Network

December 15, 2020

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Chapter 1

Module Documentation

1.1 Entities

1.1.0.1 ogit/Network/Switch

Networking device for packet switching

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

attributes

- optional:
  - ogit/id
  - ogit/name

incoming edges

- ogit/extends <= ogit/Network/NetworkCard
- ogit/extends <= ogit/Network/SimpleDevice
- ogit/manages <= ogit/Person

1.1.0.2 ogit/Network/SimpleDevice

Standalone networking device, which could be physical or virtual

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

attributes

- optional:
  - ogit/id
  - ogit/name

incoming edges

- ogit/contains <= ogit/Network/NetworkFabric
- ogit/describes <= ogit/Asset

outgoing edges

- ogit/contains => ogit/Network/Port
- ogit/corresponds => ogit/Asset
- ogit/extends => ogit/Network/WifiAccessPoint
- ogit/extends => ogit/Network/Switch
- ogit/extends => ogit/Network/Router
- ogit/extends => ogit/Network/Loadbalancer
- ogit/extends => ogit/Network/IDSIPS
- ogit/generates => ogit/Timeseries

1.1.0.3 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 representated 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
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  - ogit/Automation/databaseSchema
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  - ogit/Automation/fqdn
  - ogit/Automation/host
  - ogit/Automation/installCount
  - ogit/Automation/installPath
  - ogit/Automation/isDeployed
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  - 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/contains => ogit/Network/NetworkInterface

1.1.0.4 ogit/Network/Site

A site located in on place, which contains a geographically concentrated computer network.

- id: http://www.purl.org/ogit/Network/Site
- valid-from: Fri Sep 04 00:00:00 UTC 2020
- creator: Marek Meyer
- scope: NTO
- parent: ogit/Node

attributes

- optional:
  - ogit/id
  - ogit/name

incoming edges

- ogit/connects <= ogit/Network/NetworkLink
- ogit/locatedAt <= ogit/Network/NetworkElement

outgoing edges

- ogit/locatedIn => ogit/Location/NUTSLevel3

1.1.0.5 ogit/Network/NetworkElement

A Network Element represents a manageable entity in a network. either a single physical device or a group of devices.

- id: http://www.purl.org/ogit/Network/NetworkElement
- valid-from: Fri Sep 04 00:00:00 UTC 2020
- creator: Marek Meyer
- scope: NTO
- parent: ogit/Node

attributes

- optional:
  - ogit/id
  - ogit/name
  - ogit/subType

incoming edges

- ogit/connects <= ogit/Network/NetworkLink

outgoing edges

- ogit/locatedAt => ogit/Network/Site

1.1.0.6 ogit/Location/NUTSLevel3

A region at the level 3 of the NUTS (Nomenclature of Territorial Units for Statistics) classification, representing a subdivision of a country.

- id: http://www.purl.org/ogit/Location/NUTSLevel3
- valid-from: Fri Sep 04 00:00:00 UTC 2020
- creator: Marek Meyer
- scope: NTO
- parent: ogit/Node

attributes

- mandatory:
  - ogit/name

incoming edges

- ogit/locatedIn <= ogit/Network/Site

1.1.0.7 ogit/Network/PortChannel

A Portchannel bundles two or more physical or logical network ports

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

attributes

- optional:
  - ogit/id
  - ogit/name

incoming edges

- ogit/manages <= ogit/Person

outgoing edges

- ogit/belongs => ogit/Network/Port
- ogit/relates => ogit/Network/NetworkInterface

1.1.0.8 ogit/Network/Subnet

Subnet is a group of IDAddresses located in one place.

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

attributes

- optional:
  - ogit/id
  - ogit/name

incoming edges

- ogit/belongs <= ogit/Network/IPAddress
- ogit/manages <= ogit/Person

1.1.0.9 ogit/Network/Loadbalancer

A Loadbaancer distributes network loads between multiple endpoints/hosts.

- id: http://www.purl.org/ogit/Network/Loadbalancer
- 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/extends <= ogit/Network/NetworkCard
- ogit/extends <= ogit/Network/SimpleDevice

1.1.0.10 ogit/Person

A Person represents a human identity.

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

attributes

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

outgoing edges

- ogit/manages => ogit/Network/WifiAccessPoint
- ogit/manages => ogit/Network/VLAN
- ogit/manages => ogit/Network/Switch
- ogit/manages => ogit/Network/Subnet
- ogit/manages => ogit/Network/Slot
- ogit/manages => ogit/Network/Shelf
- ogit/manages => ogit/Network/Router
- ogit/manages => ogit/Network/PortChannel
- ogit/manages => ogit/Network/Port

1.1.0.11 ogit/Network/Shelf

Shelf is a physical entity inside a enclosure, each enclosure can house one to many shelfs

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

attributes

- optional:
  - ogit/id
  - ogit/name

incoming edges

- ogit/contains <= ogit/Network/NetworkEnclosure
- ogit/manages <= ogit/Person

outgoing edges

- ogit/contains => ogit/Network/Slot
- ogit/corresponds => ogit/Asset

1.1.0.12 ogit/Network/NIC

NIC, or Network Interface Card is a Physical/Virtual Circuit allowing an endpoint to connect to a network.

- id: http://www.purl.org/ogit/Network/NIC
- 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/connects <= ogit/Network/Port

outgoing edges

- ogit/contains => ogit/Network/MACAddress
- ogit/corresponds => ogit/Asset

1.1.0.13 ogit/Network/Slot

Slot is a physical entity inside a shelf allowing to plug in extension moduls, e. g. network interface moduls oder CPU modules.

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

attributes

- optional:
  - ogit/id
  - ogit/name

incoming edges

- ogit/contains <= ogit/Network/Shelf
- ogit/extends <= ogit/Network/NetworkCard
- ogit/manages <= ogit/Person

1.1.0.14 ogit/Network/AccessControlList

An access control list (ACL), with respect to a computer file system, is a list of permissions attached to an object. An ACL specifies which users or system processes are granted access to objects, as well as what operations are allowed on given objects.

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

attributes

- optional:
  - ogit/id

outgoing edges

- ogit/complies => ogit/Network/NetworkSetting

1.1.0.15 ogit/Network/NetworkLink

A Network Link represents a logical connection between interfaces, elements, or sites.

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

attributes

- optional:
  - ogit/capacity
  - ogit/id
  - ogit/subType

incoming edges

- ogit/transfers <= ogit/Software/SoftwareConnection

outgoing edges

- ogit/connects => ogit/Network/NetworkInterface
- ogit/connects => ogit/Network/NetworkElement
- ogit/connects => ogit/Network/Site

1.1.0.16 ogit/Network/NetworkEnclosure

Networking Enclosure is a physical Entity hosing Physical Networking Devices

- id: http://www.purl.org/ogit/Network/NetworkEnclosure
- 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/describes <= ogit/Asset

outgoing edges

- ogit/contains => ogit/Network/Shelf
- ogit/corresponds => ogit/Asset

1.1.0.17 ogit/Network/IPAddress

A Network IPAddress is per network unique identifier for IP-Devices.

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

attributes

- optional:
  - ogit/id

outgoing edges

- ogit/belongs => ogit/Network/Subnet
- ogit/relates => ogit/Network/NetworkInterface

1.1.0.18 ogit/Network/MACAddress

MAC-Adress is a globally unique identifier for Ethernet Adapters

- id: http://www.purl.org/ogit/Network/MACAddress
- 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/Network/NIC

1.1.0.19 ogit/Network/VLAN

VLAN or Virtual LAN is a group of computers or network devices that appear to be on the same LAN, even if they are distributed. VLANs allow segregation of traffic within a network.

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

attributes

- optional:
  - ogit/id
  - ogit/name

incoming edges

- ogit/belongs <= ogit/Network/Port
- ogit/manages <= ogit/Person

1.1.0.20 ogit/Network/NetworkSetting

Network Policy is a generic definition that outlines rules for computer network access, determines how policies are enforced and lays out some of the basic architecture of the company security/ network security environment.

- id: http://www.purl.org/ogit/Network/NetworkSetting
- 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/complies <= ogit/Network/AccessControlList
- ogit/complies <= ogit/Network/NetworkFilter
- ogit/complies <= ogit/Network/NetworkInterface

1.1.0.21 ogit/Network/Router

Networking Device for forwarding data packet between networks

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

attributes

- optional:
  - ogit/id
  - ogit/name

incoming edges

- ogit/extends <= ogit/Network/NetworkCard
- ogit/extends <= ogit/Network/SimpleDevice
- ogit/manages <= ogit/Person

1.1.0.22 ogit/Network/NetworkFilter

A Network Filter is a security measure restricting usage.

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

attributes

- optional:
  - ogit/id

outgoing edges

- ogit/complies => ogit/Network/NetworkSetting

1.1.0.23 ogit/Network/NetworkCard

Physical Networking Module to be fitted into an enclosure.

- id: http://www.purl.org/ogit/Network/NetworkCard
- 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/Network/NetworkFabric
- ogit/describes <= ogit/Asset

outgoing edges

- ogit/contains => ogit/Network/Port
- ogit/corresponds => ogit/Asset
- ogit/extends => ogit/Network/Slot
- ogit/extends => ogit/Network/WifiAccessPoint
- ogit/extends => ogit/Network/Switch
- ogit/extends => ogit/Network/Router
- ogit/extends => ogit/Network/Loadbalancer
- ogit/extends => ogit/Network/IDSIPS

1.1.0.24 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/connects <= ogit/Network/NetworkLink
- ogit/contains <= ogit/Automation/MARSNode
- ogit/contains <= ogit/MARS/Machine
- ogit/contains <= ogit/Network/NetworkEndpoint
- ogit/relates <= ogit/Network/IPAddress
- ogit/relates <= ogit/Network/Port
- ogit/relates <= ogit/Network/PortChannel

outgoing edges

- ogit/complies => ogit/Network/NetworkSetting

1.1.0.25 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/contains => ogit/Network/NetworkInterface

1.1.0.26 ogit/Network/Port

A physical or logical network port

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

attributes

- optional:
  - ogit/id
  - ogit/name

incoming edges

- ogit/belongs <= ogit/Network/PortChannel
- ogit/contains <= ogit/Network/NetworkCard
- ogit/contains <= ogit/Network/SimpleDevice
- ogit/manages <= ogit/Person

outgoing edges

- ogit/belongs => ogit/Network/VLAN
- ogit/connects => ogit/Network/NIC
- ogit/connects => ogit/Network/FCHBA
- ogit/relates => ogit/Network/NetworkInterface

1.1.0.27 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

incoming edges

- ogit/corresponds <= ogit/Network/FCHBA
- ogit/corresponds <= ogit/Network/NIC
- ogit/corresponds <= ogit/Network/NetworkCard
- ogit/corresponds <= ogit/Network/NetworkEnclosure
- ogit/corresponds <= ogit/Network/NetworkEndpoint
- ogit/corresponds <= ogit/Network/NetworkFabric
- ogit/corresponds <= ogit/Network/Shelf
- ogit/corresponds <= ogit/Network/SimpleDevice

outgoing edges

- ogit/describes => ogit/Network/SimpleDevice
- ogit/describes => ogit/Network/NetworkFabric
- ogit/describes => ogit/Network/NetworkEnclosure
- ogit/describes => ogit/Network/NetworkCard

1.1.0.28 ogit/Software/SoftwareConnection

Represents the connection between two components, which allows data transmission through a network link.

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

attributes

- optional:
  - ogit/type

outgoing edges

- ogit/transfers => ogit/Network/NetworkLink

1.1.0.29 ogit/Network/WifiAccessPoint

Device offering wireless/radio networking services

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

attributes

- optional:
  - ogit/id
  - ogit/name

incoming edges

- ogit/extends <= ogit/Network/NetworkCard
- ogit/extends <= ogit/Network/SimpleDevice
- ogit/manages <= ogit/Person

1.1.0.30 ogit/Network/NetworkEndpoint

An endpoint device is an Internet-capable computer hardware device on a TCP/IP network. The term can refer to desktop computers, laptops, smart phones, tablets, thin clients, printers or other specialized hardware such POS terminals and smart meters.

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

attributes

- optional:
  - ogit/id

outgoing edges

- ogit/contains => ogit/Network/NetworkInterface
- ogit/contains => ogit/Network/FCHBA
- ogit/corresponds => ogit/Asset

1.1.0.31 ogit/Network/NetworkFabric

Networking Fabric is a virtual/physical Entity housing Networking Devices

- id: http://www.purl.org/ogit/Network/NetworkFabric
- 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/describes <= ogit/Asset

outgoing edges

- ogit/contains => ogit/Network/SimpleDevice
- ogit/contains => ogit/Network/NetworkCard
- ogit/corresponds => ogit/Asset

1.1.0.32 ogit/Network/IDSIPS

Intrution Detection and Intrusion Prevention System are network security appliances that monitor network and/or system activities for malicious activity.

- id: http://www.purl.org/ogit/Network/IDSIPS
- 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/extends <= ogit/Network/NetworkCard
- ogit/extends <= ogit/Network/SimpleDevice

1.1.0.33 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/Network/SimpleDevice

1.1.0.34 ogit/Network/FCHBA

Fibre Channel Host Bus Adapter, Physical/Virtual Circuit allowing an endpoint to connect to a network.

- id: http://www.purl.org/ogit/Network/FCHBA
- 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/connects <= ogit/Network/Port
- ogit/contains <= ogit/Network/NetworkEndpoint

outgoing edges

- ogit/corresponds => ogit/Asset

1.2 Verbs

1.2.0.1 ogit/contains

This relationship indicates that something is part of something else. see also "includes"

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

Allowed Connection

- ogit/Automation/MARSNode => ogit/Network/NetworkInterface
- ogit/MARS/Machine => ogit/Network/NetworkInterface
- ogit/Network/NIC => ogit/Network/MACAddress
- ogit/Network/NetworkCard => ogit/Network/Port
- ogit/Network/NetworkEnclosure => ogit/Network/Shelf
- ogit/Network/NetworkEndpoint => ogit/Network/NetworkInterface
- ogit/Network/NetworkEndpoint => ogit/Network/FCHBA
- ogit/Network/NetworkFabric => ogit/Network/SimpleDevice
- ogit/Network/NetworkFabric => ogit/Network/NetworkCard
- ogit/Network/Shelf => ogit/Network/Slot
- ogit/Network/SimpleDevice => ogit/Network/Port

1.2.0.2 ogit/manages

This relationship indicates that one entity manages some other.

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

Allowed Connection

- ogit/Person => ogit/Network/WifiAccessPoint
- ogit/Person => ogit/Network/VLAN
- ogit/Person => ogit/Network/Switch
- ogit/Person => ogit/Network/Subnet
- ogit/Person => ogit/Network/Slot
- ogit/Person => ogit/Network/Shelf
- ogit/Person => ogit/Network/Router
- ogit/Person => ogit/Network/PortChannel
- ogit/Person => ogit/Network/Port

1.2.0.3 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/Network/SimpleDevice => ogit/Timeseries

1.2.0.4 ogit/locatedAt

Indicates that an entity is located at another entity.

- id: http://www.purl.org/ogit/locatedAt
- valid-from: Fri Sep 20 00:00:00 UTC 2019
- creator: Marek Meyer

Allowed Connection

- ogit/Network/NetworkElement => ogit/Network/Site

1.2.0.5 ogit/extends

Indicates if one entity extends another one

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

Allowed Connection

- ogit/Network/NetworkCard => ogit/Network/Slot
- ogit/Network/NetworkCard => ogit/Network/WifiAccessPoint
- ogit/Network/NetworkCard => ogit/Network/Switch
- ogit/Network/NetworkCard => ogit/Network/Router
- ogit/Network/NetworkCard => ogit/Network/Loadbalancer
- ogit/Network/NetworkCard => ogit/Network/IDSIPS
- ogit/Network/SimpleDevice => ogit/Network/WifiAccessPoint
- ogit/Network/SimpleDevice => ogit/Network/Switch
- ogit/Network/SimpleDevice => ogit/Network/Router
- ogit/Network/SimpleDevice => ogit/Network/Loadbalancer
- ogit/Network/SimpleDevice => ogit/Network/IDSIPS

1.2.0.6 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/Network/SimpleDevice
- ogit/Asset => ogit/Network/NetworkFabric
- ogit/Asset => ogit/Network/NetworkEnclosure
- ogit/Asset => ogit/Network/NetworkCard

1.2.0.7 ogit/complies

Indicates wether one entity should comply to another.

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

Allowed Connection

- ogit/Network/AccessControlList => ogit/Network/NetworkSetting
- ogit/Network/NetworkFilter => ogit/Network/NetworkSetting
- ogit/Network/NetworkInterface => ogit/Network/NetworkSetting

1.2.0.8 ogit/connects

Verb showing that an entity is physically/virtually connecting to another entity.

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

Allowed Connection

- ogit/Network/NetworkLink => ogit/Network/NetworkInterface
- ogit/Network/NetworkLink => ogit/Network/NetworkElement
- ogit/Network/NetworkLink => ogit/Network/Site
- ogit/Network/Port => ogit/Network/NIC
- ogit/Network/Port => ogit/Network/FCHBA

1.2.0.9 ogit/locatedIn

indicate that something has its place somewhere

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

Allowed Connection

- ogit/Network/Site => ogit/Location/NUTSLevel3

1.2.0.10 ogit/corresponds

Indicates wether one entity could correpond to a more general one, e.g. an Incident could correspond to a Ticket

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

Allowed Connection

- ogit/Network/FCHBA => ogit/Asset
- ogit/Network/NIC => ogit/Asset
- ogit/Network/NetworkCard => ogit/Asset
- ogit/Network/NetworkEnclosure => ogit/Asset
- ogit/Network/NetworkEndpoint => ogit/Asset
- ogit/Network/NetworkFabric => ogit/Asset
- ogit/Network/Shelf => ogit/Asset
- ogit/Network/SimpleDevice => ogit/Asset

1.2.0.11 ogit/transfers

Indicates if one entity transfers information to another.

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

Allowed Connection

- ogit/Software/SoftwareConnection => ogit/Network/NetworkLink

1.2.0.12 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/Network/IPAddress => ogit/Network/Subnet
- ogit/Network/Port => ogit/Network/VLAN
- ogit/Network/PortChannel => ogit/Network/Port

1.2.0.13 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/Network/IPAddress => ogit/Network/NetworkInterface
- ogit/Network/Port => ogit/Network/NetworkInterface
- ogit/Network/PortChannel => ogit/Network/NetworkInterface

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

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/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

used

- optional:
  - ogit/MARS/Machine

1.3.0.4 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

1.3.0.5 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

1.3.0.6 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

1.3.0.7 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

1.3.0.8 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

1.3.0.9 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

1.3.0.10 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

1.3.0.11 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

1.3.0.12 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

1.3.0.13 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

1.3.0.14 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

1.3.0.15 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

used

- mandatory:
  - ogit/MARS/Machine

1.3.0.16 ogit/MARS/Machine/cpuArch

CPU architecture. On UNIX like systems it will be the output onf '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

used

- optional:
  - ogit/MARS/Machine

1.3.0.17 ogit/email

An email address.

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

used

- optional:
  - ogit/Person

1.3.0.18 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

1.3.0.19 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

1.3.0.20 ogit/alternativeName

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

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

used

- optional:
  - ogit/Person

1.3.0.21 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

1.3.0.22 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

used

- optional:
  - ogit/MARS/Machine

1.3.0.23 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

1.3.0.24 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

1.3.0.25 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

1.3.0.26 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

1.3.0.27 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

1.3.0.28 ogit/notification

A notification.

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

used

- optional:
  - ogit/Person

1.3.0.29 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/Person

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/mobilePhone

A mobile phone number.

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

used

- optional:
  - ogit/Person

1.3.0.33 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

1.3.0.34 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

1.3.0.35 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

1.3.0.36 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

1.3.0.37 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

1.3.0.38 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

1.3.0.39 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

1.3.0.40 ogit/Automation/marsNodeFormalRepresentation

Obsolete attribute. Not used for HIRO >=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

1.3.0.41 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

1.3.0.42 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

1.3.0.43 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

used

- optional:
  - ogit/MARS/Machine

1.3.0.44 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/Person

1.3.0.45 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

1.3.0.46 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/Machine

1.3.0.47 ogit/lastName

Last name of a person.

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

used

- optional:
  - ogit/Person

1.3.0.48 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

1.3.0.49 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

1.3.0.50 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

1.3.0.51 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

1.3.0.52 ogit/middleName

Middle name of a person.

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

used

- optional:
  - ogit/Person

1.3.0.53 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

1.3.0.54 ogit/serialNumber

A string representing a any kind of serial number. see http://purl.org/goodrelations/v1#serial↩Number

- 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

1.3.0.55 ogit/firstName

First name of a person

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

used

- optional:
  - ogit/Person

1.3.0.56 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

used

- optional:
  - ogit/MARS/Machine

1.3.0.57 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

1.3.0.58 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

1.3.0.59 ogit/title

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

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

used

- optional:
  - ogit/Person

1.3.0.60 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

1.3.0.61 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

used

- optional:
  - ogit/MARS/Machine

1.3.0.62 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

1.3.0.63 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

used

- optional:
  - ogit/MARS/Machine

1.3.0.64 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

1.3.0.65 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

used

- optional:
  - ogit/MARS/Machine

1.3.0.66 ogit/Automation/isDeployed

Obsolete attribute. Not used for HIRO >=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

1.3.0.67 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

1.3.0.68 ogit/MARS/Network/ipVersion

Alloes 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 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

used

- optional:
  - ogit/MARS/Machine

1.3.0.69 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/Location/NUTSLevel3
  - ogit/MARS/Machine
- optional:
  - ogit/Asset
  - ogit/Automation/MARSNode
  - ogit/Network/NetworkElement
  - ogit/Network/Port
  - ogit/Network/PortChannel
  - ogit/Network/Router
  - ogit/Network/Shelf
  - ogit/Network/SimpleDevice
  - ogit/Network/Site
  - ogit/Network/Slot
  - ogit/Network/Subnet
  - ogit/Network/Switch
  - ogit/Network/VLAN
  - ogit/Network/WifiAccessPoint
  - ogit/Timeseries

1.3.0.70 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

1.3.0.71 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/Timeseries

1.3.0.72 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

1.3.0.73 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

1.3.0.74 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

used

- optional:
  - ogit/MARS/Machine

1.3.0.75 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

1.3.0.76 ogit/officePhone

The phone number in the office.

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

used

- optional:
  - ogit/Person

1.3.0.77 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

1.3.0.78 ogit/fax

The number of a fax.

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

used

- optional:
  - ogit/Person

1.3.0.79 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

1.3.0.80 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

1.3.0.81 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

1.3.0.82 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/Software/SoftwareConnection

1.3.0.83 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

1.3.0.84 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

1.3.0.85 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

1.3.0.86 ogit/capacity

General Capacity

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

used

- optional:
  - ogit/Network/NetworkLink

1.3.0.87 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

1.3.0.88 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

1.3.0.89 ogit/otherPhone

The number of an other phone.

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

used

- optional:
  - ogit/Person

1.3.0.90 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

used

- optional:
  - ogit/MARS/Machine

1.3.0.91 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

1.3.0.92 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

1.3.0.93 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

1.3.0.94 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

1.3.0.95 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

used

- optional:
  - ogit/MARS/Machine

1.3.0.96 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/Network/NetworkElement
  - ogit/Network/NetworkLink

1.3.0.97 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

1.3.0.98 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

1.3.0.99 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

1.3.0.100 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

1.3.0.101 ogit/webPage

A web page.

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

used

- optional:
  - ogit/Person

1.3.0.102 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

1.3.0.103 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

1.3.0.104 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

1.3.0.105 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

1.3.0.106 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

1.3.0.107 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

1.3.0.108 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

used

- optional:
  - ogit/MARS/Machine

1.3.0.109 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

used

- optional:
  - ogit/MARS/Machine

1.3.0.110 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

1.3.0.111 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/Asset
  - ogit/Automation/MARSNode
  - ogit/Network/AccessControlList
  - ogit/Network/FCHBA
  - ogit/Network/IDSIPS
  - ogit/Network/IPAddress
  - ogit/Network/Loadbalancer
  - ogit/Network/MACAddress
  - ogit/Network/NIC
  - ogit/Network/NetworkCard
  - ogit/Network/NetworkElement
  - ogit/Network/NetworkEnclosure
  - ogit/Network/NetworkEndpoint
  - ogit/Network/NetworkFabric
  - ogit/Network/NetworkFilter
  - ogit/Network/NetworkInterface
  - ogit/Network/NetworkLink
  - ogit/Network/NetworkSetting
  - ogit/Network/Port
  - ogit/Network/PortChannel
  - ogit/Network/Router
  - ogit/Network/Shelf
  - ogit/Network/SimpleDevice
  - ogit/Network/Site
  - ogit/Network/Slot
  - ogit/Network/Subnet
  - ogit/Network/Switch
  - ogit/Network/VLAN
  - ogit/Network/WifiAccessPoint

1.3.0.112 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

1.3.0.113 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

1.3.0.114 ogit/Automation/marsNodeType

Obsolete attribute. Not used for HIRO >=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/Machine

1.3.0.115 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

1.3.0.116 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/Machine

1.3.0.117 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

1.3.0.118 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

1.3.0.119 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

1.3.0.120 ogit/position

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

- id: http://www.purl.org/ogit/position
- valid-from: Tue Oct 18 00:00:00 UTC 2016
- creator: Arthur Shoba

used

- optional:
  - ogit/Person

1.3.0.121 ogit/instance

Defines the name of an instance.

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

used

- optional:
  - ogit/Timeseries

1.3.0.122 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