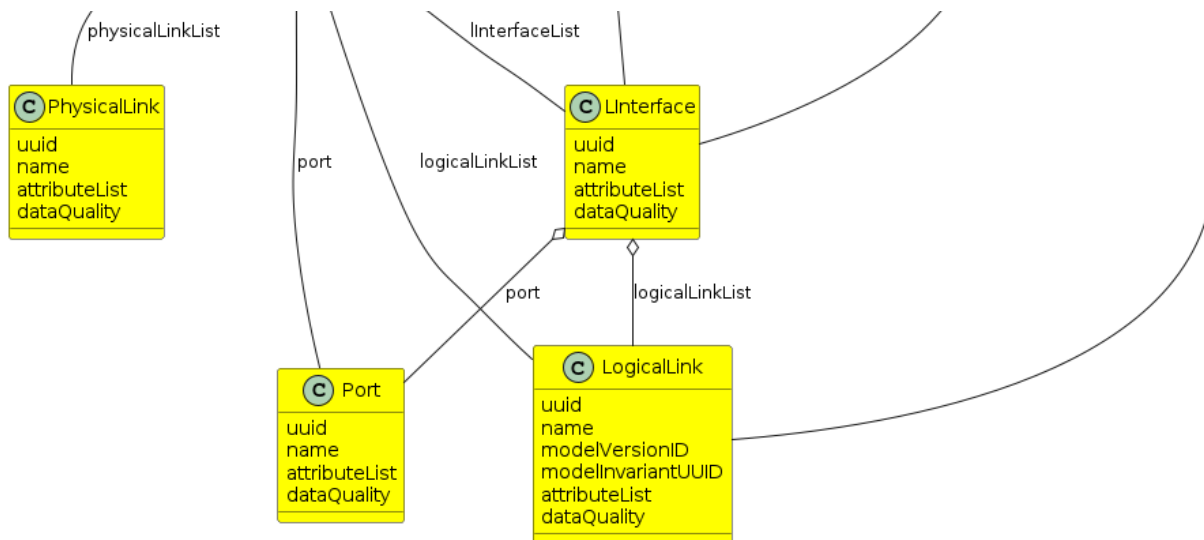


POMBA Common Model

See also [POMBA Casablanca Model](#)

Class Diagram



i Dublin POMBA common model corresponds to v13 of A&AI API schema

Swagger Model

POMBA Context Builder API static swagger specification - POMBA Common Model.html

Common Model Schema

```

{
  "service": {
    "uuid": "string",
    "name": "string",
    "modelVersionID": "string",
    "modelInvariantUUID": "string",
    "dataQuality": {
      "status": "ok",
      "errorText": "string"
    },
    "attributes": [
      {
        "name": "adminStatus",
        "value": "string",
        "dataQuality": {
          "status": "ok",
          "errorText": "string"
        }
      }
    ]
  },
  "dataQuality": {
    "status": "ok",
    "errorText": "string"
  },
  "networkList": [
    {
      "uuid": "string",
      "name": "string",
      "modelVersionID": "string",

```

```

"modelInvariantUUID": "string",
"dataQuality": {
  "status": "ok",
  "errorText": "string"
},
"networkPolicies": [
  {
    "uuid": "string",
    "name": "string",
    "dataQuality": {
      "status": "ok",
      "errorText": "string"
    },
    "attributes": [
      {
        "name": "adminStatus",
        "value": "string",
        "dataQuality": {
          "status": "ok",
          "errorText": "string"
        }
      }
    ]
  }
],
"attributes": [
  {
    "name": "adminStatus",
    "value": "string",
    "dataQuality": {
      "status": "ok",
      "errorText": "string"
    }
  }
]
},
"attributes": [
  {
    "name": "adminStatus",
    "value": "string",
    "dataQuality": {
      "status": "ok",
      "errorText": "string"
    }
  }
]
},
"vnfs": [
  {
    "uuid": "string",
    "name": "string",
    "type": "string",
    "modelVersionID": "string",
    "modelInvariantUUID": "string",
    "dataQuality": {
      "status": "ok",
      "errorText": "string"
    },
    "vfModules": [
      {
        "uuid": "string",
        "name": "string",
        "modelVersionID": "string",
        "modelInvariantUUID": "string",
        "modelCustomizationUUID": "string",
        "maxInstances": 0,
        "minInstances": 0,
        "dataQuality": {
          "status": "ok",
          "errorText": "string"
        }
      }
    ]
  }
]

```

```

"vms": [
  {
    "uuid": "string",
    "name": "string",
    "dataQuality": {
      "status": "ok",
      "errorText": "string"
    },
    "attributes": [
      {
        "name": "adminStatus",
        "value": "string",
        "dataQuality": {
          "status": "ok",
          "errorText": "string"
        }
      }
    ]
  },
  "pserver": {
    "uuid": "string",
    "name": "string",
    "dataQuality": {
      "status": "ok",
      "errorText": "string"
    },
    "logicalLinkList": [
      {
        "uuid": "string",
        "name": "string",
        "modelVersionID": "string",
        "modelInvariantUUID": "string",
        "dataQuality": {
          "status": "ok",
          "errorText": "string"
        },
        "attributes": [
          {
            "name": "adminStatus",
            "value": "string",
            "dataQuality": {
              "status": "ok",
              "errorText": "string"
            }
          }
        ]
      }
    ],
    "attributes": [
      {
        "name": "adminStatus",
        "value": "string",
        "dataQuality": {
          "status": "ok",
          "errorText": "string"
        }
      }
    ],
    "pinterfaceList": [
      {
        "uuid": "string",
        "name": "string",
        "dataQuality": {
          "status": "ok",
          "errorText": "string"
        },
        "physicalLinkList": [
          {
            "uuid": "string",
            "name": "string",
            "dataQuality": {
              "status": "ok",

```

```

        "errorText": "string"
    },
    "attributes": [
        {
            "name": "adminStatus",
            "value": "string",
            "dataQuality": {
                "status": "ok",
                "errorText": "string"
            }
        }
    ]
},
"port": {
    "uuid": "string",
    "name": "string",
    "dataQuality": {
        "status": "ok",
        "errorText": "string"
    },
    "attributes": [
        {
            "name": "adminStatus",
            "value": "string",
            "dataQuality": {
                "status": "ok",
                "errorText": "string"
            }
        }
    ]
},
"attributes": [
    {
        "name": "adminStatus",
        "value": "string",
        "dataQuality": {
            "status": "ok",
            "errorText": "string"
        }
    }
]
}
],
"interfaceList": [
    {
        "uuid": "string",
        "name": "string",
        "dataQuality": {
            "status": "ok",
            "errorText": "string"
        },
        "port": {
            "uuid": "string",
            "name": "string",
            "dataQuality": {
                "status": "ok",
                "errorText": "string"
            },
            "attributes": [
                {
                    "name": "adminStatus",
                    "value": "string",
                    "dataQuality": {
                        "status": "ok",
                        "errorText": "string"
                    }
                }
            ]
        }
    }
],
},

```

```

        "attributes": [
            {
                "name": "adminStatus",
                "value": "string",
                "dataQuality": {
                    "status": "ok",
                    "errorText": "string"
                }
            }
        ]
    }
],
"networks": [
    {
        "uuid": "string",
        "name": "string",
        "modelVersionID": "string",
        "modelInvariantUUID": "string",
        "dataQuality": {
            "status": "ok",
            "errorText": "string"
        },
        "networkPolicies": [
            {
                "uuid": "string",
                "name": "string",
                "dataQuality": {
                    "status": "ok",
                    "errorText": "string"
                }
            },
            {
                "attributes": [
                    {
                        "name": "adminStatus",
                        "value": "string",
                        "dataQuality": {
                            "status": "ok",
                            "errorText": "string"
                        }
                    }
                ]
            }
        ],
        "attributes": [
            {
                "name": "adminStatus",
                "value": "string",
                "dataQuality": {
                    "status": "ok",
                    "errorText": "string"
                }
            }
        ]
    }
],
"attributes": [
    {
        "name": "adminStatus",
        "value": "string",
        "dataQuality": {
            "status": "ok",
            "errorText": "string"
        }
    }
]
},
"vnfcs": [
    {
        "uuid": "string",

```

```

    "name": "string",
    "modelVersionID": "string",
    "modelInvariantUUID": "string",
    "dataQuality": {
      "status": "ok",
      "errorText": "string"
    },
    "attributes": [
      {
        "name": "adminStatus",
        "value": "string",
        "dataQuality": {
          "status": "ok",
          "errorText": "string"
        }
      }
    ]
  },
  "networks": [
    {
      "uuid": "string",
      "name": "string",
      "modelVersionID": "string",
      "modelInvariantUUID": "string",
      "dataQuality": {
        "status": "ok",
        "errorText": "string"
      },
      "networkPolicies": [
        {
          "uuid": "string",
          "name": "string",
          "dataQuality": {
            "status": "ok",
            "errorText": "string"
          },
          "attributes": [
            {
              "name": "adminStatus",
              "value": "string",
              "dataQuality": {
                "status": "ok",
                "errorText": "string"
              }
            }
          ]
        }
      ],
      "attributes": [
        {
          "name": "adminStatus",
          "value": "string",
          "dataQuality": {
            "status": "ok",
            "errorText": "string"
          }
        }
      ]
    }
  ],
  "attributes": [
    {
      "name": "adminStatus",
      "value": "string",
      "dataQuality": {
        "status": "ok",
        "errorText": "string"
      }
    }
  ]
}
]

```

```

    }
  ],
  "pnfs": [
    {
      "uuid": "string",
      "name": "string",
      "modelVersionID": "string",
      "modelInvariantUUID": "string",
      "dataQuality": {
        "status": "ok",
        "errorText": "string"
      },
      "attributes": [
        {
          "name": "adminStatus",
          "value": "string",
          "dataQuality": {
            "status": "ok",
            "errorText": "string"
          }
        }
      ]
    }
  ]
}

```

Swagger Specification for POMBA Common Model

POMBA Audit Context Builder API

default

[Show/Hide](#) | [List Operations](#) | [Expand Operations](#)

GET /service/context

Get Common model context from Context Builder

Response Class (Status 200)

successful operation

Model [Example Value](#)

ModelContext {

service (*Service, optional*): Service object of the model,
dataQuality (*DataQuality, optional*): Data Quality indicator,
networkList (*Array[Network], optional*): List of networks associated with the service instance,
attributes (*Array[Attribute], optional*): List of attributes,
vnfs (*Array[VNF], optional*): List of VNF associated with the service instance,
pnfs (*Array[PNF], optional*): List of PNF associated with the service instance

}

Service {

uuid (*string, optional*),
name (*string, optional*),
modelVersionID (*string, optional*),
modelInvariantUUID (*string, optional*),
dataQuality (*DataQuality, optional*),
attributes (*Array[Attribute], optional*)

}

```

DataQuality {
  status (string, optional) = ['ok', 'error'],
  errorText (string, optional)
}

Network {
  uuid (string, optional),
  name (string, optional),
  modelVersionID (string, optional),
  modelInvariantUUID (string, optional),
  dataQuality (DataQuality, optional),
  networkPolicies (Array[NetworkPolicy], optional),
  attributes (Array[Attribute], optional)
}

Attribute {
  name (string, optional): Name of the attribute = ['adminStatus', 'ipAddress', 'hostName', 'lockedBoolean', 'macAddress', 'networkType', 'networkTechnology',
'physicalNetworkName', 'sharedNetworkBoolean', 'networkRole', 'routerExternalBoolean', 'imageId', 'nfNamingCode', 'nfType', 'nfRole', 'nfFunction',
'nfcNamingCode', 'nfcNamingTypen', 'name2', 'equipType', 'equipVendor', 'equipModel', 'swVesrion', 'serialNumber', 'provStatus', 'fqdn', 'interfaceRole',
'interfaceType', 'speedValue', 'speedUnits', 'portDescription', 'circuitId', 'linkType', 'routingProtocol', 'networkName', 'isPortMirrored'],
  value (string, optional): Value of the attribute,
  dataQuality (DataQuality, optional): Data Quality indicator of the attribute
}

```

```

VNF {
  uuid (string, optional),
  name (string, optional),
  type (string, optional),
  modelVersionID (string, optional),
  modelInvariantUUID (string, optional),
  dataQuality (DataQuality, optional),
  vfModules (Array[VFModule], optional),
  vnfcs (Array[VNFC], optional),
  networks (Array[Network], optional),
  attributes (Array[Attribute], optional)
}

PNF {
  uuid (string, optional),
  name (string, optional),
  modelVersionID (string, optional),
  modelInvariantUUID (string, optional),
  dataQuality (DataQuality, optional),
  attributes (Array[Attribute], optional)
}

NetworkPolicy {
  uuid (string, optional),
  name (string, optional),
  dataQuality (DataQuality, optional),
  attributes (Array[Attribute], optional)
}

```

```
VFModule {
  uuid (string, optional),
  name (string, optional),
  modelVersionID (string, optional),
  modelInvariantUUID (string, optional),
  modelCustomizationUUID (string, optional),
  maxInstances (integer, optional),
  minInstances (integer, optional),
  dataQuality (DataQuality, optional),
  vms (Array[VM], optional),
  networks (Array[Network], optional),
  attributes (Array[Attribute], optional)
}

VNFC {
  uuid (string, optional),
  name (string, optional),
  modelVersionID (string, optional),
  modelInvariantUUID (string, optional),
  dataQuality (DataQuality, optional),
  attributes (Array[Attribute], optional)
}

VM {
  uuid (string, optional),
  name (string, optional),
  dataQuality (DataQuality, optional),
  attributes (Array[Attribute], optional),
  pserver (Pserver, optional),
  linterfaceList (Array[LInterface], optional)
}
```

```
Pserver {
  uuid (string, optional),
  name (string, optional),
  dataQuality (DataQuality, optional),
  logicalLinkList (Array[LogicalLink], optional),
  attributes (Array[Attribute], optional),
  pinterfaceList (Array[PInterface], optional)
}

LInterface {
  uuid (string, optional),
  name (string, optional),
  dataQuality (DataQuality, optional),
  port (Port, optional),
  attributes (Array[Attribute], optional)
}

LogicalLink {
  uuid (string, optional),
  name (string, optional),
  modelVersionID (string, optional),
  modelInvariantUUID (string, optional),
  dataQuality (DataQuality, optional),
  attributes (Array[Attribute], optional)
}
```

```
Interface {
  uuid (string, optional),
  name (string, optional),
  dataQuality (DataQuality, optional),
  physicalLinkList (Array[PhysicalLink], optional),
  port (Port, optional),
  attributes (Array[Attribute], optional)
}

Port {
  uuid (string, optional),
  name (string, optional),
  dataQuality (DataQuality, optional),
  attributes (Array[Attribute], optional)
}

PhysicalLink {
  uuid (string, optional),
  name (string, optional),
  dataQuality (DataQuality, optional),
  attributes (Array[Attribute], optional)
}
```

Response Content Type application/json ▾

Parameters

Parameter	Value	Description	Parameter Type	Data Type
X-FromAppId	(required)	ID that identifies calling application	header	string
X-TransactionId		Transaction ID published by the calling application	header	string
serviceInstanceId	(required)	Instance ID of the audited service	query	string
modelVersionId		Unique identifier of a SDC model version	query	string
modelInvariantId		Global identifier of each SDC asset	query	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
400	Bad request		
401	Unauthorized		
404	Service not available		
500	Unexpected Runtime error		

Try it out!