

---

Data

---

August 27, 2019

<b>1 Module Documentation</b>	<b>1</b>
1.1 Entities	1
1.1.0.1 ogit/MARS/Software	1
1.1.0.2 ogit/Automation/MARSNode	2
1.1.0.3 ogit/MARS/Application	4
1.1.0.4 ogit/Data/Log	5
1.1.0.5 ogit/MARS/Machine	6
1.1.0.6 ogit/MARS/Resource	7
1.2 Verbs	8
1.2.0.1 ogit/generates	8
1.3 Attributes	9
1.3.0.1 ogit/MARS/Network/fqdn	9
1.3.0.2 ogit/Automation/serviceType	9
1.3.0.3 ogit/MARS/Software/installPath	9
1.3.0.4 ogit/MARS/Network/interfaceMAC	10
1.3.0.5 ogit/Automation/serialNumber	10
1.3.0.6 ogit/Automation/servletName	10
1.3.0.7 ogit/Automation/cpuCoreCount	11
1.3.0.8 ogit/Automation/serviceId	11
1.3.0.9 ogit/manufacturer	11
1.3.0.10 ogit/Data/timeToLive	12
1.3.0.11 ogit/Automation/osVersion	12
1.3.0.12 ogit/endOfWarranty	12
1.3.0.13 ogit/Automation/buildType	13
1.3.0.14 ogit/Automation/cpuManufacturer	13
1.3.0.15 ogit/Automation/virtualMachineName	13
1.3.0.16 ogit/MARS/Network/bindAddress	14
1.3.0.17 ogit/MARS/Machine/class	14
1.3.0.18 ogit/MARS/Machine/cpuArch	14
1.3.0.19 ogit/Automation/moveToProductionAt	15
1.3.0.20 ogit/MARS/Software/logPath	15
1.3.0.21 ogit/Automation/osServicePack	15
1.3.0.22 ogit/Automation/portNumberListener	16
1.3.0.23 ogit/Version/major	16
1.3.0.24 ogit/Automation/memory	16
1.3.0.25 ogit/Automation/companyName	17
1.3.0.26 ogit/Automation/middlewareType	17
1.3.0.27 ogit/Automation/serviceName	17
1.3.0.28 ogit/Automation/licenseAvailability	18
1.3.0.29 ogit/url	18
1.3.0.30 ogit/Automation/cpuCount	18
1.3.0.31 ogit/Automation/databaseSchema	19

1.3.0.32 ogit/Automation/additionalMacAddress . . . . .	19
1.3.0.33 ogit/connectorId . . . . .	19
1.3.0.34 ogit/Automation/dataClassification . . . . .	20
1.3.0.35 ogit/Automation/firmwareVersion . . . . .	20
1.3.0.36 ogit/ipAddress . . . . .	20
1.3.0.37 ogit/Automation/installCount . . . . .	21
1.3.0.38 ogit/Automation/marsNodeFormalRepresentation . . . . .	21
1.3.0.39 ogit/Automation/systemClass . . . . .	21
1.3.0.40 ogit/Automation/diskCount . . . . .	22
1.3.0.41 ogit/Automation/automationState . . . . .	22
1.3.0.42 ogit/Automation/domain . . . . .	22
1.3.0.43 ogit/Automation/lifecycle . . . . .	23
1.3.0.44 ogit/Automation/cpuModel . . . . .	23
1.3.0.45 ogit/Automation/buildName . . . . .	23
1.3.0.46 ogit/Automation/appInstanceType . . . . .	24
1.3.0.47 ogit/modificationTime . . . . .	24
1.3.0.48 ogit/MARS/Software/instanceId . . . . .	24
1.3.0.49 ogit/Automation/diskSpace . . . . .	25
1.3.0.50 ogit/MARS/Application/subClass . . . . .	25
1.3.0.51 ogit/serialNumber . . . . .	25
1.3.0.52 ogit/MARS/Network/defaultGateway . . . . .	26
1.3.0.53 ogit/macAddress . . . . .	26
1.3.0.54 ogit/Automation/osName . . . . .	26
1.3.0.55 ogit/Automation/appServer . . . . .	27
1.3.0.56 ogit/MARS/Machine/ram . . . . .	27
1.3.0.57 ogit/MARS/Network/port . . . . .	27
1.3.0.58 ogit/Version/patch . . . . .	28
1.3.0.59 ogit/Automation/deployStatus . . . . .	28
1.3.0.60 ogit/MARS/Machine/kernel . . . . .	28
1.3.0.61 ogit/Automation/isDeployed . . . . .	29
1.3.0.62 ogit/MARS/Network/protocol . . . . .	29
1.3.0.63 ogit/MARS/Network/ipVersion . . . . .	29
1.3.0.64 ogit/name . . . . .	30
1.3.0.65 ogit/Automation/software . . . . .	30
1.3.0.66 ogit/description . . . . .	30
1.3.0.67 ogit/Automation/host . . . . .	31
1.3.0.68 ogit/Automation/appInfrastructureType . . . . .	31
1.3.0.69 ogit/MARS/Software/subClass . . . . .	31
1.3.0.70 ogit/Version/minor . . . . .	32
1.3.0.71 ogit/Automation/virtualSystemName . . . . .	32
1.3.0.72 ogit/Automation/osLicense . . . . .	32
1.3.0.73 ogit/Automation/databaseServer . . . . .	33

1.3.0.74 ogit/Automation/portNumber . . . . .	33
1.3.0.75 ogit/Automation/webServer . . . . .	33
1.3.0.76 ogit/Automation/softwareKey . . . . .	34
1.3.0.77 ogit/Automation/installPath . . . . .	34
1.3.0.78 ogit/Automation/licenseName . . . . .	34
1.3.0.79 ogit/Automation/contextPath . . . . .	35
1.3.0.80 ogit/Automation/cpuSpeed . . . . .	35
1.3.0.81 ogit/MARS/Network/interfacePrefixLength . . . . .	35
1.3.0.82 ogit/Automation/servletClass . . . . .	36
1.3.0.83 ogit/Datacenter/rackUnit . . . . .	36
1.3.0.84 ogit/Automation/firewallStatus . . . . .	36
1.3.0.85 ogit/MARS/Network/interfacelP . . . . .	37
1.3.0.86 ogit/MARS/Application/class . . . . .	37
1.3.0.87 ogit/Automation/exchangeRate . . . . .	37
1.3.0.88 ogit/Automation/patchNumber . . . . .	38
1.3.0.89 ogit/Automation/cpuType . . . . .	38
1.3.0.90 ogit/Automation/dataPrivacy . . . . .	38
1.3.0.91 ogit/Automation/objectIdentifier . . . . .	39
1.3.0.92 ogit/Automation/fqdn . . . . .	39
1.3.0.93 ogit/Automation/osKey . . . . .	39
1.3.0.94 ogit/Automation/brand . . . . .	40
1.3.0.95 ogit/Automation/licenseType . . . . .	40
1.3.0.96 ogit/Automation/virtualSystemType . . . . .	40
1.3.0.97 ogit/MARS/Machine/distroName . . . . .	41
1.3.0.98 ogit/MARS/Network/interfaceName . . . . .	41
1.3.0.99 ogit/Automation/osManufacturer . . . . .	41
1.3.0.100 ogit/id . . . . .	42
1.3.0.101 ogit/MARS/Software/class . . . . .	42
1.3.0.102 ogit/creationTime . . . . .	42
1.3.0.103 ogit/Automation/adminUrl . . . . .	43
1.3.0.104 ogit/MARS/Resource/class . . . . .	43
1.3.0.105 ogit/Automation/marsNodeType . . . . .	43
1.3.0.106 ogit/Automation/basicConfigId . . . . .	44
1.3.0.107 ogit/Automation/serviceStatus . . . . .	44
1.3.0.108 ogit/vendor . . . . .	44
1.3.0.109 ogit/Automation/systemType . . . . .	45
1.3.0.110 ogit/Automation/tcpPort . . . . .	45
1.3.0.111 ogit/MARS/Software/serviceName . . . . .	45
1.3.0.112 ogit/Automation/projectName . . . . .	45

# Chapter 1

## Module Documentation

### 1.1 Entities

#### 1.1.0.1 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](#)

#### outgoing edges

- [ogit/generates](#) => [ogit/Data/Log](#)

#### 1.1.0.2 [ogit/Automation/MARSNode](#)

Using this entity type to represent MARS nodes is deprecated. New applications should prefer the entity types from [ogit/MARS NTO](#).

IT Objects will be represented in MARS Modell with MARS nodes. The MARS model builds upon four basic types of objects with a single type of relationship. Basically the objects which are in fact called "nodes" represent both views - the business perspective and the technical view. The technical components are modeled in the machine and software layers while the application and resource layers describe the business view of the IT environment.

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

#### attributes

- optional:
  - [ogit/Automation/additionalMacAddress](#)
  - [ogit/Automation/adminUrl](#)
  - [ogit/Automation/appInfrastructureType](#)
  - [ogit/Automation/appInstanceType](#)
  - [ogit/Automation/appServer](#)
  - [ogit/Automation/basicConfigId](#)
  - [ogit/Automation/brand](#)
  - [ogit/Automation/buildName](#)
  - [ogit/Automation/buildType](#)

- `ogit/Automation/companyName`
- `ogit/Automation/contextPath`
- `ogit/Automation/cpuCoreCount`
- `ogit/Automation/cpuCount`
- `ogit/Automation/cpuManufacturer`
- `ogit/Automation/cpuModel`
- `ogit/Automation/cpuSpeed`
- `ogit/Automation/cpuType`
- `ogit/Automation/dataClassification`
- `ogit/Automation/dataPrivacy`
- `ogit/Automation/databaseSchema`
- `ogit/Automation/databaseServer`
- `ogit/Automation/deployStatus`
- `ogit/Automation/diskCount`
- `ogit/Automation/diskSpace`
- `ogit/Automation/domain`
- `ogit/Automation/exchangeRate`
- `ogit/Automation/firewallStatus`
- `ogit/Automation/firmwareVersion`
- `ogit/Automation/fqdn`
- `ogit/Automation/host`
- `ogit/Automation/installCount`
- `ogit/Automation/installPath`
- `ogit/Automation/isDeployed`
- `ogit/Automation/licenseAvailability`
- `ogit/Automation/licenseName`
- `ogit/Automation/licenseType`
- `ogit/Automation/lifecycle`
- `ogit/Automation/marsNodeFormalRepresentation`
- `ogit/Automation/marsNodeType`
- `ogit/Automation/memory`
- `ogit/Automation/middlewareType`
- `ogit/Automation/moveToProductionAt`
- `ogit/Automation/objectIdentifier`
- `ogit/Automation/osKey`
- `ogit/Automation/osLicense`
- `ogit/Automation/osManufacturer`
- `ogit/Automation/osName`
- `ogit/Automation/osServicePack`
- `ogit/Automation/osVersion`
- `ogit/Automation/patchNumber`
- `ogit/Automation/portNumber`
- `ogit/Automation/portNumberListener`
- `ogit/Automation/projectName`
- `ogit/Automation/serialNumber`

- [ogit/Automation/serviceId](#)
- [ogit/Automation/serviceName](#)
- [ogit/Automation/serviceStatus](#)
- [ogit/Automation/serviceType](#)
- [ogit/Automation/servletClass](#)
- [ogit/Automation/servletName](#)
- [ogit/Automation/software](#)
- [ogit/Automation/softwareKey](#)
- [ogit/Automation/systemClass](#)
- [ogit/Automation/systemType](#)
- [ogit/Automation/tcpPort](#)
- [ogit/Automation/virtualMachineName](#)
- [ogit/Automation/virtualSystemName](#)
- [ogit/Automation/virtualSystemType](#)
- [ogit/Automation/webServer](#)
- [ogit/Datacenter/rackUnit](#)
- [ogit/connectorId](#)
- [ogit/creationTime](#)
- [ogit/endOfWarranty](#)
- [ogit/id](#)
- [ogit/ipAddress](#)
- [ogit/macAddress](#)
- [ogit/manufacturer](#)
- [ogit/modificationTime](#)
- [ogit/name](#)
- [ogit/serialNumber](#)

#### outgoing edges

- [ogit/generates](#) => [ogit/Data/Log](#)

#### 1.1.0.3 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](#)

**outgoing edges**

- [ogit/generates](#) => [ogit/Data/Log](#)

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

## 1.1.0.5 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](#)

## outgoing edges

- [ogit/generates](#) => [ogit/Data/Log](#)

## 1.1.0.6 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](#)

## outgoing edges

- [ogit/generates](#) => [ogit/Data/Log](#)

## 1.2 Verbs

### 1.2.0.1 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/Automation/MARSNode](#) => [ogit/Data/Log](#)
- [ogit/MARS/Application](#) => [ogit/Data/Log](#)
- [ogit/MARS/Machine](#) => [ogit/Data/Log](#)
- [ogit/MARS/Resource](#) => [ogit/Data/Log](#)
- [ogit/MARS/Software](#) => [ogit/Data/Log](#)

## 1.3 Attributes

### 1.3.0.1 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](#)

### 1.3.0.2 ogit/Automation/serviceType

Contains the Type of a service.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

### 1.3.0.3 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](#)

#### 1.3.0.4 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](#)

#### 1.3.0.5 ogit/Automation/serialNumber

Contains a the serial number of a device/component.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.6 ogit/Automation/servletName

Contains the name if the servlet.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.7 ogit/Automation/cpuCoreCount

Contains the number of cpu cores.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.8 ogit/Automation/serviceId

Contains the Id of the service.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.9 ogit/manufacturer

Manufacturer of a device or component.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.10 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](#)

#### 1.3.0.11 ogit/Automation/osVersion

Version of the Operating System.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.12 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/Automation/MARSNode](#)
  - [ogit/MARS/Machine](#)
  - [ogit/MARS/Software](#)



#### 1.3.0.13 `ogit/Automation/buildType`

Contains the build type of a component.

- id: <http://www.purl.org/ogit/Automation/buildType>
- valid-from: Wed Aug 19 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.14 `ogit/Automation/cpuManufacturer`

Contains the manufacturer of the cpu of a device.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.15 `ogit/Automation/virtualMachineName`

Contains the name of the virtual machine.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.16 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](#)

#### 1.3.0.17 ogit/MARS/Machine/class

Defines the 'class' of a Machine MARS node. This is basically the Operation System name. Replaces 'MachineClass' 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](#)

#### 1.3.0.18 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](#)

**1.3.0.19** `ogit/Automation/moveToProductionAt`

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

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.20** `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](#)

**1.3.0.21** `ogit/Automation/osServicePack`

Contains the service pack for the operating system.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.22 `ogit/Automation/portNumberListener`

Contains a port number listener.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.23 `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](#)

#### 1.3.0.24 `ogit/Automation/memory`

Contains a the total physical memory (RAM) in MB.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.25 `ogit/Automation/companyName`

Contains the company name of a component.

- id: <http://www.purl.org/ogit/Automation/companyName>
- valid-from: Mon Nov 02 00:00:00 UTC 2015
- creator: Peter Larem

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.26 `ogit/Automation/middlewareType`

Contains information about the type of middleware. For example it database middleware, application server middleware or a message-oriented middleware.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.27 `ogit/Automation/serviceName`

Contains the name of a service.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.28 ogit/Automation/licenseAvailability

The availability of the license of a component.

- id: <http://www.purl.org/ogit/Automation/licenseAvailability>
- valid-from: Fri Jul 24 00:00:00 UTC 2015
- creator: Peter Larem

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.29 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/MARS/Resource](#)
  - [ogit/MARS/Software](#)

#### 1.3.0.30 ogit/Automation/cpuCount

An integer which shows the number of cps of a component.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.31 `ogit/Automation/databaseSchema`

Contains information about the database schema. The schema is the skeleton structure that represents the logical view of the entire database

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.32 `ogit/Automation/additionalMacAddress`

Contains an additional MAC address

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.33 `ogit/connectorId`

The Id of the connector.

- id: <http://www.purl.org/ogit/connectorId>
- valid-from: Thu Jun 11 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.34 `ogit/Automation/dataClassification`

Data classification of a component.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.35 `ogit/Automation/firmwareVersion`

Version of the firmware.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.36 `ogit/ipAddress`

The IP address of a component/hardware device.

- id: <http://www.purl.org/ogit/ipAddress>
- valid-from: Wed May 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

- optional:
  - [ogit/Automation/MARSNode](#)



**1.3.0.37** `ogit/Automation/installCount`

Contains an integer. This integer can be adjust automatically when software is added to or deleted from configuration items (CIs).

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.38** `ogit/Automation/marsNodeFormalRepresentation`

Obsolete attribute. Not used for HIRO  $\geq 6$ . Contains MARS in XML representation defined by MARSSchema2013.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.39** `ogit/Automation/systemClass`

Contains the class of the system.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.40** `ogit/Automation/diskCount`

An integer which shows the number of disks of a component.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.41** `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](#)

**1.3.0.42** `ogit/Automation/domain`

Contains the domain name.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.43 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 Kählitz

used

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

**1.3.0.44 ogit/Automation/cpuModel**

Contains the model of the cpu.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.45 ogit/Automation/buildName**

Contains the build name of a component.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.46** `ogit/Automation/appInstanceType`

Contains the instance type.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.47** `ogit/modificationTime`

Modification time.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.48** `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](#)

**1.3.0.49 ogit/Automation/diskSpace**

An integer which contains the disk space in GB.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.50 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](#)

**1.3.0.51 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/Automation/MARSNode](#)
  - [ogit/MARS/Machine](#)
  - [ogit/MARS/Software](#)

#### 1.3.0.52 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](#)

#### 1.3.0.53 ogit/macAddress

The mac address of a component.

- id: <http://www.purl.org/ogit/macAddress>
- valid-from: Wed May 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.54 ogit/Automation/osName

Contains operating system name.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.55** `ogit/Automation/appServer`

Contains application server.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.56** `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](#)

**1.3.0.57** `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](#)

**1.3.0.58** 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](#)

**1.3.0.59** ogit/Automation/deployStatus

String value, represents the status if an automation Knowledge Item is not deployed into an Automation Engine.

- id: <http://www.purl.org/ogit/Automation/deployStatus>
- valid-from: Mon Jan 25 00:00:00 UTC 2016
- creator: Peter Larem

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.60** 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](#)



**1.3.0.61 ogit/Automation/isDeployed**

Obsolete attribute. Not used for HIRO  $\geq 6$ . Boolean value, true if an automation Knowledge Item is deployed into an Automation Engine.

- id: <http://www.purl.org/ogit/Automation/isDeployed>
- valid-from: Mon Jan 25 00:00:00 UTC 2016
- creator: Peter Larem

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.62 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](#)

**1.3.0.63 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 expectd 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](#)

## 1.3.0.64 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/MARS/Application](#)
  - [ogit/MARS/Machine](#)
  - [ogit/MARS/Resource](#)
  - [ogit/MARS/Software](#)
- optional:
  - [ogit/Automation/MARSNode](#)
  - [ogit/Data/Log](#)

## 1.3.0.65 ogit/Automation/software

A software component.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

## 1.3.0.66 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/Data/Log](#)

**1.3.0.67 ogit/Automation/host**

Contains the host name.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.68 ogit/Automation/appInfrastructureType**

Contains the application infrastructure type.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.69 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](#)

**1.3.0.70** 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](#)

**1.3.0.71** ogit/Automation/virtualSystemName

Contains the name of the virtual system.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.72** ogit/Automation/osLicense

License of the Operating System.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.73** `ogit/Automation/databaseServer`

Contains information about the database server.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.74** `ogit/Automation/portNumber`

Contains a port number.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.75** `ogit/Automation/webServer`

Contains an webServer.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.76** `ogit/Automation/softwareKey`

Contains the key of a software.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.77** `ogit/Automation/installPath`

Contains the installation path of a component.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.78** `ogit/Automation/licenseName`

Contains the license name of a component.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.79 ogit/Automation/contextPath

Contains the context path of a component.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.80 ogit/Automation/cpuSpeed

An floating point number which shows the cpu speed in GHZ.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

#### 1.3.0.81 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](#)

**1.3.0.82** `ogit/Automation/servletClass`

Contains the class of the servlet.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.83** `ogit/Datacenter/rackUnit`

The name of the RackUnit within a datacenter.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.84** `ogit/Automation/firewallStatus`

Contains information about the firewall status.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)



**1.3.0.85** `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](#)

**1.3.0.86** `ogit/MARS/Application/class`

Used to classifiy Application nodes. Replaces 'ResourceClass' 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](#)

**1.3.0.87** `ogit/Automation/exchangeRate`

Contains the data rate exchanged.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.88** `ogit/Automation/patchNumber`

Contains a patch number.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.89** `ogit/Automation/cpuType`

Contains the cpu type of a device.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.90** `ogit/Automation/dataPrivacy`

Data privacy of a component.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.91** `ogit/Automation/objectIdentifier`

Contains a system object identifier.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.92** `ogit/Automation/fqdn`

Contains a fully qualified domain name.

- id: <http://www.purl.org/ogit/Automation/fqdn>
- valid-from: Tue Jan 15 00:00:00 UTC 2019
- creator: Aymen Ayoub

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.93** `ogit/Automation/osKey`

Product key for the Operating System.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.94 ogit/Automation/brand**

Contains the brand of a component/device.

- id: <http://www.purl.org/ogit/Automation/brand>
- valid-from: Tue Jan 15 00:00:00 UTC 2019
- creator: Aymen Ayoub

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.95 ogit/Automation/licenseType**

Contains the license type of a component.

- id: <http://www.purl.org/ogit/Automation/licenseType>
- valid-from: Sun May 24 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.96 ogit/Automation/virtualSystemType**

Contains the type of the virtual system.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.97 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](#)

**1.3.0.98 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](#)

**1.3.0.99 ogit/Automation/osManufacturer**

Contains the manufacturer of the operating system.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

## 1.3.0.100 ogit/id

General id.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

## 1.3.0.101 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](#)

## 1.3.0.102 ogit/creationTime

Creation time of an entity.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.103** `ogit/Automation/adminUrl`

Contains an URL (unified resource locator)

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.104** `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](#)

**1.3.0.105** `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/Automation/MARSNode](#)
  - [ogit/MARS/Application](#)
  - [ogit/MARS/Machine](#)
  - [ogit/MARS/Resource](#)
  - [ogit/MARS/Software](#)

**1.3.0.106** `ogit/Automation/basicConfigId`

Contains the internal identifier of the basic configuration of a component .

- id: <http://www.purl.org/ogit/Automation/basicConfigId>
- valid-from: Wed May 27 00:00:00 UTC 2015
- creator: Aymen Ayoub

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.107** `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/Automation/MARSNode](#)
  - [ogit/MARS/Application](#)
  - [ogit/MARS/Machine](#)
  - [ogit/MARS/Resource](#)
  - [ogit/MARS/Software](#)

**1.3.0.108** `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/MARS/Machine](#)
  - [ogit/MARS/Software](#)



**1.3.0.109 ogit/Automation/systemType**

Contains the type of the system.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.110 ogit/Automation/tcpPort**

The tcp port.

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

used

- optional:
  - [ogit/Automation/MARSNode](#)

**1.3.0.111 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](#)

**1.3.0.112 ogit/Automation/projectName**

Contains the project name of a component.

- id: <http://www.purl.org/ogit/Automation/projectName>
- valid-from: Mon Nov 02 00:00:00 UTC 2015
- creator: Peter Larem

used

- optional:
  - [ogit/Automation/MARSNode](#)