

---

MARS

---

February 14, 2021

<b>1 Representing MARS in OGIT ontology</b>	<b>1</b>
<b>2 Module Documentation</b>	<b>3</b>
2.1 Entities	3
2.1.0.1 ogit/MARS/Software	3
2.1.0.2 ogit/ServiceManagement/ChangeRequest	5
2.1.0.3 ogit/Datacenter/Virtual/Cluster	6
2.1.0.4 ogit/ServiceManagement/Order	6
2.1.0.5 ogit/OSLC-crtv/ServiceInstance	7
2.1.0.6 ogit/Datacenter/Virtual/ResourcePool	8
2.1.0.7 ogit/ServiceManagement/Incident	8
2.1.0.8 ogit/MARS/Application	9
2.1.0.9 ogit/SalesDistribution/SalesOrder	10
2.1.0.10 ogit/ServiceManagement/Ticket	11
2.1.0.11 ogit/Attachment	12
2.1.0.12 ogit/ServiceManagement/Problem	13
2.1.0.13 ogit/ConfigurationItem	13
2.1.0.14 ogit/Data/Log	15
2.1.0.15 ogit/Network/NetworkInterface	16
2.1.0.16 ogit/ServiceManagement/Report	16
2.1.0.17 ogit/MARS/Machine	17
2.1.0.18 ogit/Environment	18
2.1.0.19 ogit/MARS/Resource	19
2.1.0.20 ogit/Asset	20
2.1.0.21 ogit/Event	21
2.1.0.22 ogit/Automation/Configuration	22
2.1.0.23 ogit/SalesDistribution/Customer	22
2.1.0.24 ogit/License	23
2.1.0.25 ogit/Timeseries	24
2.2 Verbs	25
2.2.0.1 ogit/contains	25
2.2.0.2 ogit/runsOn	25
2.2.0.3 ogit/generates	25
2.2.0.4 ogit/describes	26
2.2.0.5 ogit/corresponds	26
2.2.0.6 ogit/affects	26
2.2.0.7 ogit/OSLC-crtv/runsOn	27
2.2.0.8 ogit/dependsOn	28
2.2.0.9 ogit/belongs	28
2.2.0.10 ogit/uses	28
2.2.0.11 ogit/reportedOn	29
2.2.0.12 ogit/consistsOf	30

2.2.0.13 ogit/relates . . . . .	30
2.3 Attributes . . . . .	31
2.3.0.1 ogit/MARS/Network/fqdn . . . . .	31
2.3.0.2 ogit/ciType . . . . .	31
2.3.0.3 ogit/MARS/Software/installPath . . . . .	31
2.3.0.4 ogit/reviewedAt . . . . .	32
2.3.0.5 ogit/MARS/Network/interfaceMAC . . . . .	32
2.3.0.6 ogit/ServiceManagement/testPlan . . . . .	32
2.3.0.7 ogit/Data/timeToLive . . . . .	33
2.3.0.8 ogit/certainty . . . . .	33
2.3.0.9 ogit/currency . . . . .	33
2.3.0.10 ogit/category . . . . .	34
2.3.0.11 ogit/comment . . . . .	34
2.3.0.12 ogit/assignedAt . . . . .	34
2.3.0.13 ogit/endOfWarranty . . . . .	35
2.3.0.14 ogit/productOrderNumber . . . . .	35
2.3.0.15 ogit/MARS/Network/bindAddress . . . . .	35
2.3.0.16 ogit/MARS/Machine/class . . . . .	36
2.3.0.17 ogit/MARS/Machine/cpuArch . . . . .	36
2.3.0.18 ogit/checkedOutAt . . . . .	36
2.3.0.19 ogit/MARS/Software/logPath . . . . .	37
2.3.0.20 ogit/ServiceManagement/resolvedAt . . . . .	37
2.3.0.21 ogit/urgency . . . . .	37
2.3.0.22 ogit/deliveredAt . . . . .	38
2.3.0.23 ogit/isCritical . . . . .	38
2.3.0.24 ogit/asset . . . . .	38
2.3.0.25 ogit/ServiceManagement/customer . . . . .	39
2.3.0.26 ogit/Version/major . . . . .	39
2.3.0.27 ogit/integrity . . . . .	39
2.3.0.28 ogit/ServiceManagement/scheduledStartAt . . . . .	40
2.3.0.29 ogit/project . . . . .	40
2.3.0.30 ogit/maintenanceState . . . . .	40
2.3.0.31 ogit/SalesDistribution/orderDate . . . . .	41
2.3.0.32 ogit/SalesDistribution/amount . . . . .	41
2.3.0.33 ogit/ServiceManagement/externalTicketId . . . . .	41
2.3.0.34 ogit/sourceId . . . . .	42
2.3.0.35 ogit/url . . . . .	42
2.3.0.36 ogit/licenseKey . . . . .	42
2.3.0.37 ogit/purchasedAt . . . . .	43
2.3.0.38 ogit/severity . . . . .	43
2.3.0.39 ogit/effort . . . . .	43
2.3.0.40 ogit/startedAt . . . . .	44

---

2.3.0.41 ogit/assetTag . . . . .	44
2.3.0.42 ogit/licenseType . . . . .	44
2.3.0.43 ogit/unit . . . . .	45
2.3.0.44 ogit/installedAt . . . . .	45
2.3.0.45 ogit/updateCount . . . . .	45
2.3.0.46 ogit/installStatus . . . . .	46
2.3.0.47 ogit/Automation/automationState . . . . .	46
2.3.0.48 ogit/ServiceManagement/incidentStatus . . . . .	46
2.3.0.49 ogit/status . . . . .	47
2.3.0.50 ogit/createdAt . . . . .	47
2.3.0.51 ogit/ServiceManagement/workAround . . . . .	47
2.3.0.52 ogit/ServiceManagement/rootCause . . . . .	48
2.3.0.53 ogit/model . . . . .	48
2.3.0.54 ogit/Automation/lifecycle . . . . .	48
2.3.0.55 ogit/ServiceManagement/problemStatus . . . . .	49
2.3.0.56 ogit/priority . . . . .	49
2.3.0.57 ogit/shortDescription . . . . .	49
2.3.0.58 ogit/resource . . . . .	50
2.3.0.59 ogit/ServiceManagement/targetFinishAt . . . . .	50
2.3.0.60 ogit/MARS/Software/instanceId . . . . .	50
2.3.0.61 ogit/accessControl . . . . .	51
2.3.0.62 ogit/ServiceManagement/ticketId . . . . .	51
2.3.0.63 ogit/justification . . . . .	51
2.3.0.64 ogit/SalesDistribution/salesOrderId . . . . .	52
2.3.0.65 ogit/invoiceNumber . . . . .	52
2.3.0.66 ogit/ServiceManagement/externalTicketSource . . . . .	52
2.3.0.67 ogit/soxClass . . . . .	53
2.3.0.68 ogit/closedAt . . . . .	53
2.3.0.69 ogit/ServiceManagement/resolutionCode . . . . .	53
2.3.0.70 ogit/expiresAt . . . . .	54
2.3.0.71 ogit/businessCriticality . . . . .	54
2.3.0.72 ogit/leaseContract . . . . .	54
2.3.0.73 ogit/MARS/Application/subClass . . . . .	55
2.3.0.74 ogit/securityClass . . . . .	55
2.3.0.75 ogit/serialNumber . . . . .	55
2.3.0.76 ogit/MARS/Network/defaultGateway . . . . .	56
2.3.0.77 ogit/assignedGroup . . . . .	56
2.3.0.78 ogit/version . . . . .	56
2.3.0.79 ogit/MARS/Machine/ram . . . . .	57
2.3.0.80 ogit/MARS/Network/port . . . . .	57
2.3.0.81 ogit/class . . . . .	57
2.3.0.82 ogit/Version/patch . . . . .	58

2.3.0.83 ogit/content	58
2.3.0.84 ogit/confidentiality	58
2.3.0.85 ogit/MARS/Machine/kernel	59
2.3.0.86 ogit/lastOccurredAt	59
2.3.0.87 ogit/SalesDistribution/customerId	59
2.3.0.88 ogit/MARS/Network/protocol	60
2.3.0.89 ogit/ServiceManagement/scheduledFinishAt	60
2.3.0.90 ogit/MARS/Network/ipVersion	60
2.3.0.91 ogit/name	61
2.3.0.92 ogit/description	61
2.3.0.93 ogit/finishedAt	62
2.3.0.94 ogit/externalId	62
2.3.0.95 ogit/impact	62
2.3.0.96 ogit/contact	63
2.3.0.97 ogit/MARS/Software/subClass	63
2.3.0.98 ogit/Version/minor	63
2.3.0.99 ogit/orderedAt	64
2.3.0.100 ogit/faultCount	64
2.3.0.101 ogit/risk	64
2.3.0.102 ogit/lastUpdatedBy	65
2.3.0.103 ogit/ServiceManagement/fallbackPlan	65
2.3.0.104 ogit/isRoot	65
2.3.0.105 ogit/openedAt	66
2.3.0.106 ogit/expirationDate	66
2.3.0.107 ogit/acknowledgeState	66
2.3.0.108 ogit/deadline	67
2.3.0.109 ogit/type	67
2.3.0.110 ogit/subCategory	67
2.3.0.111 ogit/MARS/Network/interfacePrefixLength	68
2.3.0.112 ogit/isMutable	68
2.3.0.113 ogit/sourceTable	68
2.3.0.114 ogit/creator	69
2.3.0.115 ogit/ServiceManagement/implementationPlan	69
2.3.0.116 ogit/availability	69
2.3.0.117 ogit/MARS/Network/interfaceIP	70
2.3.0.118 ogit/lastScannedAt	70
2.3.0.119 ogit/subType	70
2.3.0.120 ogit/MARS/Application/class	71
2.3.0.121 ogit/pendingChange	71
2.3.0.122 ogit/ServiceManagement/sourceStatus	71
2.3.0.123 ogit/inventoryNumber	72
2.3.0.124 ogit/lastUpdatedAt	72

---

2.3.0.125 ogit/modelNumber . . . . .	72
2.3.0.126 ogit/MARS/Machine/distroName . . . . .	73
2.3.0.127 ogit/MARS/Network/interfaceName . . . . .	73
2.3.0.128 ogit/id . . . . .	73
2.3.0.129 ogit/MARS/Software/class . . . . .	74
2.3.0.130 ogit/occurenceCount . . . . .	74
2.3.0.131 ogit/ServiceManagement/solution . . . . .	75
2.3.0.132 ogit/subject . . . . .	75
2.3.0.133 ogit/checkedInAt . . . . .	75
2.3.0.134 ogit/summary . . . . .	76
2.3.0.135 ogit/lastClearedAt . . . . .	76
2.3.0.136 ogit/MARS/Resource/class . . . . .	76
2.3.0.137 ogit/Automation/marsNodeType . . . . .	77
2.3.0.138 ogit/size . . . . .	77
2.3.0.139 ogit/serviceContract . . . . .	77
2.3.0.140 ogit/Automation/serviceStatus . . . . .	78
2.3.0.141 ogit/vendor . . . . .	78
2.3.0.142 ogit/firstOccurredAt . . . . .	78
2.3.0.143 ogit/validFrom . . . . .	79
2.3.0.144 ogit/Automation/governingContract . . . . .	79
2.3.0.145 ogit/MARS/Software/serviceName . . . . .	79
2.3.0.146 ogit/reportedAt . . . . .	80
2.3.0.147 ogit/ServiceManagement/targetStartAt . . . . .	80
2.3.0.148 ogit/ServiceManagement/reportedSource . . . . .	80
2.3.0.149 ogit/ServiceManagement/task . . . . .	81
2.3.0.150 ogit/instance . . . . .	81
2.3.0.151 ogit/isSupported . . . . .	81
2.3.0.152 ogit/operationalStatus . . . . .	82
2.3.0.153 ogit/validTo . . . . .	82
2.3.0.154 ogit/ServiceManagement/changeStatus . . . . .	82

# Chapter 1

## Representing MARS in OGIT ontology

### Overview

All definition in the *ogit/MARS* namespace aim to have a proper modelling of **MARS Nodes** as graph data.

Those definitions will obsolete

- **MARS XML Schema**
- Modelling of MARS nodes in the **Automation NTO**

### Transition to MARS NTO

#### Entity Mappings

instead of just one entity type *ogit/Automation/MARSNode* there are now four:

- *ogit/MARS/Application*
- *ogit/MARS/Resource*
- *ogit/MARS/Software*
- *ogit/MARS/Machine*

#### Attribute Mappings

general remarks:

- */NodeID*, */ID* is supposed to be stored in *ogit/\_xid* (user provided indentifiers)
- */NodeName* is mapped to *ogit/name*
- */NodeType* is mapped to *ogit/\_type* (one of the four entity types)
- the following attributes from *ogit/Automation/MARSNode* become obsolete:

- ogit/Automation/marsNodeFormalRepresentation
- ogit/Automation/marsNodeType (replaced by ogit/\_type)
- a few attributes from ogit/Automation NTO have been reused
- attributes from SGO or other NTOs have been reused when appropriate
- the following attributes were added without having a corresponding definition in MARS XML Schema:
  - ogit/url for "Software" and "Resource"
  - ogit/serialNumber for "Software"
  - ogit/Automation/lifecycle
- only a subset of attributes defined by MARS XML Schema is mapped to *ontology defined attributes*. All others will remain "free attributes"
- the following *classification attributes* have a predefined list of allowed values:
  - ApplicationClass, ApplicationSubClass
  - ResourceClass
  - MachineClass
- the values of *classification attributes* for Software MARS nodes are not validated, yet

The full mapping is defined here.

## Verb Mappings

- ogit/Automation/MARSNode -ogit/relates-> ogit/Automation/MARSNode is replaced by:
  - ogit/MARS/Application -ogit/dependsOn-> ogit/MARS/Resource
  - ogit/MARS/Resource -ogit/dependsOn-> ogit/MARS/Software
  - ogit/MARS/Software -ogit/dependsOn-> ogit/MARS/Machine
- most relationships for ogit/Automation/MARSNode are also allowed for ogit/MARS/\*:
  - everything from the ogit/ServiceManagement NTO
  - relations to objects with secondary data: ogit/Timeseries, ogit/Attachment, ...
  - when appropriate the new mappings are only for specific MARS nodes, e.g. only ogit/MARS/↔ Application
- some relationships for ogit/Automation/MARSNode were not duplicated for ogit/MARS/\* (at least not yet):
  - most relationships between ogit/Automation/MARSNode and other entities from ogit/↔ Automation NTO



## Chapter 2

# Module Documentation

### 2.1 Entities

#### 2.1.0.1 ogit/MARS/Software

Vertices of this type are the 'S'-nodes in the MARS model. 'S' stands for 'Software' and those nodes form the second lowest layer in the A-R-S-M layer model. It's up to the user whether it will model a specific instance of a software (linked to just one 'Machine' node) or several identical instances (then the 'Software' node will be linked to several 'Machine' nodes)

- id: <http://www.purl.org/ogit/MARS/Software>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: FCO
- scope: NTO
- parent: ogit/Node

#### attributes

- mandatory:
  - [ogit/MARS/Software/class](#)
  - [ogit/MARS/Software/subClass](#)
  - [ogit/name](#)
- optional:
  - [ogit/Automation/automationState](#)
  - [ogit/Automation/lifecycle](#)
  - [ogit/Automation/marsNodeType](#)
  - [ogit/Automation/serviceStatus](#)
  - [ogit/MARS/Network/bindAddress](#)
  - [ogit/MARS/Network/port](#)
  - [ogit/MARS/Network/protocol](#)
  - [ogit/MARS/Software/installPath](#)

- `ogit/MARS/Software/installPath`
- `ogit/MARS/Software/instanceId`
- `ogit/MARS/Software/logPath`
- `ogit/MARS/Software/serviceName`
- `ogit/Version/major`
- `ogit/Version/minor`
- `ogit/Version/patch`
- `ogit/endOfWarranty`
- `ogit/serialNumber`
- `ogit/url`
- `ogit/vendor`

#### incoming edges

- `ogit/affects`  $\leq$  `ogit/ServiceManagement/ChangeRequest`
- `ogit/affects`  $\leq$  `ogit/ServiceManagement/Incident`
- `ogit/affects`  $\leq$  `ogit/ServiceManagement/Problem`
- `ogit/affects`  $\leq$  `ogit/ServiceManagement/Ticket`
- `ogit/affects`  $\leq$  `ogit/Event`
- `ogit/belongs`  $\leq$  `ogit/Attachment`
- `ogit/corresponds`  $\leq$  `ogit/ConfigurationItem`
- `ogit/dependsOn`  $\leq$  `ogit/MARS/Resource`
- `ogit/describes`  $\leq$  `ogit/Asset`
- `ogit/relates`  $\leq$  `ogit/ServiceManagement/ChangeRequest`
- `ogit/relates`  $\leq$  `ogit/ServiceManagement/Report`
- `ogit/relates`  $\leq$  `ogit/ConfigurationItem`
- `ogit/relates`  $\leq$  `ogit/Event`
- `ogit/reportedOn`  $\leq$  `ogit/ServiceManagement/ChangeRequest`
- `ogit/reportedOn`  $\leq$  `ogit/ServiceManagement/Incident`
- `ogit/reportedOn`  $\leq$  `ogit/ServiceManagement/Order`
- `ogit/reportedOn`  $\leq$  `ogit/ServiceManagement/Problem`
- `ogit/reportedOn`  $\leq$  `ogit/ServiceManagement/Ticket`

#### outgoing edges

- `ogit/dependsOn`  $\Rightarrow$  `ogit/MARS/Machine`
- `ogit/generates`  $\Rightarrow$  `ogit/Data/Log`
- `ogit/generates`  $\Rightarrow$  `ogit/Timeseries`

### 2.1.0.2 ogit/ServiceManagement/ChangeRequest

This entity type defines a change request ticket

- id: <http://www.purl.org/ogit/ServiceManagement/ChangeRequest>
- 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/changeStatus](#)
  - [ogit/ServiceManagement/customer](#)
  - [ogit/ServiceManagement/fallbackPlan](#)
  - [ogit/ServiceManagement/implementationPlan](#)
  - [ogit/ServiceManagement/resolutionCode](#)
  - [ogit/ServiceManagement/scheduledFinishAt](#)
  - [ogit/ServiceManagement/scheduledStartAt](#)
  - [ogit/ServiceManagement/solution](#)
  - [ogit/ServiceManagement/sourceStatus](#)
  - [ogit/ServiceManagement/targetFinishAt](#)
  - [ogit/ServiceManagement/targetStartAt](#)
  - [ogit/ServiceManagement/testPlan](#)
  - [ogit/assignedGroup](#)
  - [ogit/category](#)
  - [ogit/effort](#)
  - [ogit/finishedAt](#)
  - [ogit/justification](#)
  - [ogit/reportedAt](#)
  - [ogit/reviewedAt](#)
  - [ogit/risk](#)
  - [ogit/startedAt](#)

## outgoing edges

- [ogit/affects](#) => [ogit/MARS/Application](#)
- [ogit/affects](#) => [ogit/MARS/Resource](#)
- [ogit/affects](#) => [ogit/MARS/Software](#)
- [ogit/affects](#) => [ogit/MARS/Machine](#)
- [ogit/relates](#) => [ogit/MARS/Machine](#)
- [ogit/relates](#) => [ogit/MARS/Software](#)
- [ogit/relates](#) => [ogit/MARS/Resource](#)
- [ogit/relates](#) => [ogit/MARS/Application](#)
- [ogit/reportedOn](#) => [ogit/MARS/Machine](#)
- [ogit/reportedOn](#) => [ogit/MARS/Software](#)
- [ogit/reportedOn](#) => [ogit/MARS/Resource](#)
- [ogit/reportedOn](#) => [ogit/MARS/Application](#)

2.1.0.3 [ogit/Datacenter/Virtual/Cluster](#)

This entity represents a cluster in a virtual datacenter.

- id: <http://www.purl.org/ogit/Datacenter/Virtual/Cluster>
- valid-from: Wed Feb 10 00:00:00 UTC 2021
- creator: Marek Meyer
- scope: NTO
- parent: [ogit/Node](#)

## attributes

- mandatory:
  - [ogit/name](#)

## incoming edges

- [ogit/runsOn](#) <= [ogit/MARS/Machine](#)

2.1.0.4 [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](#)

## outgoing edges

- [ogit/reportedOn](#) => [ogit/MARS/Machine](#)
- [ogit/reportedOn](#) => [ogit/MARS/Software](#)
- [ogit/reportedOn](#) => [ogit/MARS/Resource](#)
- [ogit/reportedOn](#) => [ogit/MARS/Application](#)

2.1.0.5 [ogit/OSLC-crtv/ServiceInstance](#)

A Service Instance is the representation of a service offering that was selected by the customer and then instantiated for that specific customer. Service Instances are supported by definite and measurable warranties or guarantees that the expected level of service/value will be met. Instances of the resource carry exposure from the group that is responsible for supporting the offering externally to the group that is utilizing the offering. It is common to group or nest instances together to form a service instance hierarchy. This resource definition does not represent the individual processes and/or activities that comprise an overall service except in the case where such processes are viewed as an independent service. In this condition, an instance of ServiceInstance would be created to represent the ServiceInstance of the process, then creating a hierarchy of ServiceInstances (to the containing ServiceInstance).

- id: <http://www.purl.org/ogit/OSLC-crtv/ServiceInstance>
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- scope: NTO
- parent: [ogit/Node](#)

## outgoing edges

- [ogit/OSLC-crtv/runsOn](#) => [ogit/MARS/Machine](#)

2.1.0.6 [ogit/Datacenter/Virtual/ResourcePool](#)

This entity represents a resource pool in virtual datacenter.

- id: <http://www.purl.org/ogit/Datacenter/Virtual/ResourcePool>
- valid-from: Wed Feb 10 00:00:00 UTC 2021
- creator: Marek Meyer
- scope: NTO
- parent: [ogit/Node](#)

## attributes

- mandatory:
  - [ogit/name](#)

## incoming edges

- [ogit/runsOn](#) <= [ogit/MARS/Machine](#)

2.1.0.7 [ogit/ServiceManagement/Incident](#)

This entity type defines an incident ticket.

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

## attributes

- optional:
  - [ogit/ServiceManagement/customer](#)
  - [ogit/ServiceManagement/incidentStatus](#)
  - [ogit/ServiceManagement/reportedSource](#)
  - [ogit/ServiceManagement/resolutionCode](#)
  - [ogit/ServiceManagement/resolvedAt](#)
  - [ogit/ServiceManagement/solution](#)
  - [ogit/ServiceManagement/sourceStatus](#)
  - [ogit/ServiceManagement/task](#)
  - [ogit/assignedGroup](#)
  - [ogit/category](#)
  - [ogit/id](#)
  - [ogit/reportedAt](#)

**outgoing edges**

- [ogit/affects => ogit/MARS/Application](#)
- [ogit/affects => ogit/MARS/Resource](#)
- [ogit/affects => ogit/MARS/Software](#)
- [ogit/affects => ogit/MARS/Machine](#)
- [ogit/reportedOn => ogit/MARS/Machine](#)
- [ogit/reportedOn => ogit/MARS/Software](#)
- [ogit/reportedOn => ogit/MARS/Resource](#)
- [ogit/reportedOn => ogit/MARS/Application](#)

**2.1.0.8 ogit/MARS/Application**

Vertices of this type are the 'A'-nodes in the MARS model. 'A' stands for 'Application' and those nodes form the highest layer in the A-R-S-M layer model. An 'Application' node groups 'Resource' nodes which form one business application.

- id: <http://www.purl.org/ogit/MARS/Application>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: FCO
- scope: NTO
- parent: ogit/Node

**attributes**

- mandatory:
  - [ogit/MARS/Application/class](#)
  - [ogit/MARS/Application/subClass](#)
  - [ogit/name](#)
- optional:
  - [ogit/Automation/automationState](#)
  - [ogit/Automation/lifecycle](#)
  - [ogit/Automation/marsNodeType](#)
  - [ogit/Automation/serviceStatus](#)

## incoming edges

- `ogit/affects`  $\leq$  `ogit/ServiceManagement/ChangeRequest`
- `ogit/affects`  $\leq$  `ogit/ServiceManagement/Incident`
- `ogit/affects`  $\leq$  `ogit/ServiceManagement/Problem`
- `ogit/affects`  $\leq$  `ogit/ServiceManagement/Ticket`
- `ogit/affects`  $\leq$  `ogit/Event`
- `ogit/belongs`  $\leq$  `ogit/SalesDistribution/Customer`
- `ogit/belongs`  $\leq$  `ogit/SalesDistribution/SalesOrder`
- `ogit/belongs`  $\leq$  `ogit/Attachment`
- `ogit/consistsOf`  $\leq$  `ogit/Environment`
- `ogit/corresponds`  $\leq$  `ogit/ConfigurationItem`
- `ogit/relates`  $\leq$  `ogit/ServiceManagement/ChangeRequest`
- `ogit/relates`  $\leq$  `ogit/ServiceManagement/Report`
- `ogit/relates`  $\leq$  `ogit/ConfigurationItem`
- `ogit/relates`  $\leq$  `ogit/Event`
- `ogit/reportedOn`  $\leq$  `ogit/ServiceManagement/ChangeRequest`
- `ogit/reportedOn`  $\leq$  `ogit/ServiceManagement/Incident`
- `ogit/reportedOn`  $\leq$  `ogit/ServiceManagement/Order`
- `ogit/reportedOn`  $\leq$  `ogit/ServiceManagement/Problem`
- `ogit/reportedOn`  $\leq$  `ogit/ServiceManagement/Ticket`

## outgoing edges

- `ogit/dependsOn`  $\Rightarrow$  `ogit/MARS/Resource`
- `ogit/generates`  $\Rightarrow$  `ogit/Data/Log`
- `ogit/generates`  $\Rightarrow$  `ogit/Timeseries`
- `ogit/relates`  $\Rightarrow$  `ogit/License`

2.1.0.9 `ogit/SalesDistribution/SalesOrder`

A sales order placed by a customer.

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



**attributes**

- optional:
  - [ogit/SalesDistribution/amount](#)
  - [ogit/SalesDistribution/orderDate](#)
  - [ogit/SalesDistribution/salesOrderId](#)
  - [ogit/currency](#)
  - [ogit/description](#)
  - [ogit/name](#)
  - [ogit/status](#)

**outgoing edges**

- [ogit/belongs => ogit/MARS/Application](#)

**2.1.0.10 ogit/ServiceManagement/Ticket**

This entity defines any type of tickets. For specific behaviour of tickets, please check specific entities (e.g. [ogit/ServiceManagement/Incident](#)).

- id: <http://www.purl.org/ogit/ServiceManagement/Ticket>
- 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/reportedSource](#)
  - [ogit/ServiceManagement/sourceStatus](#)
  - [ogit/ServiceManagement/ticketId](#)
  - [ogit/closedAt](#)
  - [ogit/createdAt](#)
  - [ogit/description](#)
  - [ogit/impact](#)
  - [ogit/lastUpdatedAt](#)
  - [ogit/openedAt](#)
  - [ogit/priority](#)
  - [ogit/project](#)
  - [ogit/summary](#)
  - [ogit/urgency](#)

**outgoing edges**

- [ogit/affects](#) => [ogit/MARS/Application](#)
- [ogit/affects](#) => [ogit/MARS/Resource](#)
- [ogit/affects](#) => [ogit/MARS/Software](#)
- [ogit/affects](#) => [ogit/MARS/Machine](#)
- [ogit/reportedOn](#) => [ogit/MARS/Machine](#)
- [ogit/reportedOn](#) => [ogit/MARS/Software](#)
- [ogit/reportedOn](#) => [ogit/MARS/Resource](#)
- [ogit/reportedOn](#) => [ogit/MARS/Application](#)

**2.1.0.11 ogit/Attachment**

This entity defines a file attachment that an IT service, issue, task or a ticket might have. The attachment itself is not saved in GraphIT, instead it contains an external url link for it.

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

**attributes**

- optional:
  - [ogit/accessControl](#)
  - [ogit/content](#)
  - [ogit/createdAt](#)
  - [ogit/creator](#)
  - [ogit/id](#)
  - [ogit/lastUpdatedAt](#)
  - [ogit/lastUpdatedBy](#)
  - [ogit/name](#)
  - [ogit/size](#)
  - [ogit/sourceTable](#)
  - [ogit/type](#)
  - [ogit/url](#)

**outgoing edges**

- [ogit/belongs](#) => [ogit/MARS/Machine](#)
- [ogit/belongs](#) => [ogit/MARS/Software](#)
- [ogit/belongs](#) => [ogit/MARS/Resource](#)
- [ogit/belongs](#) => [ogit/MARS/Application](#)

## 2.1.0.12 ogit/ServiceManagement/Problem

This entity type defines a problem ticket.

- id: <http://www.purl.org/ogit/ServiceManagement/Problem>
- 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/problemStatus](#)
  - [ogit/ServiceManagement/resolutionCode](#)
  - [ogit/ServiceManagement/rootCause](#)
  - [ogit/ServiceManagement/solution](#)
  - [ogit/ServiceManagement/workAround](#)
  - [ogit/reportedAt](#)

## outgoing edges

- [ogit/affects](#) => [ogit/MARS/Application](#)
- [ogit/affects](#) => [ogit/MARS/Resource](#)
- [ogit/affects](#) => [ogit/MARS/Software](#)
- [ogit/affects](#) => [ogit/MARS/Machine](#)
- [ogit/reportedOn](#) => [ogit/MARS/Machine](#)
- [ogit/reportedOn](#) => [ogit/MARS/Software](#)
- [ogit/reportedOn](#) => [ogit/MARS/Resource](#)
- [ogit/reportedOn](#) => [ogit/MARS/Application](#)

## 2.1.0.13 ogit/ConfigurationItem

A configuration item.

- id: <http://www.purl.org/ogit/ConfigurationItem>
- valid-from: Thu Jun 11 00:00:00 UTC 2015
- creator: Aymen Ayoub
- scope: SGO
- parent: ogit/Node

## attributes

- mandatory:
  - [ogit/id](#)
- optional:
  - [ogit/Automation/governingContract](#)
  - [ogit/asset](#)
  - [ogit/assetTag](#)
  - [ogit/assignedAt](#)
  - [ogit/availability](#)
  - [ogit/businessCriticality](#)
  - [ogit/category](#)
  - [ogit/checkedInAt](#)
  - [ogit/checkedOutAt](#)
  - [ogit/ciType](#)
  - [ogit/class](#)
  - [ogit/comment](#)
  - [ogit/confidentiality](#)
  - [ogit/contact](#)
  - [ogit/content](#)
  - [ogit/createdAt](#)
  - [ogit/deliveredAt](#)
  - [ogit/description](#)
  - [ogit/endOfWarranty](#)
  - [ogit/externalId](#)
  - [ogit/faultCount](#)
  - [ogit/impact](#)
  - [ogit/installStatus](#)
  - [ogit/installedAt](#)
  - [ogit/integrity](#)
  - [ogit/inventoryNumber](#)
  - [ogit/invoiceNumber](#)
  - [ogit/isCritical](#)
  - [ogit/isSupported](#)
  - [ogit/lastScannedAt](#)
  - [ogit/lastUpdatedAt](#)
  - [ogit/leaseContract](#)
  - [ogit/model](#)
  - [ogit/modelNumber](#)
  - [ogit/name](#)
  - [ogit/operationalStatus](#)
  - [ogit/orderedAt](#)
  - [ogit/pendingChange](#)
  - [ogit/priority](#)

- [ogit/productOrderNumber](#)
- [ogit/purchasedAt](#)
- [ogit/securityClass](#)
- [ogit/serviceContract](#)
- [ogit/shortDescription](#)
- [ogit/soxClass](#)
- [ogit/startedAt](#)
- [ogit/status](#)
- [ogit/subCategory](#)
- [ogit/subType](#)
- [ogit/type](#)
- [ogit/updateCount](#)
- [ogit/vendor](#)
- [ogit/version](#)

#### outgoing edges

- [ogit/corresponds => ogit/MARS/Application](#)
- [ogit/corresponds => ogit/MARS/Resource](#)
- [ogit/corresponds => ogit/MARS/Software](#)
- [ogit/corresponds => ogit/MARS/Machine](#)
- [ogit/relates => ogit/MARS/Machine](#)
- [ogit/relates => ogit/MARS/Software](#)
- [ogit/relates => ogit/MARS/Resource](#)
- [ogit/relates => ogit/MARS/Application](#)

#### 2.1.0.14 ogit/Data/Log

This entity defines a log. It used to store a sequence of log records

- id: <http://www.purl.org/ogit/Data/Log>
- valid-from: Wed Jun 14 00:00:00 UTC 2017
- creator: [stravlos@arago.de](mailto:stravlos@arago.de)
- scope: NTO
- parent: ogit/Node

#### attributes

- optional:
  - [ogit/Data/timeToLive](#)
  - [ogit/description](#)
  - [ogit/name](#)

## incoming edges

- [ogit/generates](#) <= [ogit/MARS/Application](#)
- [ogit/generates](#) <= [ogit/MARS/Machine](#)
- [ogit/generates](#) <= [ogit/MARS/Resource](#)
- [ogit/generates](#) <= [ogit/MARS/Software](#)

2.1.0.15 [ogit/Network/NetworkInterface](#)

Logical or physical network interface.

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

## attributes

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

## incoming edges

- [ogit/contains](#) <= [ogit/MARS/Machine](#)

2.1.0.16 [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/relates](#) => [ogit/MARS/Machine](#)
- [ogit/relates](#) => [ogit/MARS/Software](#)
- [ogit/relates](#) => [ogit/MARS/Resource](#)
- [ogit/relates](#) => [ogit/MARS/Application](#)

## 2.1.0.17 ogit/MARS/Machine

Vertices of this type are the 'M'-nodes in the MARS model. 'M' stands for 'Machine' and those nodes form the bottom layer in the A-R-S-M layer model. But to be precise a 'Machine' node models any operation system instance (regardless whether running on bare metal or in some virtualized environment)

- id: <http://www.purl.org/ogit/MARS/Machine>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: FCO
- scope: NTO
- parent: ogit/Node

## attributes

- mandatory:
  - [ogit/MARS/Machine/class](#)
  - [ogit/name](#)
- optional:
  - [ogit/Automation/automationState](#)
  - [ogit/Automation/lifecycle](#)
  - [ogit/Automation/marsNodeType](#)
  - [ogit/Automation/serviceStatus](#)
  - [ogit/MARS/Machine/cpuArch](#)
  - [ogit/MARS/Machine/distroName](#)
  - [ogit/MARS/Machine/kernel](#)
  - [ogit/MARS/Machine/ram](#)
  - [ogit/MARS/Network/defaultGateway](#)
  - [ogit/MARS/Network/fqdn](#)
  - [ogit/MARS/Network/interfaceIP](#)
  - [ogit/MARS/Network/interfaceMAC](#)
  - [ogit/MARS/Network/interfaceName](#)
  - [ogit/MARS/Network/interfacePrefixLength](#)
  - [ogit/MARS/Network/ipVersion](#)
  - [ogit/Version/major](#)
  - [ogit/Version/minor](#)
  - [ogit/Version/patch](#)
  - [ogit/endOfWarranty](#)
  - [ogit/serialNumber](#)
  - [ogit/vendor](#)

## incoming edges

- `ogit/OSLC-crtv/runsOn`  $\leq$  `ogit/OSLC-crtv/ServiceInstance`
- `ogit/affects`  $\leq$  `ogit/ServiceManagement/ChangeRequest`
- `ogit/affects`  $\leq$  `ogit/ServiceManagement/Incident`
- `ogit/affects`  $\leq$  `ogit/ServiceManagement/Problem`
- `ogit/affects`  $\leq$  `ogit/ServiceManagement/Ticket`
- `ogit/affects`  $\leq$  `ogit/Event`
- `ogit/belongs`  $\leq$  `ogit/Attachment`
- `ogit/corresponds`  $\leq$  `ogit/ConfigurationItem`
- `ogit/dependsOn`  $\leq$  `ogit/MARS/Software`
- `ogit/describes`  $\leq$  `ogit/Asset`
- `ogit/relates`  $\leq$  `ogit/ServiceManagement/ChangeRequest`
- `ogit/relates`  $\leq$  `ogit/ServiceManagement/Report`
- `ogit/relates`  $\leq$  `ogit/ConfigurationItem`
- `ogit/relates`  $\leq$  `ogit/Event`
- `ogit/reportedOn`  $\leq$  `ogit/ServiceManagement/ChangeRequest`
- `ogit/reportedOn`  $\leq$  `ogit/ServiceManagement/Incident`
- `ogit/reportedOn`  $\leq$  `ogit/ServiceManagement/Order`
- `ogit/reportedOn`  $\leq$  `ogit/ServiceManagement/Problem`
- `ogit/reportedOn`  $\leq$  `ogit/ServiceManagement/Ticket`

## outgoing edges

- `ogit/contains`  $\Rightarrow$  `ogit/Network/NetworkInterface`
- `ogit/generates`  $\Rightarrow$  `ogit/Data/Log`
- `ogit/generates`  $\Rightarrow$  `ogit/Timeseries`
- `ogit/runsOn`  $\Rightarrow$  `ogit/Datacenter/Virtual/Cluster`
- `ogit/runsOn`  $\Rightarrow$  `ogit/Datacenter/Virtual/ResourcePool`

## 2.1.0.18 ogit/Environment

An environment describes the overall structure a user, computer or program operates in.

- id: <http://www.purl.org/ogit/Environment>
- valid-from: Thu Feb 08 00:00:00 UTC 2018
- creator: Viktor Voss
- scope: SGO
- parent: ogit/Node



**attributes**

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

**outgoing edges**

- [ogit/consistsOf](#) => [ogit/MARS/Application](#)

**2.1.0.19 ogit/MARS/Resource**

Vertices of this type are the 'R'-nodes in the MARS model. 'R' stands for 'Resource' and those nodes form the second highest layer in the A-R-S-M layer model. A 'Resource' node groups 'Software' nodes. It's up to the user whether this grouping is used to group software instance of the same software (e.g. all instances of an Oracle RAC) or software instance of different softwares (functional grouping, e.g. 'persistence')

- id: <http://www.purl.org/ogit/MARS/Resource>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: FCO
- scope: NTO
- parent: ogit/Node

**attributes**

- mandatory:
  - [ogit/MARS/Resource/class](#)
  - [ogit/name](#)
- optional:
  - [ogit/Automation/automationState](#)
  - [ogit/Automation/lifecycle](#)
  - [ogit/Automation/marsNodeType](#)
  - [ogit/Automation/serviceStatus](#)
  - [ogit/url](#)

## incoming edges

- [ogit/affects](#) <= [ogit/ServiceManagement/ChangeRequest](#)
- [ogit/affects](#) <= [ogit/ServiceManagement/Incident](#)
- [ogit/affects](#) <= [ogit/ServiceManagement/Problem](#)
- [ogit/affects](#) <= [ogit/ServiceManagement/Ticket](#)
- [ogit/affects](#) <= [ogit/Event](#)
- [ogit/belongs](#) <= [ogit/Attachment](#)
- [ogit/corresponds](#) <= [ogit/ConfigurationItem](#)
- [ogit/dependsOn](#) <= [ogit/MARS/Application](#)
- [ogit/relates](#) <= [ogit/ServiceManagement/ChangeRequest](#)
- [ogit/relates](#) <= [ogit/ServiceManagement/Report](#)
- [ogit/relates](#) <= [ogit/ConfigurationItem](#)
- [ogit/relates](#) <= [ogit/Event](#)
- [ogit/reportedOn](#) <= [ogit/ServiceManagement/ChangeRequest](#)
- [ogit/reportedOn](#) <= [ogit/ServiceManagement/Incident](#)
- [ogit/reportedOn](#) <= [ogit/ServiceManagement/Order](#)
- [ogit/reportedOn](#) <= [ogit/ServiceManagement/Problem](#)
- [ogit/reportedOn](#) <= [ogit/ServiceManagement/Ticket](#)

## outgoing edges

- [ogit/dependsOn](#) => [ogit/MARS/Software](#)
- [ogit/generates](#) => [ogit/Data/Log](#)
- [ogit/generates](#) => [ogit/Timeseries](#)
- [ogit/uses](#) => [ogit/Automation/Configuration](#)

## 2.1.0.20 ogit/Asset

Assets represent a physical hold of a value and are situated in a location. Assets could correspond to one or more [ogit/Automation/MARSNode](#)'s and can be physical or virtual. Assets of a Service Provider include anything that could contribute to the delivery of a Service. Assets can have a type, for example: Management, Organisation, Process, Knowledge, People, Information, Applications, Infrastructure, Financial Capital.

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

**attributes**

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

**outgoing edges**

- [ogit/describes](#) => [ogit/MARS/Software](#)
- [ogit/describes](#) => [ogit/MARS/Machine](#)

**2.1.0.21 ogit/Event**

This entity defines any type of event records, e.g. ITSM/produced by event management systems, Business Process etc.

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

**attributes**

- mandatory:
  - [ogit/id](#)
  - [ogit/name](#)
- optional:
  - [ogit/ServiceManagement/reportedSource](#)
  - [ogit/acknowledgeState](#)
  - [ogit/category](#)
  - [ogit/certainty](#)
  - [ogit/description](#)
  - [ogit/expiresAt](#)
  - [ogit/firstOccurredAt](#)
  - [ogit/impact](#)
  - [ogit/instance](#)
  - [ogit/isRoot](#)
  - [ogit/lastClearedAt](#)
  - [ogit/lastOccurredAt](#)
  - [ogit/lastUpdatedAt](#)
  - [ogit/maintenanceState](#)
  - [ogit/occurenceCount](#)

- [ogit/openedAt](#)
- [ogit/priority](#)
- [ogit/resource](#)
- [ogit/severity](#)
- [ogit/sourceId](#)
- [ogit/status](#)
- [ogit/summary](#)
- [ogit/type](#)

#### outgoing edges

- [ogit/affects](#) => [ogit/MARS/Application](#)
- [ogit/affects](#) => [ogit/MARS/Resource](#)
- [ogit/affects](#) => [ogit/MARS/Software](#)
- [ogit/affects](#) => [ogit/MARS/Machine](#)
- [ogit/relates](#) => [ogit/MARS/Machine](#)
- [ogit/relates](#) => [ogit/MARS/Software](#)
- [ogit/relates](#) => [ogit/MARS/Resource](#)
- [ogit/relates](#) => [ogit/MARS/Application](#)

#### 2.1.0.22 [ogit/Automation/Configuration](#)

Configuration node to dynamically connect Knowledge Pools or Rankings to a HIRO installation.

- id: <http://www.purl.org/ogit/Automation/Configuration>
- valid-from: Wed Apr 25 00:00:00 UTC 2018
- creator: [cy@arago.de](mailto:cy@arago.de)
- scope: NTO
- parent: [ogit/Node](#)

#### incoming edges

- [ogit/uses](#) <= [ogit/MARS/Resource](#)

#### 2.1.0.23 [ogit/SalesDistribution/Customer](#)

A customer in the sales and distribution process.

- id: <http://www.purl.org/ogit/SalesDistribution/Customer>
- valid-from: Wed Jul 10 00:00:00 UTC 2019
- creator: Marek Meyer
- scope: NTO
- parent: [ogit/Node](#)

## attributes

- mandatory:
  - [ogit/name](#)
- optional:
  - [ogit/SalesDistribution/customerId](#)
  - [ogit/description](#)

## outgoing edges

- [ogit/belongs](#) => [ogit/MARS/Application](#)

2.1.0.24 [ogit/License](#)

This entity type allows to store license information or actual licenses.

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

## attributes

- optional:
  - [ogit/createdAt](#)
  - [ogit/creator](#)
  - [ogit/deadline](#)
  - [ogit/expirationDate](#)
  - [ogit/id](#)
  - [ogit/licenseKey](#)
  - [ogit/licenseType](#)
  - [ogit/subject](#)
  - [ogit/validFrom](#)
  - [ogit/validTo](#)

## incoming edges

- [ogit/relates](#) <= [ogit/MARS/Application](#)

## 2.1.0.25 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/MARS/Application](#)
- [ogit/generates](#) <= [ogit/MARS/Machine](#)
- [ogit/generates](#) <= [ogit/MARS/Resource](#)
- [ogit/generates](#) <= [ogit/MARS/Software](#)

## 2.2 Verbs

### 2.2.0.1 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/MARS/Machine](#) => [ogit/Network/NetworkInterface](#)

### 2.2.0.2 ogit/runsOn

Shows if a certain component is running on another component.

- id: <http://www.purl.org/ogit/runsOn>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

#### Allowed Connection

- [ogit/MARS/Machine](#) => [ogit/Datacenter/Virtual/Cluster](#)
- [ogit/MARS/Machine](#) => [ogit/Datacenter/Virtual/ResourcePool](#)

### 2.2.0.3 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/MARS/Application](#) => [ogit/Data/Log](#)
- [ogit/MARS/Application](#) => [ogit/Timeseries](#)
- [ogit/MARS/Machine](#) => [ogit/Data/Log](#)
- [ogit/MARS/Machine](#) => [ogit/Timeseries](#)
- [ogit/MARS/Resource](#) => [ogit/Data/Log](#)
- [ogit/MARS/Resource](#) => [ogit/Timeseries](#)
- [ogit/MARS/Software](#) => [ogit/Data/Log](#)
- [ogit/MARS/Software](#) => [ogit/Timeseries](#)

#### 2.2.0.4 ogit/describes

This relationship allows to associate additional information with an entity. The "described" node can have many "describing" nodes.

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

##### Allowed Connection

- [ogit/Asset](#) => [ogit/MARS/Software](#)
- [ogit/Asset](#) => [ogit/MARS/Machine](#)

#### 2.2.0.5 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/ConfigurationItem](#) => [ogit/MARS/Application](#)
- [ogit/ConfigurationItem](#) => [ogit/MARS/Resource](#)
- [ogit/ConfigurationItem](#) => [ogit/MARS/Software](#)
- [ogit/ConfigurationItem](#) => [ogit/MARS/Machine](#)

#### 2.2.0.6 ogit/affects

The relationship indicates that one entity affects some other entity.

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



**Allowed Connection**

- [ogit/ServiceManagement/ChangeRequest => ogit/MARS/Application](#)
- [ogit/ServiceManagement/ChangeRequest => ogit/MARS/Resource](#)
- [ogit/ServiceManagement/ChangeRequest => ogit/MARS/Software](#)
- [ogit/ServiceManagement/ChangeRequest => ogit/MARS/Machine](#)
- [ogit/ServiceManagement/Incident => ogit/MARS/Application](#)
- [ogit/ServiceManagement/Incident => ogit/MARS/Resource](#)
- [ogit/ServiceManagement/Incident => ogit/MARS/Software](#)
- [ogit/ServiceManagement/Incident => ogit/MARS/Machine](#)
- [ogit/ServiceManagement/Problem => ogit/MARS/Application](#)
- [ogit/ServiceManagement/Problem => ogit/MARS/Resource](#)
- [ogit/ServiceManagement/Problem => ogit/MARS/Software](#)
- [ogit/ServiceManagement/Problem => ogit/MARS/Machine](#)
- [ogit/ServiceManagement/Ticket => ogit/MARS/Application](#)
- [ogit/ServiceManagement/Ticket => ogit/MARS/Resource](#)
- [ogit/ServiceManagement/Ticket => ogit/MARS/Software](#)
- [ogit/ServiceManagement/Ticket => ogit/MARS/Machine](#)
- [ogit/Event => ogit/MARS/Application](#)
- [ogit/Event => ogit/MARS/Resource](#)
- [ogit/Event => ogit/MARS/Software](#)
- [ogit/Event => ogit/MARS/Machine](#)

**2.2.0.7 ogit/OSLC-crtv/runsOn**

The ComputerSystem this SoftwareServer instance is running on.

- id: <http://www.purl.org/ogit/OSLC-crtv/runsOn>
- valid-from: Thu Sep 22 00:00:00 UTC 2016
- creator: OGIT Importer
- cardinality: many2many

**Allowed Connection**

- [ogit/OSLC-crtv/ServiceInstance => ogit/MARS/Machine](#)

### 2.2.0.8 ogit/dependsOn

This relationship indicates that some entity is depending on some other. E.g. machine hosts software.

- id: <http://www.purl.org/ogit/dependsOn>
- valid-from: Thu Oct 15 00:00:00 UTC 2015
- creator: Aymen Ayoub

#### Allowed Connection

- [ogit/MARS/Application](#) => [ogit/MARS/Resource](#)
- [ogit/MARS/Resource](#) => [ogit/MARS/Software](#)
- [ogit/MARS/Software](#) => [ogit/MARS/Machine](#)

### 2.2.0.9 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/SalesDistribution/Customer](#) => [ogit/MARS/Application](#)
- [ogit/SalesDistribution/SalesOrder](#) => [ogit/MARS/Application](#)
- [ogit/Attachment](#) => [ogit/MARS/Machine](#)
- [ogit/Attachment](#) => [ogit/MARS/Software](#)
- [ogit/Attachment](#) => [ogit/MARS/Resource](#)
- [ogit/Attachment](#) => [ogit/MARS/Application](#)

### 2.2.0.10 ogit/uses

This relationship indicates that some entity is used by some other.

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

**Allowed Connection**

- [ogit/MARS/Resource](#) => [ogit/Automation/Configuration](#)

**2.2.0.11 ogit/reportedOn**

Indicates where a failure situation was initially observed. In case an incident record is created from an event management system this relationship points to the entity that represents the monitored device/endpoint. We call it "reportedOn" instead of "observedOn" to account for the close relation to "reportedAt", "reportedBy"

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

**Allowed Connection**

- [ogit/ServiceManagement/ChangeRequest](#) => [ogit/MARS/Machine](#)
- [ogit/ServiceManagement/ChangeRequest](#) => [ogit/MARS/Software](#)
- [ogit/ServiceManagement/ChangeRequest](#) => [ogit/MARS/Resource](#)
- [ogit/ServiceManagement/ChangeRequest](#) => [ogit/MARS/Application](#)
- [ogit/ServiceManagement/Incident](#) => [ogit/MARS/Machine](#)
- [ogit/ServiceManagement/Incident](#) => [ogit/MARS/Software](#)
- [ogit/ServiceManagement/Incident](#) => [ogit/MARS/Resource](#)
- [ogit/ServiceManagement/Incident](#) => [ogit/MARS/Application](#)
- [ogit/ServiceManagement/Order](#) => [ogit/MARS/Machine](#)
- [ogit/ServiceManagement/Order](#) => [ogit/MARS/Software](#)
- [ogit/ServiceManagement/Order](#) => [ogit/MARS/Resource](#)
- [ogit/ServiceManagement/Order](#) => [ogit/MARS/Application](#)
- [ogit/ServiceManagement/Problem](#) => [ogit/MARS/Machine](#)
- [ogit/ServiceManagement/Problem](#) => [ogit/MARS/Software](#)
- [ogit/ServiceManagement/Problem](#) => [ogit/MARS/Resource](#)
- [ogit/ServiceManagement/Problem](#) => [ogit/MARS/Application](#)
- [ogit/ServiceManagement/Ticket](#) => [ogit/MARS/Machine](#)
- [ogit/ServiceManagement/Ticket](#) => [ogit/MARS/Software](#)
- [ogit/ServiceManagement/Ticket](#) => [ogit/MARS/Resource](#)
- [ogit/ServiceManagement/Ticket](#) => [ogit/MARS/Application](#)

## 2.2.0.12 ogit/consistsOf

It shows, that the destination entity is a non-exclusive part of the source.

- id: <http://www.purl.org/ogit/consistsOf>
- valid-from: Tue Feb 13 00:00:00 UTC 2018
- creator: Aymen Ayoub

## Allowed Connection

- [ogit/Environment](#) => [ogit/MARS/Application](#)

## 2.2.0.13 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/MARS/Application](#) => [ogit/License](#)
- [ogit/ServiceManagement/ChangeRequest](#) => [ogit/MARS/Machine](#)
- [ogit/ServiceManagement/ChangeRequest](#) => [ogit/MARS/Software](#)
- [ogit/ServiceManagement/ChangeRequest](#) => [ogit/MARS/Resource](#)
- [ogit/ServiceManagement/ChangeRequest](#) => [ogit/MARS/Application](#)
- [ogit/ServiceManagement/Report](#) => [ogit/MARS/Machine](#)
- [ogit/ServiceManagement/Report](#) => [ogit/MARS/Software](#)
- [ogit/ServiceManagement/Report](#) => [ogit/MARS/Resource](#)
- [ogit/ServiceManagement/Report](#) => [ogit/MARS/Application](#)
- [ogit/ConfigurationItem](#) => [ogit/MARS/Machine](#)
- [ogit/ConfigurationItem](#) => [ogit/MARS/Software](#)
- [ogit/ConfigurationItem](#) => [ogit/MARS/Resource](#)
- [ogit/ConfigurationItem](#) => [ogit/MARS/Application](#)
- [ogit/Event](#) => [ogit/MARS/Machine](#)
- [ogit/Event](#) => [ogit/MARS/Software](#)
- [ogit/Event](#) => [ogit/MARS/Resource](#)
- [ogit/Event](#) => [ogit/MARS/Application](#)

## 2.3 Attributes

### 2.3.0.1 ogit/MARS/Network/fqdn

A FQDN according to RFC 1035. Replaces 'FQDN' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Network/fqdn>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Machine](#)

### 2.3.0.2 ogit/ciType

Type of a configuration item. For example: VM, Server or Device.

- id: <http://www.purl.org/ogit/ciType>
- valid-from: Thu Aug 20 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

### 2.3.0.3 ogit/MARS/Software/installPath

Defines where a software is installed. Replaces 'SWInstallPath' and 'BasePath' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Software/installPath>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Software](#)
  - [ogit/MARS/Software](#)

#### 2.3.0.4 ogit/reviewedAt

Defines the time when something was actually reviewed. The values can combin date and time with time zone designator according to ISO 8601. Reviewed time is used in incident management.

- id: <http://www.purl.org/ogit/reviewedAt>
- valid-from: Wed Jul 01 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

#### 2.3.0.5 ogit/MARS/Network/interfaceMAC

Alloes to specifies the MAC address of all defined interfaces. It's a key'ed list with the key to be defined in attribute ogit/MARS/Network/interfaceName of the same Machine node. Replaces 'NetworkInterfaceMAC' from MARS-↔ Schema

- id: <http://www.purl.org/ogit/MARS/Network/interfaceMAC>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Machine](#)

#### 2.3.0.6 ogit/ServiceManagement/testPlan

Contains a test plan used in change management to define how a successful change implementation can be verified.

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

used

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

#### 2.3.0.7 ogit/Data/timeToLive

Defines how many seconds data will be kept before expire.

- id: <http://www.purl.org/ogit/Data/timeToLive>
- valid-from: Fri Feb 09 00:00:00 UTC 2018
- creator: [mglusiuk@arago.de](mailto:mglusiuk@arago.de)

used

- optional:
  - [ogit/Data/Log](#)

#### 2.3.0.8 ogit/certainty

Defines the certainty of an event

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

used

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

#### 2.3.0.9 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/SalesDistribution/SalesOrder](#)

#### 2.3.0.10 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/ConfigurationItem](#)
  - [ogit/Event](#)
  - [ogit/ServiceManagement/ChangeRequest](#)
  - [ogit/ServiceManagement/Incident](#)

#### 2.3.0.11 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/ConfigurationItem](#)

#### 2.3.0.12 ogit/assignedAt

Defines the time when something was actually assigned to a person/organization for example. The values can combine date and time with time zone designator according to ISO 8601.

- id: <http://www.purl.org/ogit/assignedAt>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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



#### 2.3.0.13 ogit/endOfWarranty

End of warranty phase of a component

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

used

- optional:
  - [ogit/ConfigurationItem](#)
  - [ogit/MARS/Machine](#)
  - [ogit/MARS/Software](#)

#### 2.3.0.14 ogit/productOrderNumber


An integer, which displays the order number of a product.

- id: <http://www.purl.org/ogit/productOrderNumber>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

#### 2.3.0.15 ogit/MARS/Network/bindAddress

Usually an IP address. Defines the listening address for a software (server). Replaces 'NetworkIP' from MARS- Schema

- id: <http://www.purl.org/ogit/MARS/Network/bindAddress>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Software](#)

#### 2.3.0.16 `ogit/MARS/Machine/class`

Defines the 'class' of a Machine MARS node. This is basically the Operation System name. Replaces 'Machine↔ Class' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Machine/class>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- mandatory:
  - [ogit/MARS/Machine](#)

#### 2.3.0.17 `ogit/MARS/Machine/cpuArch`

CPU architecture. On UNIX like systems it will be the output of 'uname -m'. Replaces 'MachineArchitecture' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Machine/cpuArch>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Machine](#)

#### 2.3.0.18 `ogit/checkedOutAt`

Defines the time when something was actually checked out. The values can combine date and time with time zone designator according to ISO 8601.

- id: <http://www.purl.org/ogit/checkedOutAt>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

#### 2.3.0.19 ogit/MARS/Software/logPath

Defines where a software writes its logfiles. Replaces 'LogPath' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Software/logPath>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Software](#)

#### 2.3.0.20 ogit/ServiceManagement/resolvedAt

Datetime indicating when a ticket was resolved. Can be used for incident or problem tickets when it is necessary to distinguish between the ticket resolving and ticket closure (closedAt). The values must be combined date and time with time zone designator according to ISO 8601

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

used

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

#### 2.3.0.21 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](#)
  - [ogit/ServiceManagement/Ticket](#)

#### 2.3.0.22 ogit/deliveredAt

Defines a point in time when a component/device was actually delivered. The values must be combined date and time with time zone designator according to ISO 8601

- id: <http://www.purl.org/ogit/deliveredAt>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

#### 2.3.0.23 ogit/isCritical

This field specifies if the CI is critical for day-to-day operation, such as an E-mail server or RDBMS server. If you open an incident on a critical CI, the incident indicates that this is a critical CI. This field contains a boolean value.

- id: <http://www.purl.org/ogit/isCritical>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

#### 2.3.0.24 ogit/asset

This field represents an asset (device or component).

- id: <http://www.purl.org/ogit/asset>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

#### 2.3.0.25 ogit/ServiceManagement/customer

The customer related to a Service Management process.

- id: <http://www.purl.org/ogit/ServiceManagement/customer>
- valid-from: Fri Jul 03 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

- optional:
  - [ogit/ServiceManagement/ChangeRequest](#)
  - [ogit/ServiceManagement/Incident](#)

#### 2.3.0.26 ogit/Version/major

major version according to <https://semver.org/>

- id: <http://www.purl.org/ogit/Version/major>
- valid-from: Fri May 25 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Machine](#)
  - [ogit/MARS/Software](#)

#### 2.3.0.27 ogit/integrity

A security principle that ensures data and Configuration Items are only modified by authorized personnel and Activities

- id: <http://www.purl.org/ogit/integrity>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.28** `ogit/ServiceManagement/scheduledStartAt`

Defines a point in time when the work on a change is planned/scheduled to start. This date time is usually defined during change planning and/or approval. This datetime is set by change coordinator (e.g it is planned to be done at 7:30PM) The values must be combined date and time with time zone designator according to ISO 8601.

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

used

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

**2.3.0.29** `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](#)
  - [ogit/ServiceManagement/Ticket](#)

**2.3.0.30** `ogit/maintenanceState`

Defines the state of maintenance.

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

used

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

**2.3.0.31** `ogit/SalesDistribution/orderDate`

Date of a sales order.

- id: <http://www.purl.org/ogit/SalesDistribution/orderDate>
- valid-from: Fri Aug 02 00:00:00 UTC 2019
- creator: Marek Meyer

used

- optional:
  - [ogit/SalesDistribution/SalesOrder](#)

**2.3.0.32** `ogit/SalesDistribution/amount`

The amount of an item, set of items, or payment.

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

used

- optional:
  - [ogit/SalesDistribution/SalesOrder](#)

**2.3.0.33** `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](#)
  - [ogit/ServiceManagement/Ticket](#)

#### 2.3.0.34 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/Event](#)

#### 2.3.0.35 ogit/url

Contains an URL (unified resource locator)

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

used

- optional:
  - [ogit/Attachment](#)
  - [ogit/MARS/Resource](#)
  - [ogit/MARS/Software](#)

#### 2.3.0.36 ogit/licenseKey

A string containing a license key.

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

used

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



#### 2.3.0.37 ogit/purchasedAt

Defines a point in time when a component/device was actually purchased. The values must be combined date and time with time zone designator according to ISO 8601

- id: <http://www.purl.org/ogit/purchasedAt>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

#### 2.3.0.38 ogit/severity

Stores a severity. E.g. Some event management systems might store a severity field.

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

used

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

#### 2.3.0.39 ogit/effort

Defines how much time was spent on the actual work for a change, task, or similar entity. The values is expected to be in format HH:MM, e.g. 1:00 for 1 hour effort.

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

used

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

#### 2.3.0.40 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/ConfigurationItem](#)
  - [ogit/ServiceManagement/ChangeRequest](#)

#### 2.3.0.41 ogit/assetTag

This field specifies the asset tag number/code.

- id: <http://www.purl.org/ogit/assetTag>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

#### 2.3.0.42 ogit/licenseType

Type of the License e.g. community/enterprise.

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

used

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

#### 2.3.0.43 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/Timeseries](#)

#### 2.3.0.44 ogit/installedAt

Defines a point in time when a component/device was actually installed. The values must be combined date and time with time zone designator according to ISO 8601

- id: <http://www.purl.org/ogit/installedAt>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

#### 2.3.0.45 ogit/updateCount

Contains the count of the records updated.

- id: <http://www.purl.org/ogit/updateCount>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

#### 2.3.0.46 ogit/installStatus

An installation 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/installStatus>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

#### 2.3.0.47 ogit/Automation/automationState

A value of 'Manual' will mark a node as not eligible for Issue processing

- id: <http://www.purl.org/ogit/Automation/automationState>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Application](#)
  - [ogit/MARS/Machine](#)
  - [ogit/MARS/Resource](#)
  - [ogit/MARS/Software](#)

#### 2.3.0.48 ogit/ServiceManagement/incidentStatus

Defines the status of an incident record/ticket.

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

used

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

#### 2.3.0.49 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/ConfigurationItem](#)
  - [ogit/Event](#)
  - [ogit/SalesDistribution/SalesOrder](#)

#### 2.3.0.50 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/Attachment](#)
  - [ogit/ConfigurationItem](#)
  - [ogit/License](#)
  - [ogit/ServiceManagement/Order](#)
  - [ogit/ServiceManagement/Ticket](#)

#### 2.3.0.51 ogit/ServiceManagement/workAround

Defines a work around for a known problem until a permanent solution is defined.

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

used

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

#### 2.3.0.52 `ogit/ServiceManagement/rootCause`

Root cause for example of a problem ticket.

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

used

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

#### 2.3.0.53 `ogit/model`

Model of a device.

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

used

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

#### 2.3.0.54 `ogit/Automation/lifecycle`

Contains the lifecycle state of a MARSNode. If value is 'decommissioned' this node is ignored by engine, graph and UI.

- id: <http://www.purl.org/ogit/Automation/lifecycle>
- valid-from: Thu May 11 00:00:00 UTC 2017
- creator: Philipp Kähltz

used

- optional:
  - [ogit/MARS/Application](#)
  - [ogit/MARS/Machine](#)
  - [ogit/MARS/Resource](#)
  - [ogit/MARS/Software](#)

**2.3.0.55** `ogit/ServiceManagement/problemStatus`

defines the status of a problem record

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

used

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

**2.3.0.56** `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/ConfigurationItem](#)
  - [ogit/Event](#)
  - [ogit/ServiceManagement/Order](#)
  - [ogit/ServiceManagement/Ticket](#)

**2.3.0.57** `ogit/shortDescription`

Contains a short description.

- id: <http://www.purl.org/ogit/shortDescription>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.58** `ogit/resource`

Defines the name of an resource on an instance e.g. disk or database.

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

used

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

**2.3.0.59** `ogit/ServiceManagement/targetFinishAt`

Defines a point in time when the work on a change should be finished. This date time is defined by the requester. The values must be combined date and time with time zone designator according to ISO 8601

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

used

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

**2.3.0.60** `ogit/MARS/Software/instanceId`

Allow to define some instance identifier for a Software node. Usually this is used to uniquely identify a cluster member. The value might be a composition of several attributes, e.g. `<data-center-id>:<rack-id>`. Replaces 'Instance' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Software/instanceId>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Software](#)



**2.3.0.61** `ogit/accessControl`

The access control level of this Node. Value could mean different things to different applications / policies. Initial intent is that policies would treat "public-read" (inspired by Amazon AWS S3 ACLs) to mean anyone would have read-only access to this node.

- id: <http://www.purl.org/ogit/accessControl>
- valid-from: Thu Mar 26 00:00:00 UTC 2015
- creator: Chris Walker

used

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

**2.3.0.62** `ogit/ServiceManagement/ticketId`

ID of the ticket in the source system, e.g. the ID of the ticket in BMC.

- id: <http://www.purl.org/ogit/ServiceManagement/ticketId>
- valid-from: Tue May 26 00:00:00 UTC 2015
- creator: Peter Larem

used

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

**2.3.0.63** `ogit/justification`

Justification for a ChangeRequest

- id: <http://www.purl.org/ogit/justification>
- valid-from: Wed Jul 01 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.64** `ogit/SalesDistribution/salesOrderId`

Identifier for a sales order.

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

used

- optional:
  - [ogit/SalesDistribution/SalesOrder](#)

**2.3.0.65** `ogit/invoiceNumber`

Contains an invoice number. This number is used as identifier for security purposes.

- id: <http://www.purl.org/ogit/invoiceNumber>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.66** `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](#)

**2.3.0.67 ogit/soxClass**

This attribute specifies, if an entity has a Sarbanes Oxley (SOX) classification that applies to it. The out-of-box data is: Critical or Non Critical

- id: <http://www.purl.org/ogit/soxClass>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.68 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](#)
  - [ogit/ServiceManagement/Ticket](#)

**2.3.0.69 ogit/ServiceManagement/resolutionCode**

Optional resolution code that may be provided during an incident or problem along with the solution description.

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

used

- optional:
  - [ogit/ServiceManagement/ChangeRequest](#)
  - [ogit/ServiceManagement/Incident](#)
  - [ogit/ServiceManagement/Problem](#)

#### 2.3.0.70 ogit/expiresAt

Defines the date something expires.

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

used

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

#### 2.3.0.71 ogit/businessCriticality

The business criticality of a process/service/CI.

- id: <http://www.purl.org/ogit/businessCriticality>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

#### 2.3.0.72 ogit/leaseContract

This field specifies the lease contract covering a service.

- id: <http://www.purl.org/ogit/leaseContract>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

#### 2.3.0.73 ogit/MARS/Application/subClass

Allows to further classify applications. This can be used to match KnowledgeItems specific to a certain business domain. Replaces 'ApplicationSubClass' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Application/subClass>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- mandatory:
  - [ogit/MARS/Application](#)

#### 2.3.0.74 ogit/securityClass

Contains the security class of an entity/device.

- id: <http://www.purl.org/ogit/securityClass>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

#### 2.3.0.75 ogit/serialNumber

A string representing a any kind of serial number. see <http://purl.org/goodrelations/v1#serialNumber>

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

used

- optional:
  - [ogit/MARS/Machine](#)
  - [ogit/MARS/Software](#)

**2.3.0.76** `ogit/MARS/Network/defaultGateway`

Defines the default gateway. In case of IPv4 dot-decimal notation shall be used. Replaces 'NetworkDefaultGW' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Network/defaultGateway>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Machine](#)

**2.3.0.77** `ogit/assignedGroup`

Assigned Group to a Service Management process.

- id: <http://www.purl.org/ogit/assignedGroup>
- valid-from: Wed Jul 01 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

- optional:
  - [ogit/ServiceManagement/ChangeRequest](#)
  - [ogit/ServiceManagement/Incident](#)

**2.3.0.78** `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/ConfigurationItem](#)
  - [ogit/ServiceManagement/Report](#)

#### 2.3.0.79 ogit/MARS/Machine/ram

The available system memory in a machine. It starts with a number following by an optional unit character ('M' or 'G'). If unit character is omitted then 'M' shall be assumed. This is . Replaces 'HWRAM' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Machine/ram>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Machine](#)

#### 2.3.0.80 ogit/MARS/Network/port

A number indicating a network port (0..65535). Usually used define the listening port for a software (server). Replaces 'NetworkPort' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Network/port>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Software](#)

#### 2.3.0.81 ogit/class

Class of a component/device.

- id: <http://www.purl.org/ogit/class>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

#### 2.3.0.82 ogit/Version/patch

patch version according to <https://semver.org/>

- id: <http://www.purl.org/ogit/Version/patch>
- valid-from: Fri May 25 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Machine](#)
  - [ogit/MARS/Software](#)

#### 2.3.0.83 ogit/content

A string holding any type of content: plain string, XML fragments, RDF documents, ...

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

used

- optional:
  - [ogit/Attachment](#)
  - [ogit/ConfigurationItem](#)

#### 2.3.0.84 ogit/confidentiality

Contains information about the confidentiality related to a device or an entity.

- id: <http://www.purl.org/ogit/confidentiality>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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



**2.3.0.85** `ogit/MARS/Machine/kernel`

Describes the running Operating System kernel. For Linux systems this is usually the output of 'uname -s -v -r'. Replaces 'OSKernel' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Machine/kernel>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Machine](#)

**2.3.0.86** `ogit/lastOccurredAt`

Defines the date of last occurrence of an event

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

used

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

**2.3.0.87** `ogit/SalesDistribution/customerId`

Customer identifier.

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

used

- optional:
  - [ogit/SalesDistribution/Customer](#)

**2.3.0.88** `ogit/MARS/Network/protocol`

Can be used to define the network protocol a service (software) is using. Typical values: 'tcp', 'udp'. Replaces 'NetworkProtocol' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Network/protocol>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Software](#)

**2.3.0.89** `ogit/ServiceManagement/scheduledFinishAt`

Defines a point in time when the work on a change is planned/scheduled to be finished. This date time is usually defined during change planning and/or approval. The values must be combined date and time with time zone designator according to ISO 8601

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

used

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

**2.3.0.90** `ogit/MARS/Network/ipVersion`

Allows to specify the IP version for defined interfaces. It's a key'ed list with the key to be defined in attribute `ogit/MARS/Network/interfaceName` of the same Machine node. It can be used to indicate what to expect in the corresponding entries of other network related attributes, e.g. `ogit/MARS/Network/interfaceIP`. Replaces 'Network↔InterfaceType' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Network/ipVersion>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Machine](#)

**2.3.0.91 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/Datacenter/Virtual/Cluster](#)
  - [ogit/Datacenter/Virtual/ResourcePool](#)
  - [ogit/Event](#)
  - [ogit/MARS/Application](#)
  - [ogit/MARS/Machine](#)
  - [ogit/MARS/Resource](#)
  - [ogit/MARS/Software](#)
  - [ogit/SalesDistribution/Customer](#)
- optional:
  - [ogit/Asset](#)
  - [ogit/Attachment](#)
  - [ogit/ConfigurationItem](#)
  - [ogit/Data/Log](#)
  - [ogit/Environment](#)
  - [ogit/SalesDistribution/SalesOrder](#)
  - [ogit/ServiceManagement/Report](#)
  - [ogit/Timeseries](#)

**2.3.0.92 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/ConfigurationItem](#)
  - [ogit/Data/Log](#)
  - [ogit/Event](#)
  - [ogit/SalesDistribution/Customer](#)
  - [ogit/SalesDistribution/SalesOrder](#)
  - [ogit/ServiceManagement/Order](#)
  - [ogit/ServiceManagement/Ticket](#)
  - [ogit/Timeseries](#)

**2.3.0.93** 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/ServiceManagement/ChangeRequest](#)

**2.3.0.94** ogit/externalId

The External Id of a component.

- id: <http://www.purl.org/ogit/externalId>
- valid-from: Thu May 21 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.95** 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/ConfigurationItem](#)
  - [ogit/Event](#)
  - [ogit/ServiceManagement/Order](#)
  - [ogit/ServiceManagement/Ticket](#)

**2.3.0.96** ogit/contact

This field displays the device/CI/component owner who is the person assigned to the device/CI/component and uses it on a day-to-day basis. Support contacts are secondary contacts who may have access to a CI for example.

- id: <http://www.purl.org/ogit/contact>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.97** ogit/MARS/Software/subClass

Give each type of Software a unique name, e.g 'OpenLDAP' or 'MSSharePointServer'. This should be the primary matching variable for software specific automation (using KnowledgeItems). Replaces 'SoftwareSubClass' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Software/subClass>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- mandatory:
  - [ogit/MARS/Software](#)

**2.3.0.98** ogit/Version/minor

minor version according to <https://semver.org/>

- id: <http://www.purl.org/ogit/Version/minor>
- valid-from: Fri May 25 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Machine](#)
  - [ogit/MARS/Software](#)

**2.3.0.99 ogit/orderedAt**

Defines a point in time when a component/device was actually ordered. The values must be combined date and time with time zone designator according to ISO 8601

- id: <http://www.purl.org/ogit/orderedAt>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.100 ogit/faultCount**

Contains fault count related to a component

- id: <http://www.purl.org/ogit/faultCount>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.101 ogit/risk**

Used to store the result of a risk analysis.

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

used

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

**2.3.0.102 ogit/lastUpdatedBy**

Defines the last person or process who updated an entity.

- id: <http://www.purl.org/ogit/lastUpdatedBy>
- valid-from: Mon Jul 20 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.103 ogit/ServiceManagement/fallbackPlan**

Defines instructions of how to revert in case a change fails.

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

used

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

**2.3.0.104 ogit/isRoot**

Defines if an event is root.

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

used

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

**2.3.0.105 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/Event](#)
  - [ogit/ServiceManagement/Order](#)
  - [ogit/ServiceManagement/Ticket](#)

**2.3.0.106 ogit/expirationDate**

Defines a point in time when something becomes invalid the format is described at <http://purl.org/goodrelations/v1#validThrough>

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

used

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

**2.3.0.107 ogit/acknowledgeState**

Defines the state of acknowledgement.

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

used

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



**2.3.0.108 ogit/deadline**

Defines a point in time when a deadline is reached.

- id: <http://www.purl.org/ogit/deadline>
- valid-from: Mon Dec 19 00:00:00 UTC 2016
- creator: [stravlos@arago.co](mailto:stravlos@arago.co)

used

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

**2.3.0.109 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/Attachment](#)
  - [ogit/ConfigurationItem](#)
  - [ogit/Event](#)

**2.3.0.110 ogit/subCategory**

Used to give a subcategory to things.

- id: <http://www.purl.org/ogit/subCategory>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.111** `ogit/MARS/Network/interfacePrefixLength`

Specifies the network prefix length (network mask) of all defined interfaces. It's a key'ed list with the key to be defined in attribute `ogit/MARS/Network/interfaceName` of the same Machine node. The values are always number, e.g. a value of '24' in the context of IPv4 is equivalent to 255.255.255.0 in dot-decimal notation. Replaces 'Network↔InterfacePrefixLength' and 'NetworkInterfaceNetmask' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Network/interfacePrefixLength>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Machine](#)

**2.3.0.112** `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/Timeseries](#)

**2.3.0.113** `ogit/sourceTable`

Contains the source table, that stores where the data are coming from.

- id: <http://www.purl.org/ogit/sourceTable>
- valid-from: Thu Aug 20 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.114 ogit/creator**

Creator of an entity.

- id: <http://www.purl.org/ogit/creator>
- valid-from: Thu Aug 20 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

- optional:
  - [ogit/Attachment](#)
  - [ogit/License](#)

**2.3.0.115 ogit/ServiceManagement/implementationPlan**

Used to define detail implementation instructions.

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

used

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

**2.3.0.116 ogit/availability**

Contains information about the availability of a service/device.

- id: <http://www.purl.org/ogit/availability>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.117 ogit/MARS/Network/interfaceIP**

Specifies the configured IP address of all defined interfaces. It's a key'ed list with the key to be defined in attribute ogit/MARS/Network/interfaceName of the same Machine node. In case of IPv4 addresses dot-decimal notation shall be used. Replaces 'NetworkInterfaceIP' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Network/interfaceIP>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Machine](#)

**2.3.0.118 ogit/lastScannedAt**

Defines a point in time when a component/device was actually scanned last time. The values must be combined date and time with time zone designator according to ISO 8601

- id: <http://www.purl.org/ogit/lastScannedAt>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.119 ogit/subType**

A subtype of an an entity.

- id: <http://www.purl.org/ogit/subType>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.120 ogit/MARS/Application/class**

Used to classify Application nodes. Replaces 'ResourceClass' from MARS-Schema. Replaces 'ApplicationClass' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Application/class>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- mandatory:
  - [ogit/MARS/Application](#)

**2.3.0.121 ogit/pendingChange**

This field indicates whether or not there are any changes pending against a component/device. When you close or open a change for this component/device, this action sets or clears the flag..

- id: <http://www.purl.org/ogit/pendingChange>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.122 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/ChangeRequest](#)
  - [ogit/ServiceManagement/Incident](#)
  - [ogit/ServiceManagement/Order](#)
  - [ogit/ServiceManagement/Ticket](#)

**2.3.0.123 ogit/inventoryNumber**

This field specifies the inventory component number for the a device as defined by the company-defined device inventory number in the model table. The system uses this number to provide data on the Manufacturer, Model, and Version fields if available.

- id: <http://www.purl.org/ogit/inventoryNumber>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.124 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/Attachment](#)
  - [ogit/ConfigurationItem](#)
  - [ogit/Event](#)
  - [ogit/ServiceManagement/Order](#)
  - [ogit/ServiceManagement/Ticket](#)

**2.3.0.125 ogit/modelNumber**

ModelNumber of a device.

- id: <http://www.purl.org/ogit/modelNumber>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.126** ogit/MARS/Machine/distroName

The distro name of an Operation System. For Linux you will encounter things like: 'CentOS', 'RedHat', ... . Replaces 'OSName' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Machine/distroName>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Machine](#)

**2.3.0.127** ogit/MARS/Network/interfaceName

This defines the network interface within a system. It's always a list containing all the defined interfaces, e.g. 'lo0 eth0 eth1'. Replaces 'NetworkInterface' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Network/interfaceName>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Machine](#)

**2.3.0.128** 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/ConfigurationItem](#)
  - [ogit/Event](#)
  - [ogit/ServiceManagement/ChangeRequest](#)
  - [ogit/ServiceManagement/Order](#)
  - [ogit/ServiceManagement/Problem](#)
  - [ogit/ServiceManagement/Ticket](#)
- optional:
  - [ogit/Asset](#)
  - [ogit/Attachment](#)
  - [ogit/License](#)
  - [ogit/Network/NetworkInterface](#)
  - [ogit/ServiceManagement/Incident](#)
  - [ogit/ServiceManagement/Report](#)

#### 2.3.0.129 [ogit/MARS/Software/class](#)

Used to classify Software nodes. Will contain values like: 'DBMS', 'WebServer', 'DataProcessing', and so on. Replaces 'SoftwareClass' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Software/class>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- mandatory:
  - [ogit/MARS/Software](#)

#### 2.3.0.130 [ogit/occurrenceCount](#)

Defines the number an event occurred.

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

used

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



**2.3.0.131 ogit/ServiceManagement/solution**

Solution description, for example that is usually provided during incident resolving. This field is also use for problem tickets. There is defines the permanent solution desription for a problem.

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

used

- optional:
  - [ogit/ServiceManagement/ChangeRequest](#)
  - [ogit/ServiceManagement/Incident](#)
  - [ogit/ServiceManagement/Problem](#)

**2.3.0.132 ogit/subject**

Contains the subject.

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

used

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

**2.3.0.133 ogit/checkedInAt**

Defines the time when something was actually checked in. The values can combine date and time with time zone designator according to ISO 8601.

- id: <http://www.purl.org/ogit/checkedInAt>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.134** 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/Event](#)
  - [ogit/ServiceManagement/Order](#)
  - [ogit/ServiceManagement/Ticket](#)

**2.3.0.135** ogit/lastClearedAt

Defines the date an event has been cleared.

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

used

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

**2.3.0.136** ogit/MARS/Resource/class

Used to classify Resource nodes. Will contain values like: 'Backend', 'Database', and so on. Replaces 'Resource↵ Class' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Resource/class>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- mandatory:
  - [ogit/MARS/Resource](#)

**2.3.0.137** `ogit/Automation/marsNodeType`

Obsolete attribute. Not used for HIRO  $\geq 6$ . Contains The Type of the Mars Node. Should be one of Application, Machine, Software, Resource.

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

used

- optional:
  - [ogit/MARS/Application](#)
  - [ogit/MARS/Machine](#)
  - [ogit/MARS/Resource](#)
  - [ogit/MARS/Software](#)

**2.3.0.138** `ogit/size`

The size, e.g. of a file.

- id: <http://www.purl.org/ogit/size>
- valid-from: Thu Mar 26 00:00:00 UTC 2015
- creator: arago Technologies

used

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

**2.3.0.139** `ogit/serviceContract`

This field specifies the contract covering a service.

- id: <http://www.purl.org/ogit/serviceContract>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.140 ogit/Automation/serviceStatus**

Contains the status of a service.

- id: <http://www.purl.org/ogit/Automation/serviceStatus>
- valid-from: Fri Jul 24 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

- optional:
  - [ogit/MARS/Application](#)
  - [ogit/MARS/Machine](#)
  - [ogit/MARS/Resource](#)
  - [ogit/MARS/Software](#)

**2.3.0.141 ogit/vendor**

Contains the vendor of a device or software/hardware component.

- id: <http://www.purl.org/ogit/vendor>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

- optional:
  - [ogit/ConfigurationItem](#)
  - [ogit/MARS/Machine](#)
  - [ogit/MARS/Software](#)

**2.3.0.142 ogit/firstOccurredAt**

Defines the date of first occurrence of an event

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

used

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

**2.3.0.143** ogit/validFrom

Defines a point in time when something becomes valid.

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

used

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

**2.3.0.144** ogit/Automation/governingContract

Contains information about the governing contract.

- id: <http://www.purl.org/ogit/Automation/governingContract>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.145** ogit/MARS/Software/serviceName

Defines the service name for a software which can buse for administrative operations like start, stop, or status. E.g on RedHat Linux it would be the name of the service unit (without the .service extension). Replaces 'ServiceName' from MARS-Schema

- id: <http://www.purl.org/ogit/MARS/Software/serviceName>
- valid-from: Fri Jun 01 00:00:00 UTC 2018
- creator: [fotto@arago.de](mailto:fotto@arago.de)

used

- optional:
  - [ogit/MARS/Software](#)

**2.3.0.146 ogit/reportedAt**

Defines the time when something was actually reported. The values can combine date and time with time zone designator according to ISO 8601. Reported time is used in incident management in the following manner: in most cases the reported time equals the time when the incident is created. In some cases, e.g. the incident is created after the helpdesk has already worked on some request before it was decided to create an incident, the reported time might differ from ticket creation/opening time.

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

used

- optional:
  - [ogit/ServiceManagement/ChangeRequest](#)
  - [ogit/ServiceManagement/Incident](#)
  - [ogit/ServiceManagement/Problem](#)

**2.3.0.147 ogit/ServiceManagement/targetStartAt**

Defines a point in time when the work on a change should start. This date time is defined by the requester. The values must be combined date and time with time zone designator according to ISO 8601

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

used

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

**2.3.0.148 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/Event](#)
  - [ogit/ServiceManagement/Incident](#)
  - [ogit/ServiceManagement/Order](#)
  - [ogit/ServiceManagement/Ticket](#)

**2.3.0.149** `ogit/ServiceManagement/task`

A task related to a Service Management process.

- id: <http://www.purl.org/ogit/ServiceManagement/task>
- valid-from: Mon Jul 06 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.150** `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/Event](#)
  - [ogit/Timeseries](#)

**2.3.0.151** `ogit/isSupported`

Indicates whether the service currently is supported. This field contains a boolean value.

- id: <http://www.purl.org/ogit/isSupported>
- valid-from: Mon Jul 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.152** ogit/operationalStatus

An operational 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/operationalStatus>
- valid-from: Wed May 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

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

**2.3.0.153** ogit/validTo

Defines a point in time when something stops being valid.

- id: <http://www.purl.org/ogit/validTo>
- valid-from: Tue Nov 29 00:00:00 UTC 2016
- creator: [stravlos@arago.co](mailto:stravlos@arago.co)

used

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

**2.3.0.154** ogit/ServiceManagement/changeStatus

Defines the status of a change record within the service management.

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

used

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