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

used

- optional:
  - [ogit/ServiceManagement/Order](#)

#### 1.3.0.8 ogit/project

Project name, for which the entity is being used.

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

used

- optional:
  - [ogit/ServiceManagement/Order](#)

#### 1.3.0.9 ogit/ServiceManagement/granularity

Smallest value increment of a Parameter

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

used

- optional:
  - [ogit/Parameter](#)

#### 1.3.0.10 ogit/ServiceManagement/externalTicketId

If a ticket was imported/duplicated from another system this attribute will define the ticket ID from the source system.

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

used

- optional:
  - [ogit/ServiceManagement/Order](#)

1.3.0.11 `ogit/uri`

Unified resource identifier

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

used

- optional:
  - [ogit/Parameter](#)

1.3.0.12 `ogit/Price/timeUnitSeconds`

Time unit (in seconds) that price applies to. A time unit of 0 for a quantity means a one-time fee is charged. A time unit of 0 for an activity means the price is charged for every instance of the activity. All pricing elements of an attribute pricing must have the same time unit. The time unit is irrelevant for factor pricing elements.

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

1.3.0.13 `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

used

- optional:
  - [ogit/Parameter](#)

1.3.0.14 `ogit/Price/factorTarget`

Where to apply the factor (Node/Tree/Attribute).

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

**1.3.0.15 ogit/createdAt**

Defines a point in time when a ticket/incident/event etc was created or recorded.

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

used

- optional:
  - [ogit/ServiceManagement/Order](#)

**1.3.0.16 ogit/Price/priceTimeUnit**

Unit price of the service per time unit (attribute timeUnitSeconds).

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

**1.3.0.17 ogit/priority**

Priority of a ticket. The actual semantics might depend on the ticket type (Incident, Service Request, ...)

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

used

- optional:
  - [ogit/ServiceManagement/Order](#)

**1.3.0.18 ogit/ServiceManagement/externalTicketSource**

If a ticket was imported/duplicated from another system this will contain a string indentifying the source system.

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

used

- optional:
  - [ogit/ServiceManagement/Order](#)

**1.3.0.19 ogit/closedAt**

Will defined the time when a ticket was closed. The values must be combined date and time with time zone designator according to ISO 8601

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

used

- optional:
  - [ogit/ServiceManagement/Order](#)

**1.3.0.20 ogit/Price/priceAmount**

Amount to pay for example for an invoice.

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

used

- mandatory:
  - [ogit/Price/Invoice](#)

**1.3.0.21 ogit/version**

Any string representation of version information. no restrictions are imposed on that base attribute

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

used

- optional:
  - [ogit/ServiceManagement/Report](#)

1.3.0.22 `ogit/lengthOfReportingPeriod`

Period in which the attribute is reported.

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

used

- optional:
  - [ogit/Parameter](#)

1.3.0.23 `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/Parameter](#)
- optional:
  - [ogit/Price/Invoice](#)
  - [ogit/ServiceManagement/Report](#)

1.3.0.24 `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/Parameter](#)
  - [ogit/Price/Invoice](#)
  - [ogit/ServiceManagement/Order](#)

#### 1.3.0.25 ogit/impact

Will contain the impact, for example of a ticket. In this case the actual semantics would depend on the ticket type, which could correspond to an Incident, Service Request, etc.

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

used

- optional:
  - [ogit/ServiceManagement/Order](#)

#### 1.3.0.26 ogit/openedAt

Time when a ticket or task was created/opened. The values could combine date and time with time zone designator according to ISO 8601 for service management tickets. For most tickets there is no real difference between creation and opened time. In case such a distinction is relevant the "createdAt" attribute can be used.

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

used

- optional:
  - [ogit/ServiceManagement/Order](#)

#### 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

used

- optional:
  - [ogit/Parameter](#)



#### 1.3.0.28 ogit/ServiceManagement/sourceStatus

It can be used to define application specific status values, which are not allowed by a normalized status, e.g. incidentStatus, changeStatus etc.

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

used

- optional:
  - [ogit/ServiceManagement/Order](#)

#### 1.3.0.29 ogit/Price/targetAttribute

Attribute to which the factor will be applied to (If target == Attribute)

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

#### 1.3.0.30 ogit/lastUpdatedAt

Defines latest date and time when a ticket or it's comment was updated. The format of this value could be according to ISO 8601.

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

used

- optional:
  - [ogit/ServiceManagement/Order](#)

#### 1.3.0.31 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

- mandatory:
  - [ogit/ServiceManagement/Order](#)
- optional:
  - [ogit/ServiceManagement/Report](#)

#### 1.3.0.32 [ogit/summary](#)

A summary/short description, for example of a ticket.

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

used

- optional:
  - [ogit/ServiceManagement/Order](#)

#### 1.3.0.33 [ogit/values](#)

Represents a list of values. How to actually encode a list of values is left to the semantics of the entities using this attribute.

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

used

- optional:
  - [ogit/Parameter](#)

#### 1.3.0.34 [ogit/ServiceManagement/reportedSource](#)

Can be used to define how a ticket was communicated. It could define some kind of communication channel ("↔ ServiceDesk", "Email") or, e.g. for Incident records, it might define that the ticket was produced automatically from an event management system.

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

used

- optional:
  - [ogit/ServiceManagement/Order](#)