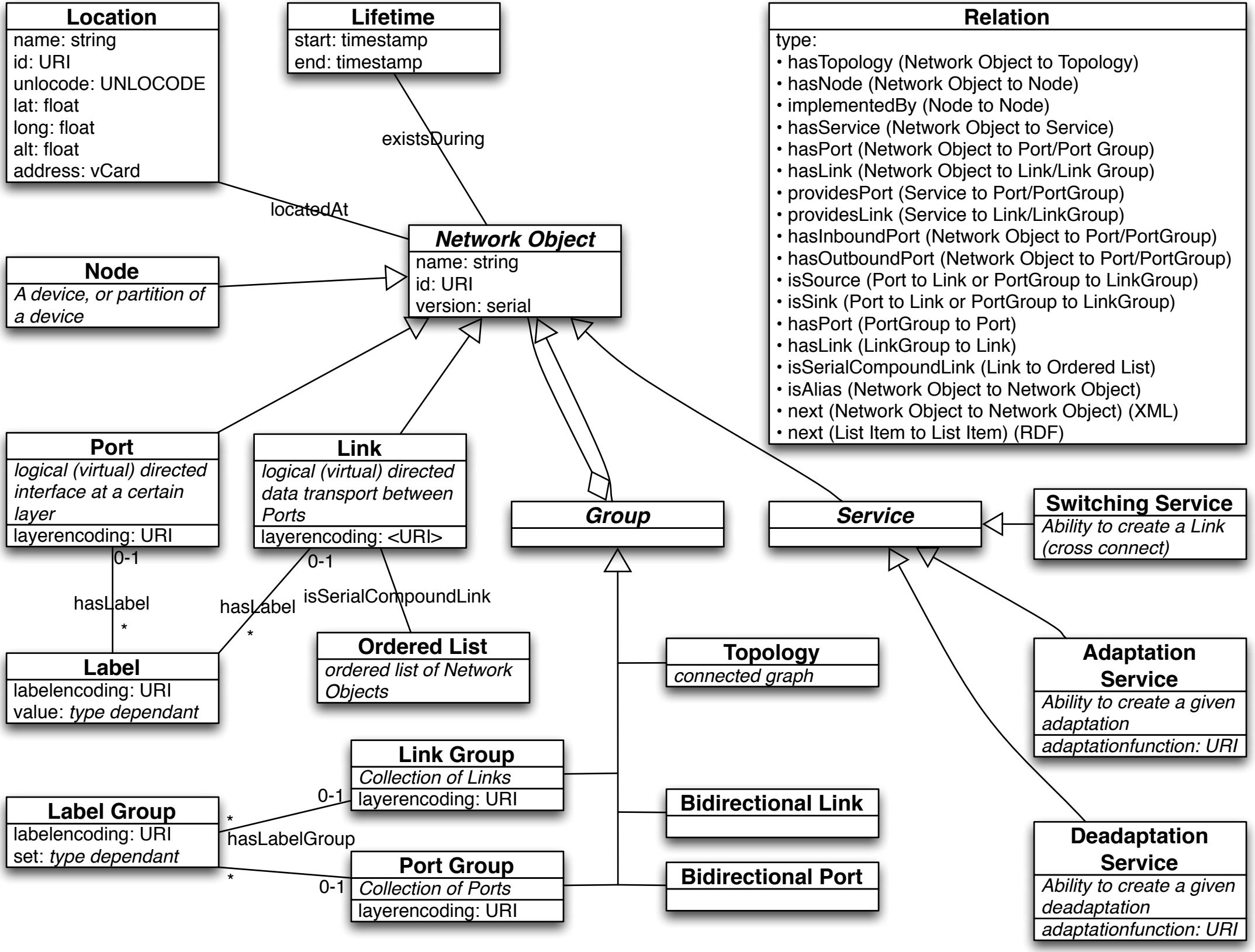
Location
name: string
id: URI
unlocode: UNLOCODE
lat: float
long: float
alt: float
address: vCard
Lifetime
start: timestamp
end: timestamp
existsDuring
locatedAt
Relation
type:
• hasTopology (Network Object to Topology)
• hasNode (Network Object to Node)
• implementedBy (Node to Node)
• hasService (Network Object to Service)
• hasPort (Network Object to Port/Port Group)
• hasLink (Network Object to Link/Link Group)
• providesPort (Service to Port/PortGroup)
• providesLink (Service to Link/LinkGroup)
• hasInboundPort (Network Object to Port/PortGroup)
• hasOutboundPort (Network Object to Port/PortGroup)
• isSource (Port to Link or PortGroup to LinkGroup)
• isSink (Port to Link or PortGroup to LinkGroup)
• hasPort (PortGroup to Port)
• hasLink (LinkGroup to Link)
• isSerialCompoundLink (Link to Ordered List)
• isAlias (Network Object to Network Object)
• next (Network Object to Network Object) (XML)
• next (List Item to List Item) (RDF)
Network Object
name: string
id: URI
version: serial
Node
A device, or partition of a device
Port
logical (virtual) directed interface at a certain layer
layerencoding: URI
Link
logical (virtual) directed data transport between Ports
layerencoding: <URI>
Group
Service
Switching Service
Ability to create a Link (cross connect)
0-1
hasLabel
*
0-1
hasLabel
*
isSerialCompoundLink
Label
labelencoding: URI
value: type dependant
Ordered List
ordered list of Network Objects
Topology
connected graph
Adaptation Service
Ability to create a given adaptation
adaptationfunction: URI
Link Group
Collection of Links
layerencoding: URI
0-1
Label Group
labelencoding: URI
set: type dependant
*
hasLabelGroup
*
0-1
Port Group
Collection of Ports
layerencoding: URI
Bidirectional Link
Bidirectional Port
Deadaptation Service
Ability to create a given deadaptation
adaptationfunction: URI