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# **Python OPC-UA Documentation**

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Pure Python OPC-UA / IEC 62541 Client and Server Python 2, 3 and pypy . <http://freeopcua.github.io/>, <https://github.com/FreeOpcUa/python-opcua>

OPC-UA implementation is quasi complete and has been tested against many different OPC-UA stacks. API offers both a low level interface to send and receive all UA defined structures and high level classes allowing to write a server or a client in a few lines. It is easy to mix high level objects and low level UA calls in one application.

Most code is autogenerated from xml specification using same code as the one that is used for freeopcua C++ client and server, thus adding missing fonctionnality to client and server should be trivial.

Some documentation is available at <http://python-opcua.readthedocs.org/en/latest/>

A simple GUI client is available: <https://github.com/FreeOpcUa/opcua-client-gui>

Examples: <https://github.com/FreeOpcUa/python-opcua/tree/master/examples>

Minimal client example: <https://github.com/FreeOpcUa/python-opcua/blob/master/examples/client-minimal.py> Minimal server example: <https://github.com/FreeOpcUa/python-opcua/blob/master/examples/server-minimal.py>

Contents:



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## OPC-UA Server Class

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```
class opcua.server.server.Server (shelffile=None, iserver=None)
```

High level Server class

This class creates an opcua server with default values

Create your own namespace and then populate your server address space using use the `get_root()` or `get_objects()` to get Node objects. and `get_event_object()` to fire events. Then start server. See `example_server.py` All methods are threadsafe

If you need more flexibility you call directly the Ua Service methods on the `iserver` or `iserver.isession` object members.

During startup the standard address space will be constructed, which may be time-consuming when running a server on a less powerful device (e.g. a Raspberry Pi). In order to improve startup performance, a optional path to a cache file can be passed to the server constructor. If the parameter is defined, the address space will be loaded from the cache file or the file will be created if it does not exist yet. As a result the first startup will be even slower due to the cache file generation but all further start ups will be significantly faster.

### Variables

- **product\_uri** (*uri*) –
- **name** (*string*) –
- **default\_timeout** (*InternalServer*) – timeout in milliseconds for sessions and secure channel
- **iserver** – internal server object
- **bserver** (*BinaryServer*) – binary protocol server
- **nodes** (*Shortcuts*) – shortcuts to common nodes

```
allow_remote_admin (allow)
```

Enable or disable the builtin Admin user from network clients

```
create_custom_data_type (idx, name, basetype=24, properties=None)
```

```
create_custom_event_type (idx, name, basetype=2041, properties=None)
```

**create\_custom\_object\_type** (*idx, name, basetype=58, properties=None, variables=None, methods=None*)

**create\_custom\_variable\_type** (*idx, name, basetype=62, properties=None, variables=None, methods=None*)

**create\_subscription** (*period, handler*)

Create a subscription. returns a Subscription object which allow to subscribe to events or data on server  
period is in milliseconds handler is a python object with following methods:

def datachange\_notification(self, node, val, data): def event\_notification(self, event): def status\_change\_notification(self, status):

**dehistorize\_node\_data\_change** (*node*)

Stop historizing supplied nodes; see history module Args:

node: node or list of nodes that can be historized (UA variables/properties)

Returns:

**dehistorize\_node\_event** (*node*)

Stop historizing events from node (typically a UA object); see history module Args:

node: node or list of nodes that can be historized (UA objects)

Returns:

**delete\_nodes** (*nodes, recursive=False*)

**disable\_clock** (*val=True*)

for debugging you may want to disable clock that write every second to address space

**export\_xml** (*nodes, path*)

Export defined nodes to xml

**export\_xml\_by\_ns** (*path, namespaces=None*)

Export nodes of one or more namespaces to an XML file. Namespaces used by nodes are always exported for consistency. Args:

server: opc ua server to use path: name of the xml file to write namespaces: list of string uris or int indexes of the namespace to export, if not provide all ns are used except 0

Returns:

**find\_servers** (*uris=None*)

find\_servers. mainly implemented for symmetry with client

**get\_client\_to\_discovery** (*url='opc.tcp://localhost:4840'*)

Create a client to discovery server and return it

**get\_endpoints** ()

**get\_event\_generator** (*etype=None, source=2253*)

Returns an event object using an event type from address space. Use this object to fire events

**get\_namespace\_array** ()

get all namespace defined in server

**get\_namespace\_index** (*uri*)

get index of a namespace using its uri

**get\_node** (*nodeid*)

Get a specific node using NodeId object or a string representing a NodeId

**get\_objects\_node** ()

Get Objects node of server. Returns a Node object.



**get\_root\_node()**

Get Root node of server. Returns a Node object.

**get\_server\_node()**

Get Server node of server. Returns a Node object.

**historize\_node\_data\_change** (*node, period=datetime.timedelta(7), count=0*)

Start historizing supplied nodes; see history module Args:

node: node or list of nodes that can be historized (variables/properties) period: time delta to store the history; older data will be deleted from the storage count: number of changes to store in the history

Returns:

**historize\_node\_event** (*node, period=datetime.timedelta(7), count=0*)

Start historizing events from node (typically a UA object); see history module Args:

node: node or list of nodes that can be historized (UA objects) period: time delta to store the history; older data will be deleted from the storage count: number of events to store in the history

Returns:

**import\_xml** (*path=None, xmlstring=None*)

Import nodes defined in xml

**link\_method** (*node, callback*)

Link a python function to a UA method in the address space; required when a UA method has been imported to the address space via XML; the python executable must be linked manually Args:

node: UA method node callback: python function that the UA method will call

Returns:

**load\_certificate** (*path*)

load server certificate from file, either pem or der

**load\_enums** ()

load UA structures and generate python Enums in ua module for custom enums in server

**load\_private\_key** (*path*)

**load\_type\_definitions** (*nodes=None*)

load custom structures from our server. Server side this can be used to create python objects from custom structures imported through xml into server

**register\_namespace** (*uri*)

Register a new namespace. Nodes should in custom namespace, not 0.

**register\_to\_discovery** (*url='opc.tcp://localhost:4840', period=60*)

Register to an OPC-UA Discovery server. Registering must be renewed at least every 10 minutes, so this method will use our asyncio thread to re-register every period seconds if period is 0 registration is not automatically renewed

**set\_application\_uri** (*uri*)

Set application/server URI. This uri is supposed to be unique. If you intent to register your server to a discovery server, it really should be unique in your system! default is : “[urn:freeopcua:python:server](#)”

**set\_attribute\_value** (*nodeid, datavalue, attr=<AttributeIds.Value: 13>*)

directly write datavalue to the Attribute, bypassing some checks and structure creation so it is a little faster

**set\_endpoint** (*url*)

**set\_security\_ids** (*policyIDs*)

Method setting up the security endpoints for identification of clients. During server object initialization, all possible endpoints are enabled:

```
self._policyIDs = ["Anonymous", "Basic256", "Basic128", "Username"]
```

E.g. to limit the number of IDs and disable anonymous clients:

```
set_security_policy(["Basic256"])
```

(Implementation for ID check is currently not finalized...)

**set\_security\_policy** (*security\_policy*)

Method setting up the security policies for connections to the server, where *security\_policy* is a list of integers. During server initialization, all endpoints are enabled:

```
security_policy = [ ua.SecurityPolicyType.NoSecurity, ua.SecurityPolicyType.Basic128Rsa15_SignAndEncrypt,
                    ua.SecurityPolicyType.Basic128Rsa15_Sign, ua.SecurityPolicyType.Basic256_SignAndEncrypt,
                    ua.SecurityPolicyType.Basic256_Sign
                    ]
```

E.g. to limit the number of endpoints and disable no encryption:

```
set_security_policy([ ua.SecurityPolicyType.Basic128Rsa15_SignAndEncrypt
                    ua.SecurityPolicyType.Basic256_SignAndEncrypt])
```

**set\_server\_name** (*name*)

**start** ()

Start to listen on network

**stop** ()

Stop server

**subscribe\_server\_callback** (*event, handle*)

**unregister\_to\_discovery** (*url='opc.tcp://localhost:4840'*)

stop registration thread

**unsubscribe\_server\_callback** (*event, handle*)

**class** opcua.server.internal\_server.**InternalServer** (*shelffile=None*)

**add\_endpoint** (*endpoint*)

**create\_session** (*name, user=<User.Anonymous: 1>, external=False*)

**disable\_history\_data\_change** (*node*)

Set attribute Historizing of node to False and stop storing data for history

**disable\_history\_event** (*source*)

Set attribute History Read of node to False and stop storing data for history

**dump\_address\_space** (*path*)

Dump current address space to path

**enable\_history\_data\_change** (*node, period=datetime.timedelta(7), count=0*)

Set attribute Historizing of node to True and start storing data for history

**enable\_history\_event** (*source, period=datetime.timedelta(7), count=0*)

Set attribute History Read of object events to True and start storing data for history

**find\_servers** (*params*)

```
get_endpoints (params=None, sockname=None)  
get_new_channel_id ()  
load_address_space (path)  
    Load address space from path  
load_standard_address_space (shelffile=None)  
register_server (server, conf=None)  
register_server2 (params)  
set_attribute_value (nodeid, datavalue, attr=<AttributeIds.Value: 13>)  
    directly write datavalue to the Attribute, bypassing some checks and structure creation so it is a little faster  
setup_nodes ()  
    Set up some nodes as defined by spec  
start ()  
stop ()  
subscribe_server_callback (event, handle)  
    Create a subscription from event to handle  
unsubscribe_server_callback (event, handle)  
    Remove a subscription from event to handle  
class opcua.server.internal_server.InternalSession (internal_server, aspace, submgr,  
                                                    name, user=<User.Anonymous:  
                                                    I>, external=False)  
  
    activate_session (params)  
    add_method_callback (methodid, callback)  
    add_nodes (params)  
    add_references (params)  
    browse (params)  
    call (params)  
    close_session (delete_subs=True)  
    create_monitored_items (params)  
    create_session (params, sockname=None)  
    create_subscription (params, callback)  
    delete_monitored_items (params)  
    delete_nodes (params)  
    delete_references (params)  
    delete_subscriptions (ids)  
    get_endpoints (params=None, sockname=None)  
    history_read (params)  
    modify_monitored_items (params)  
    modify_subscription (params, callback)
```

```
publish (acks=None)
read (params)
republish (params)
translate_browsepaths_to_nodeids (params)
write (params)
class opcua.server.binary_server_asyncio.BinaryServer (internal_server, hostname,
                                                         port)

    set_loop (loop)
    set_policies (policies)
    start ()
    stop ()
```

---

### OPC-UA Client Class

---

**class** opcua.client.client.**Client** (*url, timeout=4*)

High level client to connect to an OPC-UA server.

This class makes it easy to connect and browse address space. It attempts to expose as much functionality as possible but if you want more flexibility it is possible and advised to use UaClient object, available as self.uaclient which offers the raw OPC-UA services interface.

**activate\_session** (*username=None, password=None, certificate=None*)

Activate session using either username and password or private\_key

**close\_secure\_channel** ()

**close\_session** ()

Close session

**connect** ()

High level method Connect, create and activate session

**connect\_and\_find\_servers** ()

Connect, ask server for a list of known servers, and disconnect

**connect\_and\_find\_servers\_on\_network** ()

Connect, ask server for a list of known servers on network, and disconnect

**connect\_and\_get\_server\_endpoints** ()

Connect, ask server for endpoints, and disconnect

**connect\_socket** ()

connect to socket defined in url

**create\_session** ()

send a CreateSessionRequest to server with reasonable parameters. If you want to modify settings look at code of this methods and make your own

**create\_subscription** (*period, handler*)

Create a subscription. returns a Subscription object which allow to subscribe to events or data on server handler argument is a class with data\_change and/or event methods. period argument is either a publishing interval in milliseconds or a CreateSubscriptionParameters instance. The second option should be used,

if the opcua-server has problems with the default options. These methods will be called when notification from server are received. See example-client.py. Do not do expensive/slow or network operation from these methods since they are called directly from receiving thread. This is a design choice, start another thread if you need to do such a thing.

**delete\_nodes** (*nodes, recursive=False*)

**disconnect** ()

High level method Close session, secure channel and socket

**disconnect\_socket** ()

**export\_xml** (*nodes, path*)

Export defined nodes to xml

**static find\_endpoint** (*endpoints, security\_mode, policy\_uri*)

Find endpoint with required security mode and policy URI

**find\_servers** (*uris=None*)

send a FindServer request to the server. The answer should be a list of servers the server knows about A list of uris can be provided, only server having matching uris will be returned

**find\_servers\_on\_network** ()

**get\_endpoints** ()

**get\_namespace\_array** ()

**get\_namespace\_index** (*uri*)

**get\_node** (*nodeid*)

Get node using NodeId object or a string representing a NodeId

**get\_objects\_node** ()

**get\_root\_node** ()

**get\_server\_node** ()

**import\_xml** (*path=None, xmlstring=None*)

Import nodes defined in xml

**load\_client\_certificate** (*path*)

load our certificate from file, either pem or der

**load\_enums** ()

generate Python enums for custom enums on server. This enums will be available in ua module

**load\_private\_key** (*path*)

Load user private key. This is used for authenticating using certificate

**load\_type\_definitions** (*nodes=None*)

Load custom types (custom structures/extension objects) definition from server Generate Python classes for custom structures/extension objects defined in server These classes will available in ua module

**open\_secure\_channel** (*renew=False*)

Open secure channel, if renew is True, renew channel

**register\_namespace** (*uri*)

Register a new namespace. Nodes should in custom namespace, not 0. This method is mainly implemented for symetry with server

**register\_server** (*server, discovery\_configuration=None*)

register a server to discovery server if discovery\_configuration is provided, the newer register\_server2 service call is used

**send\_hello()**

Send OPC-UA hello to server

**server\_policy\_id**(*token\_type, default*)

Find PolicyId of server's UserTokenPolicy by token\_type. Return default if there's no matching UserTokenPolicy.

**server\_policy\_uri**(*token\_type*)

Find SecurityPolicyUri of server's UserTokenPolicy by token\_type. If SecurityPolicyUri is empty, use default SecurityPolicyUri of the endpoint

**set\_password**(*pwd*)

Set user password for the connection. initial password from the URL will be overwritten

**set\_security**(*policy, certificate\_path, private\_key\_path, server\_certificate\_path=None, mode=<MessageSecurityMode.SignAndEncrypt: 3>*)

Set SecureConnection mode. Call this before connect()

**set\_security\_string**(*string*)

Set SecureConnection mode. String format: Policy,Mode,certificate,private\_key[,server\_private\_key] where Policy is Basic128Rsa15 or Basic256,

Mode is Sign or SignAndEncrypt certificate, private\_key and server\_private\_key are

paths to .pem or .der files

Call this before connect()

**set\_user**(*username*)

Set user name for the connection. initial user from the URL will be overwritten

**class** opcua.client.ua\_client.**UaClient**(*timeout=1*)

low level OPC-UA client.

It implements (almost) all methods defined in opcua spec taking in argument the structures defined in opcua spec.

In this Python implementation most of the structures are defined in uaprotocol\_auto.py and uaprotocol\_hand.py available under opcua.ua

**activate\_session**(*parameters*)

**add\_nodes**(*nodestoadd*)

**add\_references**(*refs*)

**browse**(*parameters*)

**browse\_next**(*parameters*)

**call**(*methodstocall*)

**close\_secure\_channel**()

close secure channel. It seems to trigger a shutdown of socket in most servers, so be prepare to reconnect

**close\_session**(*deletesubscriptions*)

**connect\_socket**(*host, port*)

connect to server socket and start receiving thread

**create\_monitored\_items**(*params*)

**create\_session**(*parameters*)

**create\_subscription**(*params, callback*)

**delete\_monitored\_items**(*params*)

**delete\_nodes** (*params*)  
**delete\_references** (*refs*)  
**delete\_subscriptions** (*subscriptionids*)  
**disconnect\_socket** ()  
**find\_servers** (*params*)  
**find\_servers\_on\_network** (*params*)  
**get\_endpoints** (*params*)  
**history\_read** (*params*)  
**modify\_monitored\_items** (*params*)  
**open\_secure\_channel** (*params*)  
**publish** (*acks=None*)  
**read** (*parameters*)  
**register\_server** (*registered\_server*)  
**register\_server2** (*params*)  
**send\_hello** (*url, max\_messagesize=0, max\_chunkcount=0*)  
**set\_security** (*policy*)  
**translate\_browsepaths\_to\_nodeids** (*browsepaths*)  
**write** (*params*)



---

## High level Functions and Node Class

---

High level node object, to access node attribute and browse address space

**class** `opcua.common.node.Node` (*server, nodeid*)

High level node object, to access node attribute, browse and populate address space. Node objects are useful as-is but they do not expose the entire OPC-UA protocol. Feel free to look at the code of this class and call directly UA services methods to optimize your code

**get\_browse\_name** ()

Get browse name of a node. A browse name is a QualifiedName object composed of a string(name) and a namespace index.

**get\_display\_name** ()

get description attribute of node

**get\_data\_type** ()

get data type of node as NodeId

**get\_data\_type\_as\_variant\_type** ()

get data type of node as VariantType This only works if node is a variable, otherwise type may not be convertible to VariantType

**get\_access\_level** ()

Get the access level attribute of the node as a set of AccessLevel enum values.

**get\_user\_access\_level** ()

Get the user access level attribute of the node as a set of AccessLevel enum values.

**get\_event\_notifier** ()

Get the event notifier attribute of the node as a set of EventNotifier enum values.

**set\_event\_notifier** (*values*)

Set the event notifier attribute.

**Parameters** *values* – an iterable of EventNotifier enum values.

**get\_node\_class** ()

get node class attribute of node

**get\_description()**  
get description attribute class of node

**get\_value()**  
Get value of a node as a python type. Only variables ( and properties) have values. An exception will be generated for other node types. WARNING: on server side, this function returns a ref to object in ua database. Do not modify it if it is a mutable object unless you know what you are doing

**get\_data\_value()**  
Get value of a node as a DataValue object. Only variables (and properties) have values. An exception will be generated for other node types. DataValue contain a variable value as a variant as well as server and source timestamps

**set\_array\_dimensions(value)**  
Set attribute ArrayDimensions of node make sure it has the correct data type

**get\_array\_dimensions()**  
Read and return ArrayDimensions attribute of node

**set\_value\_rank(value)**  
Set attribute ArrayDimensions of node

**get\_value\_rank()**  
Read and return ArrayDimensions attribute of node

**set\_value(value, varianttype=None)**  
Set value of a node. Only variables(properties) have values. An exception will be generated for other node types. value argument is either: \* a python built-in type, converted to opc-ua optionnaly using the varianttype argument. \* a ua.Variant, varianttype is then ignored \* a ua.DataValue, you then have full control over data send to server WARNING: On server side, ref to object is directly saved in our UA db, if this is a mutable object and you modify it afterward, then the object in db will be modified without any data change event generated

**set\_data\_value(value, varianttype=None)**  
Set value of a node. Only variables(properties) have values. An exception will be generated for other node types. value argument is either: \* a python built-in type, converted to opc-ua optionnaly using the varianttype argument. \* a ua.Variant, varianttype is then ignored \* a ua.DataValue, you then have full control over data send to server WARNING: On server side, ref to object is directly saved in our UA db, if this is a mutable object and you modify it afterward, then the object in db will be modified without any data change event generated

**set\_writable(writable=True)**  
Set node as writable by clients. A node is always writable on server side.

**set\_attr\_bit(attr, bit)**

**unset\_attr\_bit(attr, bit)**

**set\_read\_only()**  
Set a node as read-only for clients. A node is always writable on server side.

**set\_attribute(attributeid, datavalue)**  
Set an attribute of a node attributeid is a member of ua.AttributeIds datavalue is a ua.DataValue object

**get\_attribute(attr)**  
Read one attribute of a node result code from server is checked and an exception is raised in case of error

**get\_attributes(attrs)**  
Read several attributes of a node list of DataValue is returned

**get\_children(refs=33, nodeclassmask=<NodeClass.Unspecified: 0>)**  
Get all children of a node. By default hierarchical references and all node classes are returned. Other

reference types may be given: References = 31 NonHierarchicalReferences = 32 HierarchicalReferences = 33 HasChild = 34 Organizes = 35 HasEventSource = 36 HasModellingRule = 37 HasEncoding = 38 HasDescription = 39 HasTypeDefinition = 40 GeneratesEvent = 41 Aggregates = 44 HasSubtype = 45 HasProperty = 46 HasComponent = 47 HasNotifier = 48 HasOrderedComponent = 49

**get\_properties()**

return properties of node. properties are child nodes with a reference of type HasProperty and a NodeClass of Variable

**get\_variables()**

return variables of node. properties are child nodes with a reference of type HasComponent and a NodeClass of Variable

**get\_methods()**

return methods of node. properties are child nodes with a reference of type HasComponent and a NodeClass of Method

**get\_children\_descriptions** (*refs=33, nodeclassmask=<NodeClass.Unspecified: 0>, includesubtypes=True*)**get\_encoding\_refs()****get\_description\_refs()****get\_references** (*refs=31, direction=<BrowseDirection.Both: 2>, nodeclassmask=<NodeClass.Unspecified: 0>, includesubtypes=True*)

returns references of the node based on specific filter defined with:

refs = ObjectId of the Reference direction = Browse direction for references nodeclassmask = filter nodes based on specific class includesubtypes = If true subtypes of the reference (ref) are also included

**get\_referenced\_nodes** (*refs=31, direction=<BrowseDirection.Both: 2>, nodeclassmask=<NodeClass.Unspecified: 0>, includesubtypes=True*)

returns referenced nodes based on specific filter Parameters are the same as for get\_references

**get\_type\_definition()**

returns type definition of the node.

**get\_path** (*max\_length=20, as\_string=False*)

Attempt to find path of node from root node and return it as a list of Nodes. There might several possible paths to a node, this function will return one Some nodes may be missing references, so this method may return an empty list Since address space may have circular references, a max length is specified

**get\_parent()**

returns parent of the node. A Node may have several parents, the first found is returned. This method uses reverse references, a node might be missing such a link, thus we will not find its parent.

**get\_child** (*path*)

get a child specified by its path from this node. A path might be: \* a string representing a qualified name.  
\* a qualified name \* a list of string \* a list of qualified names

**read\_raw\_history** (*starttime=None, endtime=None, numvalues=0*)

Read raw history of a node result code from server is checked and an exception is raised in case of error If numvalues is > 0 and number of events in period is > numvalues then result will be truncated

**history\_read** (*details*)

Read raw history of a node, low-level function result code from server is checked and an exception is raised in case of error

**read\_event\_history** (*starttime=None, endtime=None, numvalues=0, evtypes=2041*)

Read event history of a source node result code from server is checked and an exception is raised in case of error If numvalues is > 0 and number of events in period is > numvalues then result will be truncated

**history\_read\_events** (*details*)

Read event history of a node, low-level function result code from server is checked and an exception is raised in case of error

**delete** (*delete\_references=True, recursive=False*)

Delete node from address space

**delete\_reference** (*target, reftype, forward=True, bidirectional=True*)

Delete given node's references from address space

**add\_reference** (*target, reftype, forward=True, bidirectional=True*)

Add reference to node

**set\_modelling\_rule** (*mandatory*)

Add a modelling rule reference to Node. When creating a new object type, its variable and child nodes will not be instantiated if they do not have modelling rule if mandatory is None, the modelling rule is removed

**add\_folder** (*nodeid, bname*)**add\_object** (*nodeid, bname, objecttype=None*)**add\_variable** (*nodeid, bname, val, varianttype=None, datatype=None*)**add\_object\_type** (*nodeid, bname*)**add\_variable\_type** (*nodeid, bname, datatype*)**add\_data\_type** (*nodeid, bname, description=None*)**add\_property** (*nodeid, bname, val, varianttype=None, datatype=None*)**add\_method** (*\*args*)**add\_reference\_type** (*nodeid, bname, symmetric=True, inversename=None*)**call\_method** (*methodid, \*args*)

High level functions to create nodes

`opcua.common.manage_nodes.create_data_type` (*parent, nodeid, bname, description=None*)

Create a new data type to be used in new variables, etc .. arguments are nodeid, browsename or namespace index, name

`opcua.common.manage_nodes.create_folder` (*parent, nodeid, bname*)

create a child node folder arguments are nodeid, browsename or namespace index, name

`opcua.common.manage_nodes.create_method` (*parent, \*args*)

create a child method object This is only possible on server side!! args are nodeid, browsename, method\_to\_be\_called, [input argument types], [output argument types] or idx, name, method\_to\_be\_called, [input argument types], [output argument types] if argument types is specified, child nodes advertising what arguments the method uses and returns will be created a callback is a method accepting the nodeid of the parent as first argument and variants after. returns a list of variants

`opcua.common.manage_nodes.create_object` (*parent, nodeid, bname, objecttype=None*)

create a child node object arguments are nodeid, browsename, [objecttype] or namespace index, name, [objecttype] if objecttype is given (a NodeId) then the type node is instantiated inclusive its child nodes

`opcua.common.manage_nodes.create_object_type` (*parent, nodeid, bname*)

Create a new object type to be instantiated in address space. arguments are nodeid, browsename or namespace index, name

`opcua.common.manage_nodes.create_property` (*parent, nodeid, bname, val, varianttype=None, datatype=None*)

create a child node property args are nodeid, browsename, value, [variant type] or idx, name, value, [variant type]

`opcua.common.manage_nodes.create_reference_type` (*parent, nodeid, bname, symmetric=True, inversename=None*)

Create a new reference type args are nodeid and browsename or idx and name

`opcua.common.manage_nodes.create_variable` (*parent, nodeid, bname, val, varianttype=None, datatype=None*)

create a child node variable args are nodeid, browsename, value, [variant type], [data type] or idx, name, value, [variant type], [data type]

`opcua.common.manage_nodes.create_variable_type` (*parent, nodeid, bname, datatype*)

Create a new variable type args are nodeid, browsename and datatype or idx, name and data type

`opcua.common.manage_nodes.delete_nodes` (*server, nodes, recursive=False, delete\_target\_references=True*)

Delete specified nodes. Optionally delete recursively all nodes with a downward hierachic references to the node

#### High level method related functions

`opcua.common.methods.call_method` (*parent, methodid, \*args*)

Call an OPC-UA method. methodid is browse name of child method or the nodeid of method as a NodeId object arguments are variants or python object convertible to variants. which may be of different types returns a list of values or a single value depending on the output of the method

`opcua.common.methods.call_method_full` (*parent, methodid, \*args*)

Call an OPC-UA method. methodid is browse name of child method or the nodeid of method as a NodeId object arguments are variants or python object convertible to variants. which may be of different types returns a CallMethodResult object with converted OutputArguments

`opcua.common.methods.to_variant` (*\*args*)

`opcua.common.methods.uamethod` (*func*)

Method decorator to automatically convert arguments and output to and from variants



## Subscription Class

**class** `opcua.common.subscription.Subscription` (*server, params, handler*)

Subscription object returned by Server or Client objects. The object represent a subscription to an opc-ua server. This is a high level class, especially `subscribe_data_change` and `subscribe_events` methods. If more control is necessary look at code and/or use `create_monitored_items` method.

**create\_monitored\_items** (*monitored\_items*)

low level method to have full control over subscription parameters Client handle must be unique since it will be used as key for internal registration of data

**deadband\_monitor** (*var, deadband\_val, deadbandtype=1, queuesize=0, attr=<AttributeIds.Value: 13>*)

Method to create a subscription with a Deadband Value. Default deadband value type is absolute. Return a handle which can be used to unsubscribe :param var: Variable to which you want to subscribe :param deadband\_val: Absolute float value :param deadbandtype: Default value is 1 (absolute), change to 2 for percentage deadband :param queuesize: Wanted queue size, default is 1

**delete** ()

Delete subscription on server. This is automatically done by Client and Server classes on exit

**modify\_monitored\_item** (*handle, new\_samp\_time, new\_queuesize=0, mod\_filter\_val=-1*)

Modify a monitored item. :param handle: Handle returned when originally subscribing :param new\_samp\_time: New wanted sample time :param new\_queuesize: New wanted queuesize, default is 0 :param mod\_filter\_val: New deadband filter value :return: Return a Modify Monitored Item Result

**publish\_callback** (*publishresult*)

**subscribe\_data\_change** (*nodes, attr=<AttributeIds.Value: 13>, queuesize=0*)

Subscribe for data change events for a node or list of nodes. default attribute is Value. Return a handle which can be used to unsubscribe If more control is necessary use `create_monitored_items` method

**subscribe\_events** (*sourcenode=2253, evtypes=2041, evfilter=None, queuesize=0*)

Subscribe to events from a node. Default node is Server node. In most servers the server node is the only one you can subscribe to. if `evtypes` is not provided, `evtype` defaults to `BaseEventType` if `evtypes` is a list or tuple of custom event types, the events will be filtered to the supplied types Return a handle which can be used to unsubscribe

**unsubscribe** (*handle*)

unsubscribe to datachange or events using the handle returned while subscribing if you delete subscription, you do not need to unsubscribe



## 5.1 Subpackages

### 5.1.1 opcua.client package

#### Submodules

#### opcua.client.client module

**class** `opcua.client.client.Client` (*url, timeout=4*)

Bases: `object`

High level client to connect to an OPC-UA server.

This class makes it easy to connect and browse address space. It attempts to expose as much functionality as possible but if you want more flexibility it is possible and advised to use `UaClient` object, available as `self.uaclient` which offers the raw OPC-UA services interface.

**activate\_session** (*username=None, password=None, certificate=None*)

Activate session using either username and password or private\_key

**close\_secure\_channel** ()

**close\_session** ()

Close session

**connect** ()

High level method Connect, create and activate session

**connect\_and\_find\_servers** ()

Connect, ask server for a list of known servers, and disconnect

**connect\_and\_find\_servers\_on\_network** ()

Connect, ask server for a list of known servers on network, and disconnect

**connect\_and\_get\_server\_endpoints** ()  
 Connect, ask server for endpoints, and disconnect

**connect\_socket** ()  
 connect to socket defined in url

**create\_session** ()  
 send a CreateSessionRequest to server with reasonable parameters. If you want o modify settings look at code of this methods and make your own

**create\_subscription** (*period, handler*)  
 Create a subscription. returns a Subscription object which allow to subscribe to events or data on server handler argument is a class with data\_change and/or event methods. period argument is either a publishing interval in milliseconds or a CreateSubscriptionParameters instance. The second option should be used, if the opcua-server has problems with the default options. These methods will be called when notification from server are received. See example-client.py. Do not do expensive/slow or network operation from these methods since they are called directly from receiving thread. This is a design choice, start another thread if you need to do such a thing.

**delete\_nodes** (*nodes, recursive=False*)

**disconnect** ()  
 High level method Close session, secure channel and socket

**disconnect\_socket** ()

**export\_xml** (*nodes, path*)  
 Export defined nodes to xml

**static find\_endpoint** (*endpoints, security\_mode, policy\_uri*)  
 Find endpoint with required security mode and policy URI

**find\_servers** (*uris=None*)  
 send a FindServer request to the server. The answer should be a list of servers the server knows about A list of uris can be provided, only server having matching uris will be returned

**find\_servers\_on\_network** ()

**get\_endpoints** ()

**get\_namespace\_array** ()

**get\_namespace\_index** (*uri*)

**get\_node** (*nodeid*)  
 Get node using NodeId object or a string representing a NodeId

**get\_objects\_node** ()

**get\_root\_node** ()

**get\_server\_node** ()

**import\_xml** (*path=None, xmlstring=None*)  
 Import nodes defined in xml

**load\_client\_certificate** (*path*)  
 load our certificate from file, either pem or der

**load\_enums** ()  
 generate Python enums for custom enums on server. This enums will be available in ua module

**load\_private\_key** (*path*)  
 Load user private key. This is used for authenticating using certificate

**load\_type\_definitions** (*nodes=None*)  
 Load custom types (custom structures/extension objects) definition from server Generate Python classes for custom structures/extension objects defined in server These classes will available in ua module

**open\_secure\_channel** (*renew=False*)  
 Open secure channel, if renew is True, renew channel

**register\_namespace** (*uri*)  
 Register a new namespace. Nodes should in custom namespace, not 0. This method is mainly implemented for symetry with server

**register\_server** (*server, discovery\_configuration=None*)  
 register a server to discovery server if discovery\_configuration is provided, the newer register\_server2 service call is used

**send\_hello** ()  
 Send OPC-UA hello to server

**server\_policy\_id** (*token\_type, default*)  
 Find PolicyId of server's UserTokenPolicy by token\_type. Return default if there's no matching UserTokenPolicy.

**server\_policy\_uri** (*token\_type*)  
 Find SecurityPolicyUri of server's UserTokenPolicy by token\_type. If SecurityPolicyUri is empty, use default SecurityPolicyUri of the endpoint

**set\_password** (*pwd*)  
 Set user password for the connection. initial password from the URL will be overwritten

**set\_security** (*policy, certificate\_path, private\_key\_path, server\_certificate\_path=None, mode=<MessageSecurityMode.SignAndEncrypt: 3>*)  
 Set SecureConnection mode. Call this before connect()

**set\_security\_string** (*string*)  
 Set SecureConnection mode. String format: Policy,Mode,certificate,private\_key[,server\_private\_key] where Policy is Basic128Rsa15 or Basic256,  
 Mode is Sign or SignAndEncrypt certificate, private\_key and server\_private\_key are paths to .pem or .der files  
 Call this before connect()

**set\_user** (*username*)  
 Set user name for the connection. initial user from the URL will be overwritten

**class** opcua.client.client.**KeepAlive** (*client, timeout*)  
 Bases: threading.Thread  
 Used by Client to keep the session open. OPCUA defines timeout both for sessions and secure channel

**run** ()  
 Method representing the thread's activity.  
 You may override this method in a subclass. The standard run() method invokes the callable object passed to the object's constructor as the target argument, if any, with sequential and keyword arguments taken from the args and kwargs arguments, respectively.

**stop** ()

## opcua.client.ua\_client module

Low level binary client

```
class opcua.client.ua_client.UASocketClient (timeout=1, security_policy=<opcua.ua.uaprotocol_hand.SecurityPolicy object>)
```

Bases: object

handle socket connection and send ua messages timeout is the timeout used while waiting for an ua answer from server

**check\_answer** (data, context)

**close\_secure\_channel** ()

close secure channel. It seems to trigger a shutdown of socket in most servers, so be prepare to reconnect. OPC UA specs Part 6, 7.1.4 say that Server does not send a CloseSecureChannel response and should just close socket

**connect\_socket** (host, port)

connect to server socket and start receiving thread

**disconnect\_socket** ()

**open\_secure\_channel** (params)

**send\_hello** (url, max\_message\_size=0, max\_chunkcount=0)

**send\_request** (request, callback=None, timeout=1000, message\_type=b'MSG')

send request to server. timeout is the timeout written in ua header returns response object if no callback is provided

**start** ()

Start receiving thread. this is called automatically in connect and should not be necessary to call directly

```
class opcua.client.ua_client.UaClient (timeout=1)
```

Bases: object

low level OPC-UA client.

It implements (almost) all methods defined in opcua spec taking in argument the structures defined in opcua spec.

In this Python implementation most of the structures are defined in uaprotocol\_auto.py and uaprotocol\_hand.py available under opcua.ua

**activate\_session** (parameters)

**add\_nodes** (nodestoadd)

**add\_references** (refs)

**browse** (parameters)

**browse\_next** (parameters)

**call** (methodstocall)

**close\_secure\_channel** ()

close secure channel. It seems to trigger a shutdown of socket in most servers, so be prepare to reconnect

**close\_session** (deletesubscriptions)

**connect\_socket** (host, port)

connect to server socket and start receiving thread

```
create_monitored_items (params)  
create_session (parameters)  
create_subscription (params, callback)  
delete_monitored_items (params)  
delete_nodes (params)  
delete_references (refs)  
delete_subscriptions (subscriptionids)  
disconnect_socket ()  
find_servers (params)  
find_servers_on_network (params)  
get_endpoints (params)  
history_read (params)  
modify_monitored_items (params)  
open_secure_channel (params)  
publish (acks=None)  
read (parameters)  
register_server (registered_server)  
register_server2 (params)  
send_hello (url, max_message_size=0, max_chunkcount=0)  
set_security (policy)  
translate_browsepaths_to_nodeids (browsepaths)  
write (params)
```

## Module contents

### 5.1.2 opcua.common package

#### Submodules

##### `opcua.common.event` module

##### `opcua.common.instantiate` module

##### `opcua.common.manage_nodes` module

High level functions to create nodes

```
opcua.common.manage_nodes.create_data_type (parent, nodeid, bname, description=None)  
Create a new data type to be used in new variables, etc .. arguments are nodeid, browsename or namespace  
index, name
```

```
opcua.common.manage_nodes.create_folder (parent, nodeid, bname)  
create a child node folder arguments are nodeid, browsename or namespace index, name
```

`opcua.common.manage_nodes.create_method` (*parent, \*args*)  
create a child method object This is only possible on server side!! args are nodeid, browsename, method\_to\_be\_called, [input argument types], [output argument types] or idx, name, method\_to\_be\_called, [input argument types], [output argument types] if argument types is specified, child nodes advertising what arguments the method uses and returns will be created a callback is a method accepting the nodeid of the parent as first argument and variants after. returns a list of variants

`opcua.common.manage_nodes.create_object` (*parent, nodeid, bname, objecttype=None*)  
create a child node object arguments are nodeid, browsename, [objecttype] or namespace index, name, [object-type] if objecttype is given (a NodeId) then the type node is instantiated inclusive its child nodes

`opcua.common.manage_nodes.create_object_type` (*parent, nodeid, bname*)  
Create a new object type to be instantiated in address space. arguments are nodeid, browsename or namespace index, name

`opcua.common.manage_nodes.create_property` (*parent, nodeid, bname, val, varianttype=None, datatype=None*)  
create a child node property args are nodeid, browsename, value, [variant type] or idx, name, value, [variant type]

`opcua.common.manage_nodes.create_reference_type` (*parent, nodeid, bname, symmetric=True, inversename=None*)  
Create a new reference type args are nodeid and browsename or idx and name

`opcua.common.manage_nodes.create_variable` (*parent, nodeid, bname, val, varianttype=None, datatype=None*)  
create a child node variable args are nodeid, browsename, value, [variant type], [data type] or idx, name, value, [variant type], [data type]

`opcua.common.manage_nodes.create_variable_type` (*parent, nodeid, bname, datatype*)  
Create a new variable type args are nodeid, browsename and datatype or idx, name and data type

`opcua.common.manage_nodes.delete_nodes` (*server, nodes, recursive=False, delete\_target\_references=True*)  
Delete specified nodes. Optionally delete recursively all nodes with a downward hierachic references to the node

## opcua.common.methods module

High level method related functions

`opcua.common.methods.call_method` (*parent, methodid, \*args*)  
Call an OPC-UA method. methodid is browse name of child method or the nodeid of method as a NodeId object arguments are variants or python object convertible to variants. which may be of different types returns a list of values or a single value depending on the output of the method

`opcua.common.methods.call_method_full` (*parent, methodid, \*args*)  
Call an OPC-UA method. methodid is browse name of child method or the nodeid of method as a NodeId object arguments are variants or python object convertible to variants. which may be of different types returns a CallMethodResult object with converted OutputArguments

`opcua.common.methods.to_variant` (*\*args*)

`opcua.common.methods.uamethod` (*func*)  
Method decorator to automatically convert arguments and output to and from variants

## opcua.common.node module

High level node object, to access node attribute and browse address space

```

class opcua.common.node.Node(server, nodeid)
    Bases: object

    High level node object, to access node attribute, browse and populate address space. Node objects are usefull
    as-is but they do not expose the entire OPC-UA protocol. Feel free to look at the code of this class and call
    directly UA services methods to optimize your code

    add_data_type(nodeid, bname, description=None)

    add_folder(nodeid, bname)

    add_method(*args)

    add_object(nodeid, bname, objecttype=None)

    add_object_type(nodeid, bname)

    add_property(nodeid, bname, val, varianttype=None, datatype=None)

    add_reference(target, reftype, forward=True, bidirectional=True)
        Add reference to node

    add_reference_type(nodeid, bname, symmetric=True, inversename=None)

    add_variable(nodeid, bname, val, varianttype=None, datatype=None)

    add_variable_type(nodeid, bname, datatype)

    call_method(methodid, *args)

    delete(delete_references=True, recursive=False)
        Delete node from address space

    delete_reference(target, reftype, forward=True, bidirectional=True)
        Delete given node's references from address space

    get_access_level()
        Get the access level attribute of the node as a set of AccessLevel enum values.

    get_array_dimensions()
        Read and return ArrayDimensions attribute of node

    get_attribute(attr)
        Read one attribute of a node result code from server is checked and an exception is raised in case of error

    get_attributes(attrs)
        Read several attributes of a node list of DataValue is returned

    get_browse_name()
        Get browse name of a node. A browse name is a QualifiedName object composed of a string(name) and a
        namespace index.

    get_child(path)
        get a child specified by its path from this node. A path might be:
        * a string representing a qualified name.
        * a qualified name
        * a list of string
        * a list of qualified names

    get_children(refs=33, nodeclassmask=<NodeClass.Unspecified: 0>)
        Get all children of a node. By default hierarchical references and all node classes are returned. Other
        reference types may be given: References = 31 NonHierarchicalReferences = 32 HierarchicalReferences
        = 33 HasChild = 34 Organizes = 35 HasEventSource = 36 HasModellingRule = 37 HasEncoding = 38
        HasDescription = 39 HasTypeDefinition = 40 GeneratesEvent = 41 Aggregates = 44 HasSubtype = 45
        HasProperty = 46 HasComponent = 47 HasNotifier = 48 HasOrderedComponent = 49

    get_children_descriptions(refs=33, nodeclassmask=<NodeClass.Unspecified: 0>, in-
        cludesubtypes=True)

```

**get\_data\_type()**  
get data type of node as NodeId

**get\_data\_type\_as\_variant\_type()**  
get data type of node as VariantType This only works if node is a variable, otherwise type may not be convertible to VariantType

**get\_data\_value()**  
Get value of a node as a DataValue object. Only variables (and properties) have values. An exception will be generated for other node types. DataValue contain a variable value as a variant as well as server and source timestamps

**get\_description()**  
get description attribute class of node

**get\_description\_refs()**

**get\_display\_name()**  
get description attribute of node

**get\_encoding\_refs()**

**get\_event\_notifier()**  
Get the event notifier attribute of the node as a set of EventNotifier enum values.

**get\_methods()**  
return methods of node. properties are child nodes with a reference of type HasComponent and a NodeClass of Method

**get\_node\_class()**  
get node class attribute of node

**get\_parent()**  
returns parent of the node. A Node may have several parents, the first found is returned. This method uses reverse references, a node might be missing such a link, thus we will not find its parent.

**get\_path(max\_length=20, as\_string=False)**  
Attempt to find path of node from root node and return it as a list of Nodes. There might several possible paths to a node, this function will return one Some nodes may be missing references, so this method may return an empty list Since address space may have circular references, a max length is specified

**get\_properties()**  
return properties of node. properties are child nodes with a reference of type HasProperty and a NodeClass of Variable

**get\_referenced\_nodes(refs=31, direction=<BrowseDirection.Both: 2>, nodeclassmask=<NodeClass.Unspecified: 0>, includesubtypes=True)**  
returns referenced nodes based on specific filter Parameters are the same as for get\_references

**get\_references(refs=31, direction=<BrowseDirection.Both: 2>, nodeclassmask=<NodeClass.Unspecified: 0>, includesubtypes=True)**  
returns references of the node based on specific filter defined with:  
  
refs = ObjectId of the Reference  
direction = Browse direction for references  
nodeclassmask = filter nodes based on specific class  
includesubtypes = If true subtypes of the reference (ref) are also included

**get\_type\_definition()**  
returns type definition of the node.

**get\_user\_access\_level()**  
Get the user access level attribute of the node as a set of AccessLevel enum values.



**get\_value()**

Get value of a node as a python type. Only variables ( and properties) have values. An exception will be generated for other node types. WARNING: on server side, this function returns a ref to object in ua database. Do not modify it if it is a mutable object unless you know what you are doing

**get\_value\_rank()**

Read and return ArrayDimensions attribute of node

**get\_variables()**

return variables of node. properties are child nodes with a reference of type HasComponent and a Node-Class of Variable

**history\_read(details)**

Read raw history of a node, low-level function result code from server is checked and an exception is raised in case of error

**history\_read\_events(details)**

Read event history of a node, low-level function result code from server is checked and an exception is raised in case of error

**read\_event\_history(starttime=None, endtime=None, numvalues=0, evtypes=2041)**

Read event history of a source node result code from server is checked and an exception is raised in case of error If numvalues is > 0 and number of events in period is > numvalues then result will be truncated

**read\_raw\_history(starttime=None, endtime=None, numvalues=0)**

Read raw history of a node result code from server is checked and an exception is raised in case of error If numvalues is > 0 and number of events in period is > numvalues then result will be truncated

**set\_array\_dimensions(value)**

Set attribute ArrayDimensions of node make sure it has the correct data type

**set\_attr\_bit(attr, bit)****set\_attribute(attributeid, datavalue)**

Set an attribute of a node attributeid is a member of ua.AttributeIds datavalue is a ua.DataValue object

**set\_data\_value(value, varianttype=None)**

Set value of a node. Only variables(properties) have values. An exception will be generated for other node types. value argument is either: \* a python built-in type, converted to opc-ua optionnaly using the varianttype argument. \* a ua.Variant, varianttype is then ignored \* a ua.DataValue, you then have full control over data send to server WARNING: On server side, ref to object is directly saved in our UA db, if this is a mutable object and you modify it afterward, then the object in db will be modified without any data change event generated

**set\_event\_notifier(values)**

Set the event notifier attribute.

**Parameters values** – an iterable of EventNotifier enum values.

**set\_modelling\_rule(mandatory)**

Add a modelling rule reference to Node. When creating a new object type, its variable and child nodes will not be instantiated if they do not have modelling rule if mandatory is None, the modelling rule is removed

**set\_read\_only()**

Set a node as read-only for clients. A node is always writable on server side.

**set\_value(value, varianttype=None)**

Set value of a node. Only variables(properties) have values. An exception will be generated for other node types. value argument is either: \* a python built-in type, converted to opc-ua optionnaly using the varianttype argument. \* a ua.Variant, varianttype is then ignored \* a ua.DataValue, you then have full control over data send to server WARNING: On server side, ref to object is directly saved in our UA db,

if this is a mutable object and you modify it afterward, then the object in db will be modified without any data change event generated

**set\_value\_rank** (*value*)

Set attribute ArrayDimensions of node

**set\_writable** (*writable=True*)

Set node as writable by clients. A node is always writable on server side.

**unset\_attr\_bit** (*attr, bit*)

## opcua.common.subscription module

high level interface to subscriptions

**class** `opcua.common.subscription.DataChangeNotif` (*subscription\_data, monitored\_item*)

Bases: object

To be send to clients for every datachange notification from server

**class** `opcua.common.subscription.SubHandler`

Bases: object

Subscription Handler. To receive events from server for a subscription This class is just a sample class. Whatever class having these methods can be used

**data\_change** (*handle, node, val, attr*)

Deprecated, use datachange\_notification

**datachange\_notification** (*node, val, data*)

called for every datachange notification from server

**event\_notification** (*event*)

called for every event notification from server

**status\_change\_notification** (*status*)

called for every status change notification from server

**class** `opcua.common.subscription.Subscription` (*server, params, handler*)

Bases: object

Subscription object returned by Server or Client objects. The object represent a subscription to an opc-ua server. This is a high level class, especially `subscribe_data_change` and `subscribe_events` methods. If more control is necessary look at code and/or use `create_monitored_items` method.

**create\_monitored\_items** (*monitored\_items*)

low level method to have full control over subscription parameters Client handle must be unique since it will be used as key for internal registration of data

**deadband\_monitor** (*var, deadband\_val, deadbandtype=1, queuesize=0, attr=<AttributeIds.Value: 13>*)

Method to create a subscription with a Deadband Value. Default deadband value type is absolute. Return a handle which can be used to unsubscribe :param var: Variable to which you want to subscribe :param deadband\_val: Absolute float value :param deadbandtype: Default value is 1 (absolute), change to 2 for percentage deadband :param queuesize: Wanted queue size, default is 1

**delete** ()

Delete subscription on server. This is automatically done by Client and Server classes on exit

**modify\_monitored\_item** (*handle, new\_samp\_time, new\_queuesize=0, mod\_filter\_val=-1*)

Modify a monitored item. :param handle: Handle returned when originally subscribing :param

new\_samp\_time: New wanted sample time :param new\_queue\_size: New wanted queue size, default is 0 :param mod\_filter\_val: New deadband filter value :return: Return a Modify Monitored Item Result

**publish\_callback** (*publishresult*)

**subscribe\_data\_change** (*nodes, attr=<AttributeIds.Value: 13>, queue\_size=0*)

Subscribe for data change events for a node or list of nodes. default attribute is Value. Return a handle which can be used to unsubscribe If more control is necessary use `create_monitored_items` method

**subscribe\_events** (*sourcenode=2253, evtypes=2041, evfilter=None, queue\_size=0*)

Subscribe to events from a node. Default node is Server node. In most servers the server node is the only one you can subscribe to. if *evtypes* is not provided, *evtype* defaults to `BaseEventType` if *evtypes* is a list or tuple of custom event types, the events will be filtered to the supplied types Return a handle which can be used to unsubscribe

**unsubscribe** (*handle*)

unsubscribe to data change or events using the handle returned while subscribing if you delete subscription, you do not need to unsubscribe

**class** `opcua.common.subscription.SubscriptionItemData`

Bases: `object`

To store useful data from a monitored item

## opcua.common.uaerrors module

## opcua.common.utils module

Helper function and classes that do not rely on opcua library. Helper function and classes depending on ua object are in `ua_utils.py`

**class** `opcua.common.utils.Buffer` (*data, start\_pos=0, size=-1*)

Bases: `object`

alternative to `io.BytesIO` making debug easier and added a few convenience methods

**copy** (*size=-1*)

return a shadow copy, optionnaly only copy 'size' bytes

**read** (*size*)

read and pop number of bytes for buffer

**skip** (*size*)

skip size bytes in buffer

**exception** `opcua.common.utils.NotEnoughData`

Bases: `opcua.ua.uaerrors._base.UaError`

**exception** `opcua.common.utils.ServiceError` (*code*)

Bases: `opcua.ua.uaerrors._base.UaError`

**exception** `opcua.common.utils.SocketClosedException`

Bases: `opcua.ua.uaerrors._base.UaError`

**class** `opcua.common.utils.SocketWrapper` (*sock*)

Bases: `object`

wrapper to make it possible to have same api for normal sockets, socket from `asyncio`, `StringIO`, etc....

**read** (*size*)

Receive up to size bytes from socket

```
write (data)
```

**class** opcua.common.utils.**ThreadLoop**  
Bases: threading.Thread

run an asyncio loop in a thread

```
call_later (delay, callback)  
    threadsafe call_later from asyncio
```

```
call_soon (callback)
```

```
create_server (proto, hostname, port)
```

```
create_task (coro, cb=None)  
    threadsafe create_task from asyncio
```

```
run ()  
    Method representing the thread's activity.
```

You may override this method in a subclass. The standard run() method invokes the callable object passed to the object's constructor as the target argument, if any, with sequential and keyword arguments taken from the args and kwargs arguments, respectively.

```
run_coro_and_wait (coro)
```

```
run_until_complete (coro)  
    threadsafe run_until_completed from asyncio
```

```
start ()  
    Start the thread's activity.
```

It must be called at most once per thread object. It arranges for the object's run() method to be invoked in a separate thread of control.

This method will raise a RuntimeError if called more than once on the same thread object.

```
stop ()  
    stop subscription loop, thus the subscription thread
```

```
opcua.common.utils.create_nonce (size=32)
```

## opcua.common.xmlimporter module

add nodes defined in XML to address space format is the one from opc-ua specification

```
class opcua.common.xmlimporter.XmlImporter (server)  
    Bases: object
```

```
add_datatype (obj)
```

```
add_method (obj)
```

```
add_object (obj)
```

```
add_object_type (obj)
```

```
add_reference_type (obj)
```

```
add_variable (obj)
```

```
add_variable_type (obj)
```

```
import_xml (xmlpath=None, xmlstring=None)  
    import xml and return added nodes
```

```
make_objects (node_datas)
to_nodeid (nodeid)
```

## opcua.common.xmlparser module

parse xml file from opcua-spec

```
class opcua.common.xmlparser.ExtObj
    Bases: object

class opcua.common.xmlparser.NodeData
    Bases: object

class opcua.common.xmlparser.RefStruct
    Bases: object

class opcua.common.xmlparser.XMLParser (xmlpath=None, xmlstring=None)
    Bases: object

    get_aliases ()
        Return the used node aliases in this import file

    get_node_datas ()

    get_used_namespaces ()
        Return the used namespace uris in this import file

opcua.common.xmlparser.ua_type_to_python (val, uatype_as_str)
    Converts a string value to a python value according to ua_utils.
```

## Module contents

### 5.1.3 opcua.crypto package

#### Submodules

#### opcua.crypto.security\_policies module

```
class opcua.crypto.security_policies.Cryptography (mode=<MessageSecurityMode.Sign:
    2>)
    Bases: opcua.ua.uaprotocol_hand.CryptographyNone
    Security policy: Sign or SignAndEncrypt

    decrypt (data)

    encrypt (data)

    encrypted_block_size ()
        Size of encrypted text block for block cipher.

    min_padding_size ()

    padding (size)
        Create padding for a block of given size. plain_size = size + len(padding) + signature_size() plain_size =
        N * plain_block_size()

    plain_block_size ()
        Size of plain text block for block cipher.
```

```
    remove_padding (data)
    signature (data)
    signature_size ()
    verify (data, sig)
        Verify signature and raise exception if signature is invalid
    vsignature_size ()

class opcua.crypto.security_policies.Decryptor
    Bases: object

    Abstract base class for decryption algorithm

    decrypt (data)
    encrypted_block_size ()
    plain_block_size ()

class opcua.crypto.security_policies.DecryptorAesCbc (key, init_vec)
    Bases: opcua.crypto.security_policies.Decryptor

    decrypt (data)
    encrypted_block_size ()
    plain_block_size ()

class opcua.crypto.security_policies.DecryptorRsa (client_pk, dec_fn, padding_size)
    Bases: opcua.crypto.security_policies.Decryptor

    decrypt (data)
    encrypted_block_size ()
    plain_block_size ()

class opcua.crypto.security_policies.Encryptor
    Bases: object

    Abstract base class for encryption algorithm

    encrypt (data)
    encrypted_block_size ()
    plain_block_size ()

class opcua.crypto.security_policies.EncryptorAesCbc (key, init_vec)
    Bases: opcua.crypto.security_policies.Encryptor

    encrypt (data)
    encrypted_block_size ()
    plain_block_size ()

class opcua.crypto.security_policies.EncryptorRsa (server_cert, enc_fn, padding_size)
    Bases: opcua.crypto.security_policies.Encryptor

    encrypt (data)
    encrypted_block_size ()
    plain_block_size ()
```

```
class opcua.crypto.security_policies.SecurityPolicyBasic128Rsa15(server_cert,  
                                                                client_cert,  
                                                                client_pk,  
                                                                mode)
```

Bases: *opcua.ua.uaproTOCOL\_hand.SecurityPolicy*

Security Basic 128Rsa15 A suite of algorithms that uses RSA15 as Key-Wrap-algorithm and 128-Bit (16 bytes) for encryption algorithms. - SymmetricSignatureAlgorithm - HmacSha1

(<http://www.w3.org/2000/09/xmlsig#hmac-sha1>)

- SymmetricEncryptionAlgorithm - Aes128 (<http://www.w3.org/2001/04/xmlenc#aes128-cbc>)
- AsymmetricSignatureAlgorithm - RsaSha1 (<http://www.w3.org/2000/09/xmlsig#rsa-sha1>)
- AsymmetricKeyWrapAlgorithm - KwRsa15 ([http://www.w3.org/2001/04/xmlenc#rsa-1\\_5](http://www.w3.org/2001/04/xmlenc#rsa-1_5))
- AsymmetricEncryptionAlgorithm - Rsa15 ([http://www.w3.org/2001/04/xmlenc#rsa-1\\_5](http://www.w3.org/2001/04/xmlenc#rsa-1_5))
- KeyDerivationAlgorithm - PSha1 ([http://docs.oasis-open.org/ws-sx/ws-secureconversation/200512/dk/p\\_sha1](http://docs.oasis-open.org/ws-sx/ws-secureconversation/200512/dk/p_sha1))
- DerivedSignatureKeyLength - 128 (16 bytes)
- MinAsymmetricKeyLength - 1024 (128 bytes)
- MaxAsymmetricKeyLength - 2048 (256 bytes)
- CertificateSignatureAlgorithm - Sha1

If a certificate or any certificate in the chain is not signed with a hash that is Sha1 or stronger then the certificate shall be rejected.

```
AsymmetricEncryptionURI = 'http://www.w3.org/2001/04/xmlenc#rsa-1_5'
```

```
URI = 'http://opcfoundation.org/UA/SecurityPolicy#Basic128Rsa15'
```

```
static encrypt_asymmetric(pubkey, data)
```

```
make_symmetric_key(nonce1, nonce2)
```

```
signature_key_size = 16
```

```
symmetric_key_size = 16
```

```
class opcua.crypto.security_policies.SecurityPolicyBasic256(server_cert,  
                                                                client_cert,  
                                                                client_pk, mode)
```

Bases: *opcua.ua.uaproTOCOL\_hand.SecurityPolicy*

Security Basic 256 A suite of algorithms that are for 256-Bit (32 bytes) encryption, algorithms include: - SymmetricSignatureAlgorithm - HmacSha1

(<http://www.w3.org/2000/09/xmlsig#hmac-sha1>)

- SymmetricEncryptionAlgorithm - Aes256 (<http://www.w3.org/2001/04/xmlenc#aes256-cbc>)
- AsymmetricSignatureAlgorithm - RsaSha1 (<http://www.w3.org/2000/09/xmlsig#rsa-sha1>)
- AsymmetricKeyWrapAlgorithm - KwRsaOaep ([http://www.w3.org/2001/04/xmlenc#rsa-1\\_5](http://www.w3.org/2001/04/xmlenc#rsa-1_5))
- AsymmetricEncryptionAlgorithm - RsaOaep ([http://www.w3.org/2001/04/xmlenc#rsa-1\\_5](http://www.w3.org/2001/04/xmlenc#rsa-1_5))
- KeyDerivationAlgorithm - PSha1 ([http://docs.oasis-open.org/ws-sx/ws-secureconversation/200512/dk/p\\_sha1](http://docs.oasis-open.org/ws-sx/ws-secureconversation/200512/dk/p_sha1))

- `DerivedSignatureKeyLength` - 192 (24 bytes)
- `MinAsymmetricKeyLength` - 1024 (128 bytes)
- `MaxAsymmetricKeyLength` - 2048 (256 bytes)
- `CertificateSignatureAlgorithm` - Sha1

If a certificate or any certificate in the chain is not signed with a hash that is Sha1 or stronger then the certificate shall be rejected.

```
AsymmetricEncryptionURI = 'http://www.w3.org/2001/04/xmlenc#rsa-oaep'
URI = 'http://opcfoundation.org/UA/SecurityPolicy#Basic256'

static encrypt_asymmetric (pubkey, data)
make_symmetric_key (nonce1, nonce2)
signature_key_size = 24
symmetric_key_size = 32

class opcua.crypto.security_policies.Signer
    Bases: object

    Abstract base class for cryptographic signature algorithm

    signature (data)
    signature_size ()

class opcua.crypto.security_policies.SignerAesCbc (key)
    Bases: opcua.crypto.security_policies.Signer

    signature (data)
    signature_size ()

class opcua.crypto.security_policies.SignerRsa (client_pk)
    Bases: opcua.crypto.security_policies.Signer

    signature (data)
    signature_size ()

class opcua.crypto.security_policies.Verifier
    Bases: object

    Abstract base class for cryptographic signature verification

    signature_size ()
    verify (data, signature)

class opcua.crypto.security_policies.VerifierAesCbc (key)
    Bases: opcua.crypto.security_policies.Verifier

    signature_size ()
    verify (data, signature)

class opcua.crypto.security_policies.VerifierRsa (server_cert)
    Bases: opcua.crypto.security_policies.Verifier

    signature_size ()
    verify (data, signature)
```



`opcua.crypto.security_policies.encrypt_asymmetric(pubkey, data, policy_uri)`  
Encrypt data with pubkey using an asymmetric algorithm. The algorithm is selected by policy\_uri. Returns a tuple (encrypted\_data, algorithm\_uri)

`opcua.crypto.security_policies.require_cryptography(obj)`  
Raise exception if cryptography module is not available. Call this function in constructors.

### **opcua.crypto.uacrypto module**

`opcua.crypto.uacrypto.cipher_aes_cbc(key, init_vec)`

`opcua.crypto.uacrypto.cipher_decrypt(cipher, data)`

`opcua.crypto.uacrypto.cipher_encrypt(cipher, data)`

`opcua.crypto.uacrypto.decrypt_rsa15(private_key, data)`

`opcua.crypto.uacrypto.decrypt_rsa_oaep(private_key, data)`

`opcua.crypto.uacrypto.der_from_x509(certificate)`

`opcua.crypto.uacrypto.encrypt_basic256(public_key, data)`

`opcua.crypto.uacrypto.encrypt_rsa15(public_key, data)`

`opcua.crypto.uacrypto.encrypt_rsa_oaep(public_key, data)`

`opcua.crypto.uacrypto.hmac_shal(key, message)`

`opcua.crypto.uacrypto.load_certificate(path)`

`opcua.crypto.uacrypto.load_private_key(path)`

`opcua.crypto.uacrypto.p_shal(secret, seed, sizes=())`  
Derive one or more keys from secret and seed. (See specs part 6, 6.7.5 and RFC 2246 - TLS v1.0) Lengths of keys will match sizes argument

`opcua.crypto.uacrypto.shal_size()`

`opcua.crypto.uacrypto.sign_shal(private_key, data)`

`opcua.crypto.uacrypto.verify_shal(certificate, data, signature)`

`opcua.crypto.uacrypto.x509_from_der(data)`

`opcua.crypto.uacrypto.x509_name_to_string(name)`

`opcua.crypto.uacrypto.x509_to_string(cert)`  
Convert x509 certificate to human-readable string

## Module contents

### 5.1.4 opcua.server package

#### Subpackages

#### opcua.server.standard\_address\_space package

#### Submodules

#### opcua.server.standard\_address\_space.standard\_address\_space module

```
class opcua.server.standard_address_space.standard_address_space.PostponeReferences (server)  
    Bases: object
```

```
        add_nodes (nodes)
```

```
        add_references (refs)
```

```
opcua.server.standard_address_space.standard_address_space.fill_address_space (nodeservice)
```

#### opcua.server.standard\_address\_space.standard\_address\_space\_part10 module

DO NOT EDIT THIS FILE! It is automatically generated from opcfoundation.org schemas.

```
opcua.server.standard_address_space.standard_address_space_part10.create_standard_address_s
```

#### opcua.server.standard\_address\_space.standard\_address\_space\_part11 module

DO NOT EDIT THIS FILE! It is automatically generated from opcfoundation.org schemas.

```
opcua.server.standard_address_space.standard_address_space_part11.create_standard_address_s
```

#### opcua.server.standard\_address\_space.standard\_address\_space\_part13 module

DO NOT EDIT THIS FILE! It is automatically generated from opcfoundation.org schemas.

```
opcua.server.standard_address_space.standard_address_space_part13.create_standard_address_s
```

#### opcua.server.standard\_address\_space.standard\_address\_space\_part3 module

DO NOT EDIT THIS FILE! It is automatically generated from opcfoundation.org schemas.

```
opcua.server.standard_address_space.standard_address_space_part3.create_standard_address_s
```

#### opcua.server.standard\_address\_space.standard\_address\_space\_part4 module

DO NOT EDIT THIS FILE! It is automatically generated from opcfoundation.org schemas.

```
opcua.server.standard_address_space.standard_address_space_part4.create_standard_address_s
```

### `opcua.server.standard_address_space.standard_address_space_part5` module

DO NOT EDIT THIS FILE! It is automatically generated from opcfoundation.org schemas.

```
opcua.server.standard_address_space.standard_address_space_part5.create_standard_address_sp
```

### `opcua.server.standard_address_space.standard_address_space_part8` module

DO NOT EDIT THIS FILE! It is automatically generated from opcfoundation.org schemas.

```
opcua.server.standard_address_space.standard_address_space_part8.create_standard_address_sp
```

### `opcua.server.standard_address_space.standard_address_space_part9` module

DO NOT EDIT THIS FILE! It is automatically generated from opcfoundation.org schemas.

```
opcua.server.standard_address_space.standard_address_space_part9.create_standard_address_sp
```

## Module contents

### Submodules

#### `opcua.server.address_space` module

**class** `opcua.server.address_space.AddressSpace`

Bases: `object`

The address space object stores all the nodes of the OPC-UA server and helper methods. The methods are thread safe

**add\_datachange\_callback** (*nodeid*, *attr*, *callback*)

**add\_method\_callback** (*methodid*, *callback*)

**delete\_datachange\_callback** (*handle*)

**dump** (*path*)

Dump address space as binary to file; note that server must be stopped for this method to work DO NOT DUMP AN ADDRESS SPACE WHICH IS USING A SHELF (`load_aspace_shelf`), ONLY CACHED NODES WILL GET DUMPED!

**empty** ()

Delete all nodes in address space

**generate\_nodeid** (*idx=None*)

**get** (*nodeid*)

**get\_attribute\_value** (*nodeid*, *attr*)

**keys** ()

**load** (*path*)

Load address space from a binary file, overwriting everything in the current address space

**load\_aspace\_shelf** (*path*)

Load the standard address space nodes from a python shelf via LazyLoadingDict as needed. The dump() method can no longer be used if the address space is being loaded from a shelf

Note: Intended for slow devices, such as Raspberry Pi, to greatly improve start up time

**make\_aspace\_shelf** (*path*)

Make a shelf for containing the nodes from the standard address space; this is typically only done on first start of the server. Subsequent server starts will load the shelf, nodes are then moved to a cache by the LazyLoadingDict class when they are accessed. Saving data back to the shelf is currently NOT supported, it is only used for the default OPC UA standard address space

Note: Intended for slow devices, such as Raspberry Pi, to greatly improve start up time

**set\_attribute\_value** (*nodeid, attr, value*)

**class** opcua.server.address\_space.**AttributeService** (*aspace*)

Bases: object

**read** (*params*)

**write** (*params, user=<User.Admin: 0>*)

**class** opcua.server.address\_space.**AttributeValue** (*value*)

Bases: object

**class** opcua.server.address\_space.**MethodService** (*aspace*)

Bases: object

**call** (*methods*)

**class** opcua.server.address\_space.**NodeData** (*nodeid*)

Bases: object

**class** opcua.server.address\_space.**NodeManagementService** (*aspace*)

Bases: object

**add\_nodes** (*addnodeitems, user=<User.Admin: 0>*)

**add\_references** (*refs, user=<User.Admin: 0>*)

**delete\_nodes** (*deletenodeitems, user=<User.Admin: 0>*)

**delete\_references** (*refs, user=<User.Admin: 0>*)

**try\_add\_nodes** (*addnodeitems, user=<User.Admin: 0>, check=True*)

**try\_add\_references** (*refs, user=<User.Admin: 0>*)

**class** opcua.server.address\_space.**ViewService** (*aspace*)

Bases: object

**browse** (*params*)

**translate\_browsepaths\_to\_nodeids** (*browsepaths*)

## **opcua.server.binary\_server module**

## **opcua.server.binary\_server\_asyncio module**

Socket server forwarding request to internal server

```
class opcua.server.binary_server_asyncio.BinaryServer (internal_server, hostname,  
                                                    port)  
    Bases: object  
    set_loop (loop)  
    set_policies (policies)  
    start ()  
    stop ()  
  
class opcua.server.binary_server_asyncio.OPCUAProtocol  
    Bases: asyncio.protocols.Protocol  
    Interface for OPCUA protocol.  
    clients = None  
    connection_lost (ex)  
        Called when the connection is lost or closed.  
        The argument is an exception object or None (the latter meaning a regular EOF is received or the connection was aborted or closed).  
    connection_made (transport)  
        Called when a connection is made.  
        The argument is the transport representing the pipe connection. To receive data, wait for data_received() calls. When the connection is closed, connection_lost() is called.  
    data_received (data)  
        Called when some data is received.  
        The argument is a bytes object.  
    iserver = None  
    logger = None  
    loop = None  
    policies = None
```

### opcua.server.internal\_server module

Internal server implementing opcua-ua interface. Can be used on server side or to implement binary/https opc-ua servers

```
class opcua.server.internal_server.InternalServer (shelffile=None)  
    Bases: object  
    add_endpoint (endpoint)  
    create_session (name, user=<User.Anonymous: 1>, external=False)  
    disable_history_data_change (node)  
        Set attribute Historizing of node to False and stop storing data for history  
    disable_history_event (source)  
        Set attribute History Read of node to False and stop storing data for history  
    dump_address_space (path)  
        Dump current address space to path
```

```
enable_history_data_change (node, period=datetime.timedelta(7), count=0)
    Set attribute Historizing of node to True and start storing data for history

enable_history_event (source, period=datetime.timedelta(7), count=0)
    Set attribute History Read of object events to True and start storing data for history

find_servers (params)

get_endpoints (params=None, sockname=None)

get_new_channel_id ()

load_address_space (path)
    Load address space from path

load_standard_address_space (shelffile=None)

register_server (server, conf=None)

register_server2 (params)

set_attribute_value (nodeid, datavalue, attr=<AttributeIds.Value: 13>)
    directly write datavalue to the Attribute, bypassing some checks and structure creation so it is a little faster

setup_nodes ()
    Set up some nodes as defined by spec

start ()

stop ()

subscribe_server_callback (event, handle)
    Create a subscription from event to handle

unsubscribe_server_callback (event, handle)
    Remove a subscription from event to handle

class opcua.server.internal_server.InternalSession (internal_server, aspace, submgr,
                                                    name, user=<User.Anonymous:
                                                    1>, external=False)

    Bases: object

activate_session (params)

add_method_callback (methodid, callback)

add_nodes (params)

add_references (params)

browse (params)

call (params)

close_session (delete_subs=True)

create_monitored_items (params)

create_session (params, sockname=None)

create_subscription (params, callback)

delete_monitored_items (params)

delete_nodes (params)

delete_references (params)

delete_subscriptions (ids)
```

```

    get_endpoints (params=None, sockname=None)
    history_read (params)
    modify_monitored_items (params)
    modify_subscription (params, callback)
    publish (acks=None)
    read (params)
    republish (params)
    translate_browsepaths_to_nodeids (params)
    write (params)

class opcua.server.internal_server.ServerDesc (serv, cap=None)
    Bases: object

class opcua.server.internal_server.SessionState
    Bases: enum.Enum

    An enumeration.

    Activated = 1
    Closed = 2
    Created = 0

```

## opcua.server.internal\_subscription module

server side implementation of a subscription object

```

class opcua.server.internal_subscription.InternalSubscription (subservice, data,
                                                                addressspace,
                                                                callback)

    Bases: object

    enqueue_datachange_event (mid, eventdata, maxsize)
    enqueue_event (mid, eventdata, maxsize)
    enqueue_statuschange (code)
    has_published_results ()
    publish (acks)
    publish_results ()
    republish (nb)
    start ()
    stop ()

class opcua.server.internal_subscription.MonitoredItemData
    Bases: object

class opcua.server.internal_subscription.MonitoredItemService (isub, aspace)
    Bases: object

    implement monitoreditem service for 1 subscription

```

```
create_monitored_items (params)
datachange_callback (handle, value, error=None)
deadband_callback (values,flt)
delete_all_monitored_items ()
delete_monitored_items (ids)
modify_monitored_items (params)
trigger_datachange (handle, nodeid, attr)
trigger_event (event)
trigger_statuschange (code)

class opcua.server.internal_subscription.MonitoredItemValues
    Bases: object
    get_current_value ()
    get_old_value ()
    set_current_value (cur_val)

class opcua.server.internal_subscription.WhereClauseEvaluator (logger, aspace,
                                                                whereclause)
    Bases: object
    eval (event)
```

## opcua.server.server module

High level interface to pure python OPC-UA server

```
class opcua.server.server.Server (shelffile=None, iserver=None)
    Bases: object
```

High level Server class

This class creates an opcua server with default values

Create your own namespace and then populate your server address space using use the `get_root()` or `get_objects()` to get Node objects. and `get_event_object()` to fire events. Then start server. See `example_server.py` All methods are threadsafe

If you need more flexibility you call directly the Ua Service methods on the `iserver` or `iserver.isession` object members.

During startup the standard address space will be constructed, which may be time-consuming when running a server on a less powerful device (e.g. a Raspberry Pi). In order to improve startup performance, a optional path to a cache file can be passed to the server constructor. If the parameter is defined, the address space will be loaded from the cache file or the file will be created if it does not exist yet. As a result the first startup will be even slower due to the cache file generation but all further start ups will be significantly faster.

### Variables

- **product\_uri** (*uri*) –
- **name** (*string*) –
- **default\_timeout** (`InternalServer`) – timeout in milliseconds for sessions and secure channel



- **iserver** – internal server object
- **bserver** (*BinaryServer*) – binary protocol server
- **nodes** (*Shortcuts*) – shortcuts to common nodes

**allow\_remote\_admin** (*allow*)

Enable or disable the builtin Admin user from network clients

**create\_custom\_data\_type** (*idx, name, basetype=24, properties=None*)

**create\_custom\_event\_type** (*idx, name, basetype=2041, properties=None*)

**create\_custom\_object\_type** (*idx, name, basetype=58, properties=None, variables=None, methods=None*)

**create\_custom\_variable\_type** (*idx, name, basetype=62, properties=None, variables=None, methods=None*)

**create\_subscription** (*period, handler*)

Create a subscription. returns a Subscription object which allow to subscribe to events or data on server  
period is in milliseconds handler is a python object with following methods:

```
def datachange_notification(self, node, val, data): def event_notification(self, event): def status_change_notification(self, status):
```

**dehistorize\_node\_data\_change** (*node*)

Stop historizing supplied nodes; see history module Args:

node: node or list of nodes that can be historized (UA variables/properties)

Returns:

**dehistorize\_node\_event** (*node*)

Stop historizing events from node (typically a UA object); see history module Args:

node: node or list of nodes that can be historized (UA objects)

Returns:

**delete\_nodes** (*nodes, recursive=False*)

**disable\_clock** (*val=True*)

for debugging you may want to disable clock that write every second to address space

**export\_xml** (*nodes, path*)

Export defined nodes to xml

**export\_xml\_by\_ns** (*path, namespaces=None*)

Export nodes of one or more namespaces to an XML file. Namespaces used by nodes are always exported for consistency. Args:

server: opc ua server to use path: name of the xml file to write namespaces: list of string uris or int indexes of the namespace to export, if not provide all ns are used except 0

Returns:

**find\_servers** (*uris=None*)

find\_servers. mainly implemented for symmetry with client

**get\_client\_to\_discovery** (*url='opc.tcp://localhost:4840'*)

Create a client to discovery server and return it

**get\_endpoints** ()

**get\_event\_generator** (*etype=None, source=2253*)

Returns an event object using an event type from address space. Use this object to fire events

**get\_namespace\_array** ()  
 get all namespace defined in server

**get\_namespace\_index** (*uri*)  
 get index of a namespace using its uri

**get\_node** (*nodeid*)  
 Get a specific node using NodeId object or a string representing a NodeId

**get\_objects\_node** ()  
 Get Objects node of server. Returns a Node object.

**get\_root\_node** ()  
 Get Root node of server. Returns a Node object.

**get\_server\_node** ()  
 Get Server node of server. Returns a Node object.

**historize\_node\_data\_change** (*node, period=datetime.timedelta(7), count=0*)  
 Start historizing supplied nodes; see history module Args:  
     *node*: node or list of nodes that can be historized (variables/properties) *period*: time delta to store the history; older data will be deleted from the storage *count*: number of changes to store in the history  
 Returns:

**historize\_node\_event** (*node, period=datetime.timedelta(7), count=0*)  
 Start historizing events from node (typically a UA object); see history module Args:  
     *node*: node or list of nodes that can be historized (UA objects) *period*: time delta to store the history; older data will be deleted from the storage *count*: number of events to store in the history  
 Returns:

**import\_xml** (*path=None, xmlstring=None*)  
 Import nodes defined in xml

**link\_method** (*node, callback*)  
 Link a python function to a UA method in the address space; required when a UA method has been imported to the address space via XML; the python executable must be linked manually Args:  
     *node*: UA method node *callback*: python function that the UA method will call  
 Returns:

**load\_certificate** (*path*)  
 load server certificate from file, either pem or der

**load\_enums** ()  
 load UA structures and generate python Enums in ua module for custom enums in server

**load\_private\_key** (*path*)

**load\_type\_definitions** (*nodes=None*)  
 load custom structures from our server. Server side this can be used to create python objects from custom structures imported through xml into server

**register\_namespace** (*uri*)  
 Register a new namespace. Nodes should in custom namespace, not 0.

**register\_to\_discovery** (*url='opc.tcp://localhost:4840', period=60*)  
 Register to an OPC-UA Discovery server. Registering must be renewed at least every 10 minutes, so this

method will use our asyncio thread to re-register every period seconds if period is 0 registration is not automatically renewed

**set\_application\_uri** (*uri*)

Set application/server URI. This uri is supposed to be unique. If you intent to register your server to a discovery server, it really should be unique in your system! default is : “urn:freeopcua:python:server”

**set\_attribute\_value** (*nodeid, datavalue, attr=<AttributeIds.Value: 13>*)

directly write datavalue to the Attribute, bypassing some checks and structure creation so it is a little faster

**set\_endpoint** (*url*)

**set\_security\_IDs** (*policyIDs*)

Method setting up the security endpoints for identification of clients. During server object initialization, all possible endpoints are enabled:

```
self._policyIDs = ["Anonymous", "Basic256", "Basic128", "Username"]
```

E.g. to limit the number of IDs and disable anonymous clients:

```
set_security_policy(["Basic256"])
```

(Implementation for ID check is currently not finalized...)

**set\_security\_policy** (*security\_policy*)

Method setting up the security policies for connections to the server, where security\_policy is a list of integers. During server initialization, all endpoints are enabled:

```
security_policy = [ ua.SecurityPolicyType.NoSecurity, ua.SecurityPolicyType.Basic128Rsa15_SignAndEncrypt,
                    ua.SecurityPolicyType.Basic128Rsa15_Sign, ua.SecurityPolicyType.Basic256_SignAndEncrypt,
                    ua.SecurityPolicyType.Basic256_Sign
                    ]
```

E.g. to limit the number of endpoints and disable no encryption:

```
set_security_policy([ ua.SecurityPolicyType.Basic128Rsa15_SignAndEncrypt
                    ua.SecurityPolicyType.Basic256_SignAndEncrypt])
```

**set\_server\_name** (*name*)

**start** ()

Start to listen on network

**stop** ()

Stop server

**subscribe\_server\_callback** (*event, handle*)

**unregister\_to\_discovery** (*url='opc.tcp://localhost:4840'*)

stop registration thread

**unsubscribe\_server\_callback** (*event, handle*)

## opcua.server.subscription\_service module

server side implementation of subscription service

**class** opcua.server.subscription\_service.**SubscriptionService** (*aspace*)

Bases: object

**create\_monitored\_items** (*params*)

**create\_subscription** (*params, callback*)

```
delete_monitored_items(params)
delete_subscriptions(ids)
modify_monitored_items(params)
modify_subscription(params, callback)
publish(acks)
republish(params)
set_loop(loop)
trigger_event(event)
```

### opcua.server.uaprocessor module

```
class opcua.server.uaprocessor.PublishRequestData
    Bases: object

class opcua.server.uaprocessor.UaProcessor(internal_server, socket)
    Bases: object

    close()
        to be called when client has disconnected to ensure we really close everything we should

    forward_publish_response(result)

    open_secure_channel(algohdr, seqhdr, body)

    process(header, body)

    process_message(algohdr, seqhdr, body)

    send_response(requesthandle, algohdr, seqhdr, response, msgtype=b'MSG')

    set_policies(policies)
```

### opcua.server.users module

Implement user managent here

```
class opcua.server.users.User
    Bases: enum.Enum

    Define some default users.

    Admin = 0
    Anonymous = 1
    User = 3
```

## Module contents

### 5.1.5 opcua.ua package

#### Submodules

#### opcua.ua.attribute\_ids module

**class** opcua.ua.attribute\_ids.**AttributeIds**

Bases: enum.IntEnum

An enumeration.

**AccessLevel** = 17

**AccessLevelEx** = 27

**AccessRestrictions** = 26

**ArrayDimensions** = 16

**BrowseName** = 3

**ContainsNoLoops** = 11

**DataType** = 14

**DataTypeDefinition** = 23

**Description** = 5

**DisplayName** = 4

**EventNotifier** = 12

**Executable** = 21

**Historizing** = 20

**InverseName** = 10

**IsAbstract** = 8

**MinimumSamplingInterval** = 19

**NodeClass** = 2

**NodeId** = 1

**RolePermissions** = 24

**Symmetric** = 9

**UserAccessLevel** = 18

**UserExecutable** = 22

**UserRolePermissions** = 25

**UserWriteMask** = 7

**Value** = 13

**ValueRank** = 15

**WriteMask** = 6

## opcua.ua.extension\_objects module

## opcua.ua.object\_ids module

```
class opcua.ua.object_ids.ObjectIds
    Bases: object

    AccessLevelExType = 15406
    AccessLevelExType_OptionSetValues = 15407
    AccessLevelType = 15031
    AccessLevelType_OptionSetValues = 15032
    AccessRestrictionType = 95
    AccessRestrictionType_OptionSetValues = 15035
    AcknowledgeableConditionType = 2881
    AcknowledgeableConditionType_AckedState = 9093
    AcknowledgeableConditionType_AckedState_EffectiveDisplayName = 9097
    AcknowledgeableConditionType_AckedState_EffectiveTransitionTime = 9099
    AcknowledgeableConditionType_AckedState_FalseState = 9101
    AcknowledgeableConditionType_AckedState_Id = 9094
    AcknowledgeableConditionType_AckedState_Name = 9095
    AcknowledgeableConditionType_AckedState_Number = 9096
    AcknowledgeableConditionType_AckedState_TransitionTime = 9098
    AcknowledgeableConditionType_AckedState_TrueState = 9100
    AcknowledgeableConditionType_Acknowledge = 9111
    AcknowledgeableConditionType_Acknowledge_InputArguments = 9112
    AcknowledgeableConditionType_AddComment = 9091
    AcknowledgeableConditionType_AddComment_InputArguments = 9092
    AcknowledgeableConditionType_BranchId = 9072
    AcknowledgeableConditionType_ClientUserId = 9088
    AcknowledgeableConditionType_Comment = 9086
    AcknowledgeableConditionType_Comment_SourceTimestamp = 9087
    AcknowledgeableConditionType_ConditionClassId = 11116
    AcknowledgeableConditionType_ConditionClassName = 11117
    AcknowledgeableConditionType_ConditionName = 9071
    AcknowledgeableConditionType_ConditionRefresh = 5123
    AcknowledgeableConditionType_ConditionRefresh2 = 12918
    AcknowledgeableConditionType_ConditionRefresh2_InputArguments = 12919
    AcknowledgeableConditionType_ConditionRefresh_InputArguments = 5124
    AcknowledgeableConditionType_ConditionSubClassId = 16367
```

```
AcknowledgeableConditionType_ConditionSubClassName = 16368
AcknowledgeableConditionType_Confirm = 9113
AcknowledgeableConditionType_Confirm_InputArguments = 9114
AcknowledgeableConditionType_ConfirmedState = 9102
AcknowledgeableConditionType_ConfirmedState_EffectiveDisplayName = 9106
AcknowledgeableConditionType_ConfirmedState_EffectiveTransitionTime = 9108
AcknowledgeableConditionType_ConfirmedState_FalseState = 9110
AcknowledgeableConditionType_ConfirmedState_Id = 9103
AcknowledgeableConditionType_ConfirmedState_Name = 9104
AcknowledgeableConditionType_ConfirmedState_Number = 9105
AcknowledgeableConditionType_ConfirmedState_TransitionTime = 9107
AcknowledgeableConditionType_ConfirmedState_TrueState = 9109
AcknowledgeableConditionType_Disable = 9090
AcknowledgeableConditionType_Enable = 9089
AcknowledgeableConditionType_EnabledState = 9073
AcknowledgeableConditionType_EnabledState_EffectiveDisplayName = 9077
AcknowledgeableConditionType_EnabledState_EffectiveTransitionTime = 9079
AcknowledgeableConditionType_EnabledState_FalseState = 9081
AcknowledgeableConditionType_EnabledState_Id = 9074
AcknowledgeableConditionType_EnabledState_Name = 9075
AcknowledgeableConditionType_EnabledState_Number = 9076
AcknowledgeableConditionType_EnabledState_TransitionTime = 9078
AcknowledgeableConditionType_EnabledState_TrueState = 9080
AcknowledgeableConditionType_EventId = 5113
AcknowledgeableConditionType_EventType = 5114
AcknowledgeableConditionType_LastSeverity = 9084
AcknowledgeableConditionType_LastSeverity_SourceTimestamp = 9085
AcknowledgeableConditionType_LocalTime = 5119
AcknowledgeableConditionType_Message = 5120
AcknowledgeableConditionType_Quality = 9082
AcknowledgeableConditionType_Quality_SourceTimestamp = 9083
AcknowledgeableConditionType_ReceiveTime = 5118
AcknowledgeableConditionType_Retain = 5122
AcknowledgeableConditionType_Severity = 5121
AcknowledgeableConditionType_SourceName = 5116
AcknowledgeableConditionType_SourceNode = 5115
```

```
AcknowledgeableConditionType_Time = 5117
ActivateSessionRequest = 465
ActivateSessionRequest_Encoding_DefaultBinary = 467
ActivateSessionRequest_Encoding_DefaultJson = 15145
ActivateSessionRequest_Encoding_DefaultXml = 466
ActivateSessionResponse = 468
ActivateSessionResponse_Encoding_DefaultBinary = 470
ActivateSessionResponse_Encoding_DefaultJson = 15146
ActivateSessionResponse_Encoding_DefaultXml = 469
AddApplicationMethodType = 16184
AddApplicationMethodType_InputArguments = 16185
AddCertificateMethodType = 12518
AddCertificateMethodType_InputArguments = 12519
AddCommentMethodType = 3863
AddCommentMethodType_InputArguments = 3864
AddConnectionMethodType = 16691
AddConnectionMethodType_InputArguments = 16718
AddConnectionMethodType_OutputArguments = 16719
AddDataSetFolderMethodType = 17067
AddDataSetFolderMethodType_InputArguments = 17068
AddDataSetFolderMethodType_OutputArguments = 17069
AddEndpointMethodType = 16188
AddEndpointMethodType_InputArguments = 16189
AddExtensionFieldMethodType = 15496
AddExtensionFieldMethodType_InputArguments = 15497
AddExtensionFieldMethodType_OutputArguments = 15498
AddIdentityMethodType = 15636
AddIdentityMethodType_InputArguments = 15637
AddNodesItem = 376
AddNodesItem_Encoding_DefaultBinary = 378
AddNodesItem_Encoding_DefaultJson = 15165
AddNodesItem_Encoding_DefaultXml = 377
AddNodesRequest = 486
AddNodesRequest_Encoding_DefaultBinary = 488
AddNodesRequest_Encoding_DefaultJson = 15167
AddNodesRequest_Encoding_DefaultXml = 487
```



```
AddNodesResponse = 489
AddNodesResponse_Encoding_DefaultBinary = 491
AddNodesResponse_Encoding_DefaultJson = 15168
AddNodesResponse_Encoding_DefaultXml = 490
AddNodesResult = 483
AddNodesResult_Encoding_DefaultBinary = 485
AddNodesResult_Encoding_DefaultJson = 15166
AddNodesResult_Encoding_DefaultXml = 484
AddPublishedDataItemsMethodType = 14501
AddPublishedDataItemsMethodType_InputArguments = 14502
AddPublishedDataItemsMethodType_OutputArguments = 14503
AddPublishedDataItemsTemplateMethodType = 17030
AddPublishedDataItemsTemplateMethodType_InputArguments = 17031
AddPublishedDataItemsTemplateMethodType_OutputArguments = 17032
AddPublishedEventsMethodType = 14504
AddPublishedEventsMethodType_InputArguments = 14505
AddPublishedEventsMethodType_OutputArguments = 14506
AddPublishedEventsTemplateMethodType = 17033
AddPublishedEventsTemplateMethodType_InputArguments = 17043
AddPublishedEventsTemplateMethodType_OutputArguments = 17066
AddReferencesItem = 379
AddReferencesItem_Encoding_DefaultBinary = 381
AddReferencesItem_Encoding_DefaultJson = 15169
AddReferencesItem_Encoding_DefaultXml = 380
AddReferencesRequest = 492
AddReferencesRequest_Encoding_DefaultBinary = 494
AddReferencesRequest_Encoding_DefaultJson = 15170
AddReferencesRequest_Encoding_DefaultXml = 493
AddReferencesResponse = 495
AddReferencesResponse_Encoding_DefaultBinary = 497
AddReferencesResponse_Encoding_DefaultJson = 15171
AddReferencesResponse_Encoding_DefaultXml = 496
AddRoleMethodType = 16002
AddRoleMethodType_InputArguments = 16003
AddRoleMethodType_OutputArguments = 16004
AddSecurityGroupMethodType = 15466
```

```
AddSecurityGroupMethodType_InputArguments = 15467
AddSecurityGroupMethodType_OutputArguments = 15468
AddressSpaceFileType = 11595
AddressSpaceFileType_Close = 11603
AddressSpaceFileType_Close_InputArguments = 11604
AddressSpaceFileType_ExportNamespace = 11615
AddressSpaceFileType_GetPosition = 11610
AddressSpaceFileType_GetPosition_InputArguments = 11611
AddressSpaceFileType_GetPosition_OutputArguments = 11612
AddressSpaceFileType_MimeType = 13398
AddressSpaceFileType_Open = 11600
AddressSpaceFileType_OpenCount = 11599
AddressSpaceFileType_Open_InputArguments = 11601
AddressSpaceFileType_Open_OutputArguments = 11602
AddressSpaceFileType_Read = 11605
AddressSpaceFileType_Read_InputArguments = 11606
AddressSpaceFileType_Read_OutputArguments = 11607
AddressSpaceFileType_SetPosition = 11613
AddressSpaceFileType_SetPosition_InputArguments = 11614
AddressSpaceFileType_Size = 11596
AddressSpaceFileType_UserWritable = 12689
AddressSpaceFileType_Writable = 12688
AddressSpaceFileType_Write = 11608
AddressSpaceFileType_Write_InputArguments = 11609
AggregateConfiguration = 948
AggregateConfigurationType = 11187
AggregateConfigurationType_PercentDataBad = 11189
AggregateConfigurationType_PercentDataGood = 11190
AggregateConfigurationType_TreatUncertainAsBad = 11188
AggregateConfigurationType_UseSlopedExtrapolation = 11191
AggregateConfiguration_Encoding_DefaultBinary = 950
AggregateConfiguration_Encoding_DefaultJson = 15304
AggregateConfiguration_Encoding_DefaultXml = 949
AggregateFilter = 728
AggregateFilterResult = 737
AggregateFilterResult_Encoding_DefaultBinary = 739
```

```
AggregateFilterResult_Encoding_DefaultJson = 15315
AggregateFilterResult_Encoding_DefaultXml = 738
AggregateFilter_Encoding_DefaultBinary = 730
AggregateFilter_Encoding_DefaultJson = 15312
AggregateFilter_Encoding_DefaultXml = 729
AggregateFunctionType = 2340
AggregateFunction_AnnotationCount = 2351
AggregateFunction_Average = 2342
AggregateFunction_Count = 2352
AggregateFunction_Delta = 2359
AggregateFunction_DeltaBounds = 11507
AggregateFunction_DurationBad = 2361
AggregateFunction_DurationGood = 2360
AggregateFunction_DurationInStateNonZero = 11308
AggregateFunction_DurationInStateZero = 11307
AggregateFunction_End = 2358
AggregateFunction_EndBound = 11506
AggregateFunction_Interpolative = 2341
AggregateFunction_Maximum = 2347
AggregateFunction_Maximum2 = 11287
AggregateFunction_MaximumActualTime = 2349
AggregateFunction_MaximumActualTime2 = 11306
AggregateFunction_Minimum = 2346
AggregateFunction_Minimum2 = 11286
AggregateFunction_MinimumActualTime = 2348
AggregateFunction_MinimumActualTime2 = 11305
AggregateFunction_NumberOfTransitions = 2355
AggregateFunction_PercentBad = 2363
AggregateFunction_PercentGood = 2362
AggregateFunction_Range = 2350
AggregateFunction_Range2 = 11288
AggregateFunction_StandardDeviationPopulation = 11427
AggregateFunction_StandardDeviationSample = 11426
AggregateFunction_Start = 2357
AggregateFunction_StartBound = 11505
AggregateFunction_TimeAverage = 2343
```

```
AggregateFunction_TimeAverage2 = 11285
AggregateFunction_Total = 2344
AggregateFunction_Total2 = 11304
AggregateFunction_VariancePopulation = 11429
AggregateFunction_VarianceSample = 11428
AggregateFunction_WorstQuality = 2364
AggregateFunction_WorstQuality2 = 11292
Aggregates = 44
AlarmConditionType = 2915
AlarmConditionType_AckedState = 9138
AlarmConditionType_AckedState_EffectiveDisplayName = 9142
AlarmConditionType_AckedState_EffectiveTransitionTime = 9144
AlarmConditionType_AckedState_FalseState = 9146
AlarmConditionType_AckedState_Id = 9139
AlarmConditionType_AckedState_Name = 9140
AlarmConditionType_AckedState_Number = 9141
AlarmConditionType_AckedState_TransitionTime = 9143
AlarmConditionType_AckedState_TrueState = 9145
AlarmConditionType_Acknowledge = 9156
AlarmConditionType_Acknowledge_InputArguments = 9157
AlarmConditionType_ActiveState = 9160
AlarmConditionType_ActiveState_EffectiveDisplayName = 9164
AlarmConditionType_ActiveState_EffectiveTransitionTime = 9166
AlarmConditionType_ActiveState_FalseState = 9168
AlarmConditionType_ActiveState_Id = 9161
AlarmConditionType_ActiveState_Name = 9162
AlarmConditionType_ActiveState_Number = 9163
AlarmConditionType_ActiveState_TransitionTime = 9165
AlarmConditionType_ActiveState_TrueState = 9167
AlarmConditionType_AddComment = 9136
AlarmConditionType_AddComment_InputArguments = 9137
AlarmConditionType_AlarmGroup_Placeholder = 16399
AlarmConditionType_AudibleEnabled = 16389
AlarmConditionType_AudibleSound = 16390
AlarmConditionType_AudibleSound_AgencyId = 17866
AlarmConditionType_AudibleSound_ListId = 17865
```

```
AlarmConditionType_AudibleSound_VersionId = 17867
AlarmConditionType_BranchId = 9117
AlarmConditionType_ClientUserId = 9133
AlarmConditionType_Comment = 9131
AlarmConditionType_Comment_SourceTimestamp = 9132
AlarmConditionType_ConditionClassId = 11118
AlarmConditionType_ConditionClassName = 11119
AlarmConditionType_ConditionName = 9116
AlarmConditionType_ConditionRefresh = 5550
AlarmConditionType_ConditionRefresh2 = 12984
AlarmConditionType_ConditionRefresh2_InputArguments = 12985
AlarmConditionType_ConditionRefresh_InputArguments = 5551
AlarmConditionType_ConditionSubClassId = 16369
AlarmConditionType_ConditionSubClassName = 16370
AlarmConditionType_Confirm = 9158
AlarmConditionType_Confirm_InputArguments = 9159
AlarmConditionType_ConfirmedState = 9147
AlarmConditionType_ConfirmedState_EffectiveDisplayName = 9151
AlarmConditionType_ConfirmedState_EffectiveTransitionTime = 9153
AlarmConditionType_ConfirmedState_FalseState = 9155
AlarmConditionType_ConfirmedState_Id = 9148
AlarmConditionType_ConfirmedState_Name = 9149
AlarmConditionType_ConfirmedState_Number = 9150
AlarmConditionType_ConfirmedState_TransitionTime = 9152
AlarmConditionType_ConfirmedState_TrueState = 9154
AlarmConditionType_Disable = 9135
AlarmConditionType_Enable = 9134
AlarmConditionType_EnabledState = 9118
AlarmConditionType_EnabledState_EffectiveDisplayName = 9122
AlarmConditionType_EnabledState_EffectiveTransitionTime = 9124
AlarmConditionType_EnabledState_FalseState = 9126
AlarmConditionType_EnabledState_Id = 9119
AlarmConditionType_EnabledState_Name = 9120
AlarmConditionType_EnabledState_Number = 9121
AlarmConditionType_EnabledState_TransitionTime = 9123
AlarmConditionType_EnabledState_TrueState = 9125
```

```
AlarmConditionType_EventId = 5540
AlarmConditionType_EventType = 5541
AlarmConditionType_FirstInGroup = 16398
AlarmConditionType_FirstInGroupFlag = 16397
AlarmConditionType_InputNode = 11120
AlarmConditionType_LastSeverity = 9129
AlarmConditionType_LastSeverity_SourceTimestamp = 9130
AlarmConditionType_LatchedState = 18190
AlarmConditionType_LatchedState_EffectiveDisplayName = 18194
AlarmConditionType_LatchedState_EffectiveTransitionTime = 18196
AlarmConditionType_LatchedState_FalseState = 18198
AlarmConditionType_LatchedState_Id = 18191
AlarmConditionType_LatchedState_Name = 18192
AlarmConditionType_LatchedState_Number = 18193
AlarmConditionType_LatchedState_TransitionTime = 18195
AlarmConditionType_LatchedState_TrueState = 18197
AlarmConditionType_LocalTime = 5546
AlarmConditionType_MaxTimeShelved = 9216
AlarmConditionType_Message = 5547
AlarmConditionType_OffDelay = 16396
AlarmConditionType_OnDelay = 16395
AlarmConditionType_OutOfServiceState = 16371
AlarmConditionType_OutOfServiceState_EffectiveDisplayName = 16375
AlarmConditionType_OutOfServiceState_EffectiveTransitionTime = 16377
AlarmConditionType_OutOfServiceState_FalseState = 16379
AlarmConditionType_OutOfServiceState_Id = 16372
AlarmConditionType_OutOfServiceState_Name = 16373
AlarmConditionType_OutOfServiceState_Number = 16374
AlarmConditionType_OutOfServiceState_TransitionTime = 16376
AlarmConditionType_OutOfServiceState_TrueState = 16378
AlarmConditionType_PlaceInService = 17870
AlarmConditionType_Quality = 9127
AlarmConditionType_Quality_SourceTimestamp = 9128
AlarmConditionType_ReAlarmRepeatCount = 16401
AlarmConditionType_ReAlarmTime = 16400
AlarmConditionType_ReceiveTime = 5545
```

```
AlarmConditionType_RemoveFromService = 17869
AlarmConditionType_Reset = 18199
AlarmConditionType_Retain = 5549
AlarmConditionType_Severity = 5548
AlarmConditionType_ShelvingState = 9178
AlarmConditionType_ShelvingState_AvailableStates = 17658
AlarmConditionType_ShelvingState_AvailableTransitions = 17659
AlarmConditionType_ShelvingState_CurrentState = 9179
AlarmConditionType_ShelvingState_CurrentState_EffectiveDisplayName = 9183
AlarmConditionType_ShelvingState_CurrentState_Id = 9180
AlarmConditionType_ShelvingState_CurrentState_Name = 9181
AlarmConditionType_ShelvingState_CurrentState_Number = 9182
AlarmConditionType_ShelvingState_LastTransition = 9184
AlarmConditionType_ShelvingState_LastTransition_EffectiveTransitionTime = 11466
AlarmConditionType_ShelvingState_LastTransition_Id = 9185
AlarmConditionType_ShelvingState_LastTransition_Name = 9186
AlarmConditionType_ShelvingState_LastTransition_Number = 9187
AlarmConditionType_ShelvingState_LastTransition_TransitionTime = 9188
AlarmConditionType_ShelvingState_OneShotShelve = 9212
AlarmConditionType_ShelvingState_TimedShelve = 9213
AlarmConditionType_ShelvingState_TimedShelve_InputArguments = 9214
AlarmConditionType_ShelvingState_Unshelve = 9211
AlarmConditionType_ShelvingState_UnshelveTime = 9189
AlarmConditionType_Silence = 16402
AlarmConditionType_SilenceState = 16380
AlarmConditionType_SilenceState_EffectiveDisplayName = 16384
AlarmConditionType_SilenceState_EffectiveTransitionTime = 16386
AlarmConditionType_SilenceState_FalseState = 16388
AlarmConditionType_SilenceState_Id = 16381
AlarmConditionType_SilenceState_Name = 16382
AlarmConditionType_SilenceState_Number = 16383
AlarmConditionType_SilenceState_TransitionTime = 16385
AlarmConditionType_SilenceState_TrueState = 16387
AlarmConditionType_SourceName = 5543
AlarmConditionType_SourceNode = 5542
AlarmConditionType_Suppress = 16403
```

```
AlarmConditionType_SuppressedOrShelved = 9215
AlarmConditionType_SuppressedState = 9169
AlarmConditionType_SuppressedState_EffectiveDisplayName = 9173
AlarmConditionType_SuppressedState_EffectiveTransitionTime = 9175
AlarmConditionType_SuppressedState_FalseState = 9177
AlarmConditionType_SuppressedState_Id = 9170
AlarmConditionType_SuppressedState_Name = 9171
AlarmConditionType_SuppressedState_Number = 9172
AlarmConditionType_SuppressedState_TransitionTime = 9174
AlarmConditionType_SuppressedState_TrueState = 9176
AlarmConditionType_Time = 5544
AlarmConditionType_Unsuppress = 17868
AlarmGroupMember = 16362
AlarmGroupType = 16405
AlarmGroupType_AlarmConditionInstance_Placeholder = 16406
AlarmGroupType_AlarmConditionInstance_Placeholder_AckedState = 16443
AlarmGroupType_AlarmConditionInstance_Placeholder_AckedState_EffectiveDisplayName = 16444
AlarmGroupType_AlarmConditionInstance_Placeholder_AckedState_EffectiveTransitionTime = 16445
AlarmGroupType_AlarmConditionInstance_Placeholder_AckedState_FalseState = 16451
AlarmGroupType_AlarmConditionInstance_Placeholder_AckedState_Id = 16444
AlarmGroupType_AlarmConditionInstance_Placeholder_AckedState_Name = 16445
AlarmGroupType_AlarmConditionInstance_Placeholder_AckedState_Number = 16446
AlarmGroupType_AlarmConditionInstance_Placeholder_AckedState_TransitionTime = 16448
AlarmGroupType_AlarmConditionInstance_Placeholder_AckedState_TrueState = 16450
AlarmGroupType_AlarmConditionInstance_Placeholder_Acknowledge = 16461
AlarmGroupType_AlarmConditionInstance_Placeholder_Acknowledge_InputArguments = 16462
AlarmGroupType_AlarmConditionInstance_Placeholder_ActiveState = 16465
AlarmGroupType_AlarmConditionInstance_Placeholder_ActiveState_EffectiveDisplayName = 16466
AlarmGroupType_AlarmConditionInstance_Placeholder_ActiveState_EffectiveTransitionTime = 16467
AlarmGroupType_AlarmConditionInstance_Placeholder_ActiveState_FalseState = 16473
AlarmGroupType_AlarmConditionInstance_Placeholder_ActiveState_Id = 16466
AlarmGroupType_AlarmConditionInstance_Placeholder_ActiveState_Name = 16467
AlarmGroupType_AlarmConditionInstance_Placeholder_ActiveState_Number = 16468
AlarmGroupType_AlarmConditionInstance_Placeholder_ActiveState_TransitionTime = 16470
AlarmGroupType_AlarmConditionInstance_Placeholder_ActiveState_TrueState = 16472
AlarmGroupType_AlarmConditionInstance_Placeholder_AddComment = 16441
```



AlarmGroupType\_AlarmConditionInstance\_Placeholder\_AddComment\_InputArguments = 16442  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_AudibleEnabled = 16521  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_AudibleSound = 16522  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_AudibleSound\_AgencyId = 18201  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_AudibleSound\_ListId = 18200  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_AudibleSound\_VersionId = 18202  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_BranchId = 16421  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ClientUserId = 16438  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_Comment = 16436  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_Comment\_SourceTimestamp = 16437  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ConditionClassId = 16416  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ConditionClassName = 16417  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ConditionName = 16420  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ConditionSubClassId = 16418  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ConditionSubClassName = 16419  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_Confirm = 16463  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_Confirm\_InputArguments = 16464  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ConfirmedState = 16452  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ConfirmedState\_EffectiveDisplayName = 16453  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ConfirmedState\_EffectiveTransitionTime = 16454  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ConfirmedState\_FalseState = 16460  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ConfirmedState\_Id = 16453  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ConfirmedState\_Name = 16454  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ConfirmedState\_Number = 16455  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ConfirmedState\_TransitionTime = 16456  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ConfirmedState\_TrueState = 16459  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_Disable = 16439  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_Enable = 16440  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_EnabledState = 16423  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_EnabledState\_EffectiveDisplayName = 16424  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_EnabledState\_EffectiveTransitionTime = 16425  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_EnabledState\_FalseState = 16431  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_EnabledState\_Id = 16424  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_EnabledState\_Name = 16425  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_EnabledState\_Number = 16426  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_EnabledState\_TransitionTime = 16428

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AlarmGroupType_AlarmConditionInstance_Placeholder_EnabledState_TrueState = 16430
AlarmGroupType_AlarmConditionInstance_Placeholder_EventId = 16407
AlarmGroupType_AlarmConditionInstance_Placeholder_EventType = 16408
AlarmGroupType_AlarmConditionInstance_Placeholder_FirstInGroup = 16530
AlarmGroupType_AlarmConditionInstance_Placeholder_FirstInGroupFlag = 16529
AlarmGroupType_AlarmConditionInstance_Placeholder_InputNode = 16474
AlarmGroupType_AlarmConditionInstance_Placeholder_LastSeverity = 16434
AlarmGroupType_AlarmConditionInstance_Placeholder_LastSeverity_SourceTimestamp = 16435
AlarmGroupType_AlarmConditionInstance_Placeholder_LatchedState = 18203
AlarmGroupType_AlarmConditionInstance_Placeholder_LatchedState_EffectiveDisplayName = 18205
AlarmGroupType_AlarmConditionInstance_Placeholder_LatchedState_EffectiveTransitionTime = 18206
AlarmGroupType_AlarmConditionInstance_Placeholder_LatchedState_FalseState = 18211
AlarmGroupType_AlarmConditionInstance_Placeholder_LatchedState_Id = 18204
AlarmGroupType_AlarmConditionInstance_Placeholder_LatchedState_Name = 18205
AlarmGroupType_AlarmConditionInstance_Placeholder_LatchedState_Number = 18206
AlarmGroupType_AlarmConditionInstance_Placeholder_LatchedState_TransitionTime = 18208
AlarmGroupType_AlarmConditionInstance_Placeholder_LatchedState_TrueState = 18210
AlarmGroupType_AlarmConditionInstance_Placeholder_LocalTime = 16413
AlarmGroupType_AlarmConditionInstance_Placeholder_MaxTimeShelved = 16520
AlarmGroupType_AlarmConditionInstance_Placeholder_Message = 16414
AlarmGroupType_AlarmConditionInstance_Placeholder_OffDelay = 16528
AlarmGroupType_AlarmConditionInstance_Placeholder_OnDelay = 16527
AlarmGroupType_AlarmConditionInstance_Placeholder_OutOfServiceState = 16484
AlarmGroupType_AlarmConditionInstance_Placeholder_OutOfServiceState_EffectiveDisplayName = 16485
AlarmGroupType_AlarmConditionInstance_Placeholder_OutOfServiceState_EffectiveTransitionTime = 16486
AlarmGroupType_AlarmConditionInstance_Placeholder_OutOfServiceState_FalseState = 16492
AlarmGroupType_AlarmConditionInstance_Placeholder_OutOfServiceState_Id = 16485
AlarmGroupType_AlarmConditionInstance_Placeholder_OutOfServiceState_Name = 16486
AlarmGroupType_AlarmConditionInstance_Placeholder_OutOfServiceState_Number = 16487
AlarmGroupType_AlarmConditionInstance_Placeholder_OutOfServiceState_TransitionTime = 16488
AlarmGroupType_AlarmConditionInstance_Placeholder_OutOfServiceState_TrueState = 16491
AlarmGroupType_AlarmConditionInstance_Placeholder_PlaceInService = 17877
AlarmGroupType_AlarmConditionInstance_Placeholder_Quality = 16432
AlarmGroupType_AlarmConditionInstance_Placeholder_Quality_SourceTimestamp = 16433
AlarmGroupType_AlarmConditionInstance_Placeholder_ReAlarmRepeatCount = 16532
AlarmGroupType_AlarmConditionInstance_Placeholder_ReAlarmTime = 16531
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AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ReceiveTime = 16412  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_RemoveFromService = 17876  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_Reset = 18212  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_Retain = 16422  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_Severity = 16415  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ShelvingState = 16502  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ShelvingState\_AvailableStates = 1766  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ShelvingState\_AvailableTransitions =  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ShelvingState\_CurrentState = 16503  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ShelvingState\_CurrentState\_Effective  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ShelvingState\_CurrentState\_Id = 1650  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ShelvingState\_CurrentState\_Name = 16  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ShelvingState\_CurrentState\_Number =  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ShelvingState\_LastTransition = 16508  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ShelvingState\_LastTransition\_Effecti  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ShelvingState\_LastTransition\_Id = 16  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ShelvingState\_LastTransition\_Name =  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ShelvingState\_LastTransition\_Number  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ShelvingState\_LastTransition\_Transit  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ShelvingState\_OneShotShelve = 16516  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ShelvingState\_TimedShelve = 16517  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ShelvingState\_TimedShelve\_InputArgument  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ShelvingState\_Unshelve = 16515  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_ShelvingState\_UnshelveTime = 16514  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_Silence = 16533  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_SilenceState = 16493  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_SilenceState\_EffectiveDisplayName =  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_SilenceState\_EffectiveTransitionTime  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_SilenceState\_FalseState = 16501  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_SilenceState\_Id = 16494  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_SilenceState\_Name = 16495  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_SilenceState\_Number = 16496  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_SilenceState\_TransitionTime = 16498  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_SilenceState\_TrueState = 16500  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_SourceName = 16410  
AlarmGroupType\_AlarmConditionInstance\_Placeholder\_SourceNode = 16409

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AlarmGroupType_AlarmConditionInstance_Placeholder_Suppress = 16534
AlarmGroupType_AlarmConditionInstance_Placeholder_SuppressedOrShelved = 16519
AlarmGroupType_AlarmConditionInstance_Placeholder_SuppressedState = 16475
AlarmGroupType_AlarmConditionInstance_Placeholder_SuppressedState_EffectiveDisplayName = 16476
AlarmGroupType_AlarmConditionInstance_Placeholder_SuppressedState_EffectiveTransitionTime = 16477
AlarmGroupType_AlarmConditionInstance_Placeholder_SuppressedState_FalseState = 16483
AlarmGroupType_AlarmConditionInstance_Placeholder_SuppressedState_Id = 16476
AlarmGroupType_AlarmConditionInstance_Placeholder_SuppressedState_Name = 16477
AlarmGroupType_AlarmConditionInstance_Placeholder_SuppressedState_Number = 16478
AlarmGroupType_AlarmConditionInstance_Placeholder_SuppressedState_TransitionTime = 16479
AlarmGroupType_AlarmConditionInstance_Placeholder_SuppressedState_TrueState = 16482
AlarmGroupType_AlarmConditionInstance_Placeholder_Time = 16411
AlarmGroupType_AlarmConditionInstance_Placeholder_Unsuppress = 17875
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AlarmMetricsType_AlarmCount = 17280
AlarmMetricsType_AverageAlarmRate = 17288
AlarmMetricsType_AverageAlarmRate_Rate = 17289
AlarmMetricsType_CurrentAlarmRate = 17284
AlarmMetricsType_CurrentAlarmRate_Rate = 17285
AlarmMetricsType_MaximumActiveState = 17281
AlarmMetricsType_MaximumAlarmRate = 17286
AlarmMetricsType_MaximumAlarmRate_Rate = 17287
AlarmMetricsType_MaximumReAlarmCount = 17283
AlarmMetricsType_MaximumUnAck = 17282
AlarmMetricsType_Reset = 18666
AlarmMetricsType_StartTime = 17991
AlarmRateVariableType = 17277
AlarmRateVariableType_Rate = 17278
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AnalogItemType_Definition = 3774
AnalogItemType_EURange = 2369
AnalogItemType_EngineeringUnits = 2371
AnalogItemType_InstrumentRange = 2370
AnalogItemType_ValuePrecision = 3775
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Annotation = 891  
Annotation\_Encoding\_DefaultBinary = 893  
Annotation\_Encoding\_DefaultJson = 15382  
Annotation\_Encoding\_DefaultXml = 892  
Annotations = 11214  
AnonymousIdentityToken = 319  
AnonymousIdentityToken\_Encoding\_DefaultBinary = 321  
AnonymousIdentityToken\_Encoding\_DefaultJson = 15141  
AnonymousIdentityToken\_Encoding\_DefaultXml = 320  
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ApplicationDescription = 308  
ApplicationDescription\_Encoding\_DefaultBinary = 310  
ApplicationDescription\_Encoding\_DefaultJson = 15087  
ApplicationDescription\_Encoding\_DefaultXml = 309  
ApplicationInstanceCertificate = 311  
ApplicationType = 307  
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Argument\_Encoding\_DefaultJson = 15081  
Argument\_Encoding\_DefaultXml = 297  
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ArrayItemType\_AxisScaleType = 12028  
ArrayItemType\_Definition = 12022  
ArrayItemType\_EURange = 12025  
ArrayItemType\_EngineeringUnits = 12026  
ArrayItemType\_InstrumentRange = 12024  
ArrayItemType\_Title = 12027  
ArrayItemType\_ValuePrecision = 12023  
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AttributeOperand\_Encoding\_DefaultJson = 15209  
AttributeOperand\_Encoding\_DefaultXml = 599  
AttributeWriteMask = 347  
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AudioVariableType = 17986
AudioVariableType_AgencyId = 17989
AudioVariableType_ListId = 17988
AudioVariableType_VersionId = 17990
AuditActivateSessionEventType = 2075
AuditActivateSessionEventType_ActionTimeStamp = 3309
AuditActivateSessionEventType_ClientAuditEntryId = 3312
AuditActivateSessionEventType_ClientSoftwareCertificates = 2076
AuditActivateSessionEventType_ClientUserId = 3313
AuditActivateSessionEventType_EventId = 3300
AuditActivateSessionEventType_EventType = 3301
AuditActivateSessionEventType_LocalTime = 3306
AuditActivateSessionEventType_Message = 3307
AuditActivateSessionEventType_ReceiveTime = 3305
AuditActivateSessionEventType_SecureChannelId = 11485
AuditActivateSessionEventType_ServerId = 3311
AuditActivateSessionEventType_SessionId = 3314
AuditActivateSessionEventType_Severity = 3308
AuditActivateSessionEventType_SourceName = 3303
AuditActivateSessionEventType_SourceNode = 3302
AuditActivateSessionEventType_Status = 3310
AuditActivateSessionEventType_StatusCodeId = 17621
AuditActivateSessionEventType_Time = 3304
AuditActivateSessionEventType_UserIdentityToken = 2077
AuditAddNodesEventType = 2091
AuditAddNodesEventType_ActionTimeStamp = 3457
AuditAddNodesEventType_ClientAuditEntryId = 3460
AuditAddNodesEventType_ClientUserId = 3461
AuditAddNodesEventType_EventId = 3448
AuditAddNodesEventType_EventType = 3449
AuditAddNodesEventType_LocalTime = 3454
AuditAddNodesEventType_Message = 3455
AuditAddNodesEventType_NodesToAdd = 2092
AuditAddNodesEventType_ReceiveTime = 3453
AuditAddNodesEventType_ServerId = 3459
AuditAddNodesEventType_Severity = 3456
```

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AuditAddNodesEventType_SourceName = 3451
AuditAddNodesEventType_SourceNode = 3450
AuditAddNodesEventType_Status = 3458
AuditAddNodesEventType_Time = 3452
AuditAddReferencesEventType = 2095
AuditAddReferencesEventType_ActionTimeStamp = 3485
AuditAddReferencesEventType_ClientAuditEntryId = 3488
AuditAddReferencesEventType_ClientUserId = 3489
AuditAddReferencesEventType_EventId = 3476
AuditAddReferencesEventType_EventType = 3477
AuditAddReferencesEventType_LocalTime = 3482
AuditAddReferencesEventType_Message = 3483
AuditAddReferencesEventType_ReceiveTime = 3481
AuditAddReferencesEventType_ReferencesToAdd = 2096
AuditAddReferencesEventType_ServerId = 3487
AuditAddReferencesEventType_Severity = 3484
AuditAddReferencesEventType_SourceName = 3479
AuditAddReferencesEventType_SourceNode = 3478
AuditAddReferencesEventType_Status = 3486
AuditAddReferencesEventType_Time = 3480
AuditCancelEventType = 2078
AuditCancelEventType_ActionTimeStamp = 3324
AuditCancelEventType_ClientAuditEntryId = 3327
AuditCancelEventType_ClientUserId = 3328
AuditCancelEventType_EventId = 3315
AuditCancelEventType_EventType = 3316
AuditCancelEventType_LocalTime = 3321
AuditCancelEventType_Message = 3322
AuditCancelEventType_ReceiveTime = 3320
AuditCancelEventType_RequestHandle = 2079
AuditCancelEventType_ServerId = 3326
AuditCancelEventType_SessionId = 3329
AuditCancelEventType_Severity = 3323
AuditCancelEventType_SourceName = 3318
AuditCancelEventType_SourceNode = 3317
AuditCancelEventType_Status = 3325
```

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AuditCancelEventType_StatusCodeId = 17622
AuditCancelEventType_Time = 3319
AuditCertificateDataMismatchEventType = 2082
AuditCertificateDataMismatchEventType_ActionTimeStamp = 3353
AuditCertificateDataMismatchEventType_Certificate = 3358
AuditCertificateDataMismatchEventType_ClientAuditEntryId = 3356
AuditCertificateDataMismatchEventType_ClientUserId = 3357
AuditCertificateDataMismatchEventType_EventId = 3344
AuditCertificateDataMismatchEventType_EventType = 3345
AuditCertificateDataMismatchEventType_InvalidHostname = 2083
AuditCertificateDataMismatchEventType_InvalidUri = 2084
AuditCertificateDataMismatchEventType_LocalTime = 3350
AuditCertificateDataMismatchEventType_Message = 3351
AuditCertificateDataMismatchEventType_ReceiveTime = 3349
AuditCertificateDataMismatchEventType_ServerId = 3355
AuditCertificateDataMismatchEventType_Severity = 3352
AuditCertificateDataMismatchEventType_SourceName = 3347
AuditCertificateDataMismatchEventType_SourceNode = 3346
AuditCertificateDataMismatchEventType_Status = 3354
AuditCertificateDataMismatchEventType_StatusCodeId = 17624
AuditCertificateDataMismatchEventType_Time = 3348
AuditCertificateEventType = 2080
AuditCertificateEventType_ActionTimeStamp = 3339
AuditCertificateEventType_Certificate = 2081
AuditCertificateEventType_ClientAuditEntryId = 3342
AuditCertificateEventType_ClientUserId = 3343
AuditCertificateEventType_EventId = 3330
AuditCertificateEventType_EventType = 3331
AuditCertificateEventType_LocalTime = 3336
AuditCertificateEventType_Message = 3337
AuditCertificateEventType_ReceiveTime = 3335
AuditCertificateEventType_ServerId = 3341
AuditCertificateEventType_Severity = 3338
AuditCertificateEventType_SourceName = 3333
AuditCertificateEventType_SourceNode = 3332
AuditCertificateEventType_Status = 3340
```



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AuditCertificateEventType_StatusCodeId = 17623
AuditCertificateEventType_Time = 3334
AuditCertificateExpiredEventType = 2085
AuditCertificateExpiredEventType_ActionTimeStamp = 3368
AuditCertificateExpiredEventType_Certificate = 3373
AuditCertificateExpiredEventType_ClientAuditEntryId = 3371
AuditCertificateExpiredEventType_ClientUserId = 3372
AuditCertificateExpiredEventType_EventId = 3359
AuditCertificateExpiredEventType_EventType = 3360
AuditCertificateExpiredEventType_LocalTime = 3365
AuditCertificateExpiredEventType_Message = 3366
AuditCertificateExpiredEventType_ReceiveTime = 3364
AuditCertificateExpiredEventType_ServerId = 3370
AuditCertificateExpiredEventType_Severity = 3367
AuditCertificateExpiredEventType_SourceName = 3362
AuditCertificateExpiredEventType_SourceNode = 3361
AuditCertificateExpiredEventType_Status = 3369
AuditCertificateExpiredEventType_StatusCodeId = 17625
AuditCertificateExpiredEventType_Time = 3363
AuditCertificateInvalidEventType = 2086
AuditCertificateInvalidEventType_ActionTimeStamp = 3383
AuditCertificateInvalidEventType_Certificate = 3388
AuditCertificateInvalidEventType_ClientAuditEntryId = 3386
AuditCertificateInvalidEventType_ClientUserId = 3387
AuditCertificateInvalidEventType_EventId = 3374
AuditCertificateInvalidEventType_EventType = 3375
AuditCertificateInvalidEventType_LocalTime = 3380
AuditCertificateInvalidEventType_Message = 3381
AuditCertificateInvalidEventType_ReceiveTime = 3379
AuditCertificateInvalidEventType_ServerId = 3385
AuditCertificateInvalidEventType_Severity = 3382
AuditCertificateInvalidEventType_SourceName = 3377
AuditCertificateInvalidEventType_SourceNode = 3376
AuditCertificateInvalidEventType_Status = 3384
AuditCertificateInvalidEventType_StatusCodeId = 17626
AuditCertificateInvalidEventType_Time = 3378
```

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AuditCertificateMismatchEventType = 2089
AuditCertificateMismatchEventType_ActionTimeStamp = 3428
AuditCertificateMismatchEventType_Certificate = 3433
AuditCertificateMismatchEventType_ClientAuditEntryId = 3431
AuditCertificateMismatchEventType_ClientUserId = 3432
AuditCertificateMismatchEventType_EventId = 3419
AuditCertificateMismatchEventType_EventType = 3420
AuditCertificateMismatchEventType_LocalTime = 3425
AuditCertificateMismatchEventType_Message = 3426
AuditCertificateMismatchEventType_ReceiveTime = 3424
AuditCertificateMismatchEventType_ServerId = 3430
AuditCertificateMismatchEventType_Severity = 3427
AuditCertificateMismatchEventType_SourceName = 3422
AuditCertificateMismatchEventType_SourceNode = 3421
AuditCertificateMismatchEventType_Status = 3429
AuditCertificateMismatchEventType_StatusCodeId = 17629
AuditCertificateMismatchEventType_Time = 3423
AuditCertificateRevokedEventType = 2088
AuditCertificateRevokedEventType_ActionTimeStamp = 3413
AuditCertificateRevokedEventType_Certificate = 3418
AuditCertificateRevokedEventType_ClientAuditEntryId = 3416
AuditCertificateRevokedEventType_ClientUserId = 3417
AuditCertificateRevokedEventType_EventId = 3404
AuditCertificateRevokedEventType_EventType = 3405
AuditCertificateRevokedEventType_LocalTime = 3410
AuditCertificateRevokedEventType_Message = 3411
AuditCertificateRevokedEventType_ReceiveTime = 3409
AuditCertificateRevokedEventType_ServerId = 3415
AuditCertificateRevokedEventType_Severity = 3412
AuditCertificateRevokedEventType_SourceName = 3407
AuditCertificateRevokedEventType_SourceNode = 3406
AuditCertificateRevokedEventType_Status = 3414
AuditCertificateRevokedEventType_StatusCodeId = 17628
AuditCertificateRevokedEventType_Time = 3408
AuditCertificateUntrustedEventType = 2087
AuditCertificateUntrustedEventType_ActionTimeStamp = 3398
```

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AuditCertificateUntrustedEventType_Certificate = 3403
AuditCertificateUntrustedEventType_ClientAuditEntryId = 3401
AuditCertificateUntrustedEventType_ClientUserId = 3402
AuditCertificateUntrustedEventType_EventId = 3389
AuditCertificateUntrustedEventType_EventType = 3390
AuditCertificateUntrustedEventType_LocalTime = 3395
AuditCertificateUntrustedEventType_Message = 3396
AuditCertificateUntrustedEventType_ReceiveTime = 3394
AuditCertificateUntrustedEventType_ServerId = 3400
AuditCertificateUntrustedEventType_Severity = 3397
AuditCertificateUntrustedEventType_SourceName = 3392
AuditCertificateUntrustedEventType_SourceNode = 3391
AuditCertificateUntrustedEventType_Status = 3399
AuditCertificateUntrustedEventType_StatusCodeId = 17627
AuditCertificateUntrustedEventType_Time = 3393
AuditChannelEventType = 2059
AuditChannelEventType_ActionTimeStamp = 3232
AuditChannelEventType_ClientAuditEntryId = 3235
AuditChannelEventType_ClientUserId = 3236
AuditChannelEventType_EventId = 3223
AuditChannelEventType_EventType = 3224
AuditChannelEventType_LocalTime = 3229
AuditChannelEventType_Message = 3230
AuditChannelEventType_ReceiveTime = 3228
AuditChannelEventType_SecureChannelId = 2745
AuditChannelEventType_ServerId = 3234
AuditChannelEventType_Severity = 3231
AuditChannelEventType_SourceName = 3226
AuditChannelEventType_SourceNode = 3225
AuditChannelEventType_Status = 3233
AuditChannelEventType_StatusCodeId = 17616
AuditChannelEventType_Time = 3227
AuditConditionAcknowledgeEventType = 8944
AuditConditionAcknowledgeEventType_ActionTimeStamp = 8954
AuditConditionAcknowledgeEventType_ClientAuditEntryId = 8957
AuditConditionAcknowledgeEventType_ClientUserId = 8958
```

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AuditConditionAcknowledgeEventType_Comment = 11853
AuditConditionAcknowledgeEventType_ConditionEventId = 17223
AuditConditionAcknowledgeEventType_EventId = 8945
AuditConditionAcknowledgeEventType_EventType = 8946
AuditConditionAcknowledgeEventType_InputArguments = 8960
AuditConditionAcknowledgeEventType_LocalTime = 8951
AuditConditionAcknowledgeEventType_Message = 8952
AuditConditionAcknowledgeEventType_MethodId = 8959
AuditConditionAcknowledgeEventType_ReceiveTime = 8950
AuditConditionAcknowledgeEventType_ServerId = 8956
AuditConditionAcknowledgeEventType_Severity = 8953
AuditConditionAcknowledgeEventType_SourceName = 8948
AuditConditionAcknowledgeEventType_SourceNode = 8947
AuditConditionAcknowledgeEventType_Status = 8955
AuditConditionAcknowledgeEventType_Time = 8949
AuditConditionCommentEventType = 2829
AuditConditionCommentEventType_ActionTimeStamp = 4179
AuditConditionCommentEventType_ClientAuditEntryId = 4182
AuditConditionCommentEventType_ClientUserId = 4183
AuditConditionCommentEventType_Comment = 11851
AuditConditionCommentEventType_ConditionEventId = 17222
AuditConditionCommentEventType_EventId = 4170
AuditConditionCommentEventType_EventType = 4171
AuditConditionCommentEventType_InputArguments = 4185
AuditConditionCommentEventType_LocalTime = 4176
AuditConditionCommentEventType_Message = 4177
AuditConditionCommentEventType_MethodId = 4184
AuditConditionCommentEventType_ReceiveTime = 4175
AuditConditionCommentEventType_ServerId = 4181
AuditConditionCommentEventType_Severity = 4178
AuditConditionCommentEventType_SourceName = 4173
AuditConditionCommentEventType_SourceNode = 4172
AuditConditionCommentEventType_Status = 4180
AuditConditionCommentEventType_Time = 4174
AuditConditionConfirmEventType = 8961
AuditConditionConfirmEventType_ActionTimeStamp = 8971
```

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AuditConditionConfirmEventType_ClientAuditEntryId = 8974
AuditConditionConfirmEventType_ClientUserId = 8975
AuditConditionConfirmEventType_Comment = 11854
AuditConditionConfirmEventType_ConditionEventId = 17224
AuditConditionConfirmEventType_EventId = 8962
AuditConditionConfirmEventType_EventType = 8963
AuditConditionConfirmEventType_InputArguments = 8977
AuditConditionConfirmEventType_LocalTime = 8968
AuditConditionConfirmEventType_Message = 8969
AuditConditionConfirmEventType_MethodId = 8976
AuditConditionConfirmEventType_ReceiveTime = 8967
AuditConditionConfirmEventType_ServerId = 8973
AuditConditionConfirmEventType_Severity = 8970
AuditConditionConfirmEventType_SourceName = 8965
AuditConditionConfirmEventType_SourceNode = 8964
AuditConditionConfirmEventType_Status = 8972
AuditConditionConfirmEventType_Time = 8966
AuditConditionEnableEventType = 2803
AuditConditionEnableEventType_ActionTimeStamp = 4115
AuditConditionEnableEventType_ClientAuditEntryId = 4118
AuditConditionEnableEventType_ClientUserId = 4119
AuditConditionEnableEventType_EventId = 4106
AuditConditionEnableEventType_EventType = 4107
AuditConditionEnableEventType_InputArguments = 4121
AuditConditionEnableEventType_LocalTime = 4112
AuditConditionEnableEventType_Message = 4113
AuditConditionEnableEventType_MethodId = 4120
AuditConditionEnableEventType_ReceiveTime = 4111
AuditConditionEnableEventType_ServerId = 4117
AuditConditionEnableEventType_Severity = 4114
AuditConditionEnableEventType_SourceName = 4109
AuditConditionEnableEventType_SourceNode = 4108
AuditConditionEnableEventType_Status = 4116
AuditConditionEnableEventType_Time = 4110
AuditConditionEventType = 2790
AuditConditionEventType_ActionTimeStamp = 4005
```

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AuditConditionEventType_ClientAuditEntryId = 4008
AuditConditionEventType_ClientUserId = 4009
AuditConditionEventType_EventId = 3996
AuditConditionEventType_EventType = 3997
AuditConditionEventType_InputArguments = 4011
AuditConditionEventType_LocalTime = 4002
AuditConditionEventType_Message = 4003
AuditConditionEventType_MethodId = 4010
AuditConditionEventType_ReceiveTime = 4001
AuditConditionEventType_ServerId = 4007
AuditConditionEventType_Severity = 4004
AuditConditionEventType_SourceName = 3999
AuditConditionEventType_SourceNode = 3998
AuditConditionEventType_Status = 4006
AuditConditionEventType_Time = 4000
AuditConditionOutOfServiceEventType = 17259
AuditConditionOutOfServiceEventType_ActionTimeStamp = 17269
AuditConditionOutOfServiceEventType_ClientAuditEntryId = 17272
AuditConditionOutOfServiceEventType_ClientUserId = 17273
AuditConditionOutOfServiceEventType_EventId = 17260
AuditConditionOutOfServiceEventType_EventType = 17261
AuditConditionOutOfServiceEventType_InputArguments = 17275
AuditConditionOutOfServiceEventType_LocalTime = 17266
AuditConditionOutOfServiceEventType_Message = 17267
AuditConditionOutOfServiceEventType_MethodId = 17274
AuditConditionOutOfServiceEventType_ReceiveTime = 17265
AuditConditionOutOfServiceEventType_ServerId = 17271
AuditConditionOutOfServiceEventType_Severity = 17268
AuditConditionOutOfServiceEventType_SourceName = 17263
AuditConditionOutOfServiceEventType_SourceNode = 17262
AuditConditionOutOfServiceEventType_Status = 17270
AuditConditionOutOfServiceEventType_Time = 17264
AuditConditionResetEventType = 15013
AuditConditionResetEventType_ActionTimeStamp = 15023
AuditConditionResetEventType_ClientAuditEntryId = 15026
AuditConditionResetEventType_ClientUserId = 15027
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AuditConditionResetEventType_EventId = 15014
AuditConditionResetEventType_EventType = 15015
AuditConditionResetEventType_InputArguments = 15029
AuditConditionResetEventType_LocalTime = 15020
AuditConditionResetEventType_Message = 15021
AuditConditionResetEventType_MethodId = 15028
AuditConditionResetEventType_ReceiveTime = 15019
AuditConditionResetEventType_ServerId = 15025
AuditConditionResetEventType_Severity = 15022
AuditConditionResetEventType_SourceName = 15017
AuditConditionResetEventType_SourceNode = 15016
AuditConditionResetEventType_Status = 15024
AuditConditionResetEventType_Time = 15018
AuditConditionRespondEventType = 8927
AuditConditionRespondEventType_ActionTimeStamp = 8937
AuditConditionRespondEventType_ClientAuditEntryId = 8940
AuditConditionRespondEventType_ClientUserId = 8941
AuditConditionRespondEventType_EventId = 8928
AuditConditionRespondEventType_EventType = 8929
AuditConditionRespondEventType_InputArguments = 8943
AuditConditionRespondEventType_LocalTime = 8934
AuditConditionRespondEventType_Message = 8935
AuditConditionRespondEventType_MethodId = 8942
AuditConditionRespondEventType_ReceiveTime = 8933
AuditConditionRespondEventType_SelectedResponse = 11852
AuditConditionRespondEventType_ServerId = 8939
AuditConditionRespondEventType_Severity = 8936
AuditConditionRespondEventType_SourceName = 8931
AuditConditionRespondEventType_SourceNode = 8930
AuditConditionRespondEventType_Status = 8938
AuditConditionRespondEventType_Time = 8932
AuditConditionShelvingEventType = 11093
AuditConditionShelvingEventType_ActionTimeStamp = 11103
AuditConditionShelvingEventType_ClientAuditEntryId = 11106
AuditConditionShelvingEventType_ClientUserId = 11107
AuditConditionShelvingEventType_EventId = 11094
```

```
AuditConditionShelvingEventType_EventType = 11095
AuditConditionShelvingEventType_InputArguments = 11109
AuditConditionShelvingEventType_LocalTime = 11100
AuditConditionShelvingEventType_Message = 11101
AuditConditionShelvingEventType_MethodId = 11108
AuditConditionShelvingEventType_ReceiveTime = 11099
AuditConditionShelvingEventType_ServerId = 11105
AuditConditionShelvingEventType_Severity = 11102
AuditConditionShelvingEventType_ShelvingTime = 11855
AuditConditionShelvingEventType_SourceName = 11097
AuditConditionShelvingEventType_SourceNode = 11096
AuditConditionShelvingEventType_Status = 11104
AuditConditionShelvingEventType_Time = 11098
AuditConditionSilenceEventType = 17242
AuditConditionSilenceEventType_ActionTimeStamp = 17252
AuditConditionSilenceEventType_ClientAuditEntryId = 17255
AuditConditionSilenceEventType_ClientUserId = 17256
AuditConditionSilenceEventType_EventId = 17243
AuditConditionSilenceEventType_EventType = 17244
AuditConditionSilenceEventType_InputArguments = 17258
AuditConditionSilenceEventType_LocalTime = 17249
AuditConditionSilenceEventType_Message = 17250
AuditConditionSilenceEventType_MethodId = 17257
AuditConditionSilenceEventType_ReceiveTime = 17248
AuditConditionSilenceEventType_ServerId = 17254
AuditConditionSilenceEventType_Severity = 17251
AuditConditionSilenceEventType_SourceName = 17246
AuditConditionSilenceEventType_SourceNode = 17245
AuditConditionSilenceEventType_Status = 17253
AuditConditionSilenceEventType_Time = 17247
AuditConditionSuppressEventType = 17225
AuditConditionSuppressEventType_ActionTimeStamp = 17235
AuditConditionSuppressEventType_ClientAuditEntryId = 17238
AuditConditionSuppressEventType_ClientUserId = 17239
AuditConditionSuppressEventType_EventId = 17226
AuditConditionSuppressEventType_EventType = 17227
```



```
AuditConditionSuppressEventType_InputArguments = 17241
AuditConditionSuppressEventType_LocalTime = 17232
AuditConditionSuppressEventType_Message = 17233
AuditConditionSuppressEventType_MethodId = 17240
AuditConditionSuppressEventType_ReceiveTime = 17231
AuditConditionSuppressEventType_ServerId = 17237
AuditConditionSuppressEventType_Severity = 17234
AuditConditionSuppressEventType_SourceName = 17229
AuditConditionSuppressEventType_SourceNode = 17228
AuditConditionSuppressEventType_Status = 17236
AuditConditionSuppressEventType_Time = 17230
AuditCreateSessionEventType = 2071
AuditCreateSessionEventType_ActionTimeStamp = 3275
AuditCreateSessionEventType_ClientAuditEntryId = 3278
AuditCreateSessionEventType_ClientCertificate = 2073
AuditCreateSessionEventType_ClientCertificateThumbprint = 2747
AuditCreateSessionEventType_ClientUserId = 3279
AuditCreateSessionEventType_EventId = 3266
AuditCreateSessionEventType_EventType = 3267
AuditCreateSessionEventType_LocalTime = 3272
AuditCreateSessionEventType_Message = 3273
AuditCreateSessionEventType_ReceiveTime = 3271
AuditCreateSessionEventType_RevisedSessionTimeout = 2074
AuditCreateSessionEventType_SecureChannelId = 2072
AuditCreateSessionEventType_ServerId = 3277
AuditCreateSessionEventType_SessionId = 14413
AuditCreateSessionEventType_Severity = 3274
AuditCreateSessionEventType_SourceName = 3269
AuditCreateSessionEventType_SourceNode = 3268
AuditCreateSessionEventType_Status = 3276
AuditCreateSessionEventType_StatusCodeId = 17619
AuditCreateSessionEventType_Time = 3270
AuditDeleteNodesEventType = 2093
AuditDeleteNodesEventType_ActionTimeStamp = 3471
AuditDeleteNodesEventType_ClientAuditEntryId = 3474
AuditDeleteNodesEventType_ClientUserId = 3475
```

```
AuditDeleteNodesEventType_EventId = 3462
AuditDeleteNodesEventType_EventType = 3463
AuditDeleteNodesEventType_LocalTime = 3468
AuditDeleteNodesEventType_Message = 3469
AuditDeleteNodesEventType_NodesToDelete = 2094
AuditDeleteNodesEventType_ReceiveTime = 3467
AuditDeleteNodesEventType_ServerId = 3473
AuditDeleteNodesEventType_Severity = 3470
AuditDeleteNodesEventType_SourceName = 3465
AuditDeleteNodesEventType_SourceNode = 3464
AuditDeleteNodesEventType_Status = 3472
AuditDeleteNodesEventType_Time = 3466
AuditDeleteReferencesEventType = 2097
AuditDeleteReferencesEventType_ActionTimeStamp = 3499
AuditDeleteReferencesEventType_ClientAuditEntryId = 3502
AuditDeleteReferencesEventType_ClientUserId = 3503
AuditDeleteReferencesEventType_EventId = 3490
AuditDeleteReferencesEventType_EventType = 3491
AuditDeleteReferencesEventType_LocalTime = 3496
AuditDeleteReferencesEventType_Message = 3497
AuditDeleteReferencesEventType_ReceiveTime = 3495
AuditDeleteReferencesEventType_ReferencesToDelete = 2098
AuditDeleteReferencesEventType_ServerId = 3501
AuditDeleteReferencesEventType_Severity = 3498
AuditDeleteReferencesEventType_SourceName = 3493
AuditDeleteReferencesEventType_SourceNode = 3492
AuditDeleteReferencesEventType_Status = 3500
AuditDeleteReferencesEventType_Time = 3494
AuditEventType = 2052
AuditEventType_ActionTimeStamp = 2053
AuditEventType_ClientAuditEntryId = 2056
AuditEventType_ClientUserId = 2057
AuditEventType_EventId = 3200
AuditEventType_EventType = 3201
AuditEventType_LocalTime = 3206
AuditEventType_Message = 3207
```

```
AuditEventType_ReceiveTime = 3205
AuditEventType_ServerId = 2055
AuditEventType_Severity = 3208
AuditEventType_SourceName = 3203
AuditEventType_SourceNode = 3202
AuditEventType_Status = 2054
AuditEventType_Time = 3204
AuditHistoryAtTimeDeleteEventType = 3019
AuditHistoryAtTimeDeleteEventType_ActionTimeStamp = 3616
AuditHistoryAtTimeDeleteEventType_ClientAuditEntryId = 3619
AuditHistoryAtTimeDeleteEventType_ClientUserId = 3620
AuditHistoryAtTimeDeleteEventType_EventId = 3607
AuditHistoryAtTimeDeleteEventType_EventType = 3608
AuditHistoryAtTimeDeleteEventType_LocalTime = 3613
AuditHistoryAtTimeDeleteEventType_Message = 3614
AuditHistoryAtTimeDeleteEventType_OldValues = 3021
AuditHistoryAtTimeDeleteEventType_ParameterDataTypeId = 3621
AuditHistoryAtTimeDeleteEventType_ReceiveTime = 3612
AuditHistoryAtTimeDeleteEventType_ReqTimes = 3020
AuditHistoryAtTimeDeleteEventType_ServerId = 3618
AuditHistoryAtTimeDeleteEventType_Severity = 3615
AuditHistoryAtTimeDeleteEventType_SourceName = 3610
AuditHistoryAtTimeDeleteEventType_SourceNode = 3609
AuditHistoryAtTimeDeleteEventType_Status = 3617
AuditHistoryAtTimeDeleteEventType_Time = 3611
AuditHistoryAtTimeDeleteEventType_UpdatedNode = 3622
AuditHistoryDeleteEventType = 3012
AuditHistoryDeleteEventType_ActionTimeStamp = 3585
AuditHistoryDeleteEventType_ClientAuditEntryId = 3588
AuditHistoryDeleteEventType_ClientUserId = 3589
AuditHistoryDeleteEventType_EventId = 3576
AuditHistoryDeleteEventType_EventType = 3577
AuditHistoryDeleteEventType_LocalTime = 3582
AuditHistoryDeleteEventType_Message = 3583
AuditHistoryDeleteEventType_ParameterDataTypeId = 3590
AuditHistoryDeleteEventType_ReceiveTime = 3581
```

```
AuditHistoryDeleteEventType_ServerId = 3587
AuditHistoryDeleteEventType_Severity = 3584
AuditHistoryDeleteEventType_SourceName = 3579
AuditHistoryDeleteEventType_SourceNode = 3578
AuditHistoryDeleteEventType_Status = 3586
AuditHistoryDeleteEventType_Time = 3580
AuditHistoryDeleteEventType_UpdatedNode = 3027
AuditHistoryEventDeleteEventType = 3022
AuditHistoryEventDeleteEventType_ActionTimeStamp = 3632
AuditHistoryEventDeleteEventType_ClientAuditEntryId = 3635
AuditHistoryEventDeleteEventType_ClientUserId = 3636
AuditHistoryEventDeleteEventType_EventId = 3623
AuditHistoryEventDeleteEventType_EventIds = 3023
AuditHistoryEventDeleteEventType_EventType = 3624
AuditHistoryEventDeleteEventType_LocalTime = 3629
AuditHistoryEventDeleteEventType_Message = 3630
AuditHistoryEventDeleteEventType_OldValues = 3024
AuditHistoryEventDeleteEventType_ParameterDataTypeId = 3637
AuditHistoryEventDeleteEventType_ReceiveTime = 3628
AuditHistoryEventDeleteEventType_ServerId = 3634
AuditHistoryEventDeleteEventType_Severity = 3631
AuditHistoryEventDeleteEventType_SourceName = 3626
AuditHistoryEventDeleteEventType_SourceNode = 3625
AuditHistoryEventDeleteEventType_Status = 3633
AuditHistoryEventDeleteEventType_Time = 3627
AuditHistoryEventDeleteEventType_UpdatedNode = 3638
AuditHistoryEventUpdateEventType = 2999
AuditHistoryEventUpdateEventType_ActionTimeStamp = 3555
AuditHistoryEventUpdateEventType_ClientAuditEntryId = 3558
AuditHistoryEventUpdateEventType_ClientUserId = 3559
AuditHistoryEventUpdateEventType_EventId = 3546
AuditHistoryEventUpdateEventType_EventType = 3547
AuditHistoryEventUpdateEventType_Filter = 3003
AuditHistoryEventUpdateEventType_LocalTime = 3552
AuditHistoryEventUpdateEventType_Message = 3553
AuditHistoryEventUpdateEventType_NewValues = 3029
```

```
AuditHistoryEventUpdateEventType_OldValues = 3030
AuditHistoryEventUpdateEventType_ParameterDataTypeId = 3560
AuditHistoryEventUpdateEventType_PerformInsertReplace = 3028
AuditHistoryEventUpdateEventType_ReceiveTime = 3551
AuditHistoryEventUpdateEventType_ServerId = 3557
AuditHistoryEventUpdateEventType_Severity = 3554
AuditHistoryEventUpdateEventType_SourceName = 3549
AuditHistoryEventUpdateEventType_SourceNode = 3548
AuditHistoryEventUpdateEventType_Status = 3556
AuditHistoryEventUpdateEventType_Time = 3550
AuditHistoryEventUpdateEventType_UpdatedNode = 3025
AuditHistoryRawModifyDeleteEventType = 3014
AuditHistoryRawModifyDeleteEventType_ActionTimeStamp = 3600
AuditHistoryRawModifyDeleteEventType_ClientAuditEntryId = 3603
AuditHistoryRawModifyDeleteEventType_ClientUserId = 3604
AuditHistoryRawModifyDeleteEventType_EndTime = 3017
AuditHistoryRawModifyDeleteEventType_EventId = 3591
AuditHistoryRawModifyDeleteEventType_EventType = 3592
AuditHistoryRawModifyDeleteEventType_IsDeleteModified = 3015
AuditHistoryRawModifyDeleteEventType_LocalTime = 3597
AuditHistoryRawModifyDeleteEventType_Message = 3598
AuditHistoryRawModifyDeleteEventType_OldValues = 3034
AuditHistoryRawModifyDeleteEventType_ParameterDataTypeId = 3605
AuditHistoryRawModifyDeleteEventType_ReceiveTime = 3596
AuditHistoryRawModifyDeleteEventType_ServerId = 3602
AuditHistoryRawModifyDeleteEventType_Severity = 3599
AuditHistoryRawModifyDeleteEventType_SourceName = 3594
AuditHistoryRawModifyDeleteEventType_SourceNode = 3593
AuditHistoryRawModifyDeleteEventType_StartTime = 3016
AuditHistoryRawModifyDeleteEventType_Status = 3601
AuditHistoryRawModifyDeleteEventType_Time = 3595
AuditHistoryRawModifyDeleteEventType_UpdatedNode = 3606
AuditHistoryUpdateEventType = 2104
AuditHistoryUpdateEventType_ActionTimeStamp = 3541
AuditHistoryUpdateEventType_ClientAuditEntryId = 3544
AuditHistoryUpdateEventType_ClientUserId = 3545
```

```
AuditHistoryUpdateEventType_EventId = 3532
AuditHistoryUpdateEventType_EventType = 3533
AuditHistoryUpdateEventType_LocalTime = 3538
AuditHistoryUpdateEventType_Message = 3539
AuditHistoryUpdateEventType_ParameterDataTypeId = 2751
AuditHistoryUpdateEventType_ReceiveTime = 3537
AuditHistoryUpdateEventType_ServerId = 3543
AuditHistoryUpdateEventType_Severity = 3540
AuditHistoryUpdateEventType_SourceName = 3535
AuditHistoryUpdateEventType_SourceNode = 3534
AuditHistoryUpdateEventType_Status = 3542
AuditHistoryUpdateEventType_Time = 3536
AuditHistoryValueUpdateEventType = 3006
AuditHistoryValueUpdateEventType_ActionTimeStamp = 3570
AuditHistoryValueUpdateEventType_ClientAuditEntryId = 3573
AuditHistoryValueUpdateEventType_ClientUserId = 3574
AuditHistoryValueUpdateEventType_EventId = 3561
AuditHistoryValueUpdateEventType_EventType = 3562
AuditHistoryValueUpdateEventType_LocalTime = 3567
AuditHistoryValueUpdateEventType_Message = 3568
AuditHistoryValueUpdateEventType_NewValues = 3032
AuditHistoryValueUpdateEventType_OldValues = 3033
AuditHistoryValueUpdateEventType_ParameterDataTypeId = 3575
AuditHistoryValueUpdateEventType_PerformInsertReplace = 3031
AuditHistoryValueUpdateEventType_ReceiveTime = 3566
AuditHistoryValueUpdateEventType_ServerId = 3572
AuditHistoryValueUpdateEventType_Severity = 3569
AuditHistoryValueUpdateEventType_SourceName = 3564
AuditHistoryValueUpdateEventType_SourceNode = 3563
AuditHistoryValueUpdateEventType_Status = 3571
AuditHistoryValueUpdateEventType_Time = 3565
AuditHistoryValueUpdateEventType_UpdatedNode = 3026
AuditNodeManagementEventType = 2090
AuditNodeManagementEventType_ActionTimeStamp = 3443
AuditNodeManagementEventType_ClientAuditEntryId = 3446
AuditNodeManagementEventType_ClientUserId = 3447
```

```
AuditNodeManagementEventType_EventId = 3434
AuditNodeManagementEventType_EventType = 3435
AuditNodeManagementEventType_LocalTime = 3440
AuditNodeManagementEventType_Message = 3441
AuditNodeManagementEventType_ReceiveTime = 3439
AuditNodeManagementEventType_ServerId = 3445
AuditNodeManagementEventType_Severity = 3442
AuditNodeManagementEventType_SourceName = 3437
AuditNodeManagementEventType_SourceNode = 3436
AuditNodeManagementEventType_Status = 3444
AuditNodeManagementEventType_Time = 3438
AuditOpenSecureChannelEventType = 2060
AuditOpenSecureChannelEventType_ActionTimeStamp = 3246
AuditOpenSecureChannelEventType_ClientAuditEntryId = 3249
AuditOpenSecureChannelEventType_ClientCertificate = 2061
AuditOpenSecureChannelEventType_ClientCertificateThumbprint = 2746
AuditOpenSecureChannelEventType_ClientUserId = 3250
AuditOpenSecureChannelEventType_EventId = 3237
AuditOpenSecureChannelEventType_EventType = 3238
AuditOpenSecureChannelEventType_LocalTime = 3243
AuditOpenSecureChannelEventType_Message = 3244
AuditOpenSecureChannelEventType_ReceiveTime = 3242
AuditOpenSecureChannelEventType_RequestType = 2062
AuditOpenSecureChannelEventType_RequestedLifetime = 2066
AuditOpenSecureChannelEventType_SecureChannelId = 3251
AuditOpenSecureChannelEventType_SecurityMode = 2065
AuditOpenSecureChannelEventType_SecurityPolicyUri = 2063
AuditOpenSecureChannelEventType_ServerId = 3248
AuditOpenSecureChannelEventType_Severity = 3245
AuditOpenSecureChannelEventType_SourceName = 3240
AuditOpenSecureChannelEventType_SourceNode = 3239
AuditOpenSecureChannelEventType_Status = 3247
AuditOpenSecureChannelEventType_StatusCodeId = 17617
AuditOpenSecureChannelEventType_Time = 3241
AuditProgramTransitionEventType = 11856
AuditProgramTransitionEventType_ActionTimeStamp = 11866
```

```
AuditProgramTransitionEventType_ClientAuditEntryId = 11869
AuditProgramTransitionEventType_ClientUserId = 11870
AuditProgramTransitionEventType_EventId = 11857
AuditProgramTransitionEventType_EventType = 11858
AuditProgramTransitionEventType_InputArguments = 11872
AuditProgramTransitionEventType_LocalTime = 11863
AuditProgramTransitionEventType_Message = 11864
AuditProgramTransitionEventType_MethodId = 11871
AuditProgramTransitionEventType_NewStateId = 11874
AuditProgramTransitionEventType_OldStateId = 11873
AuditProgramTransitionEventType_ReceiveTime = 11862
AuditProgramTransitionEventType_ServerId = 11868
AuditProgramTransitionEventType_Severity = 11865
AuditProgramTransitionEventType_SourceName = 11860
AuditProgramTransitionEventType_SourceNode = 11859
AuditProgramTransitionEventType_Status = 11867
AuditProgramTransitionEventType_Time = 11861
AuditProgramTransitionEventType_TransitionNumber = 11875
AuditSecurityEventType = 2058
AuditSecurityEventType_ActionTimeStamp = 3218
AuditSecurityEventType_ClientAuditEntryId = 3221
AuditSecurityEventType_ClientUserId = 3222
AuditSecurityEventType_EventId = 3209
AuditSecurityEventType_EventType = 3210
AuditSecurityEventType_LocalTime = 3215
AuditSecurityEventType_Message = 3216
AuditSecurityEventType_ReceiveTime = 3214
AuditSecurityEventType_ServerId = 3220
AuditSecurityEventType_Severity = 3217
AuditSecurityEventType_SourceName = 3212
AuditSecurityEventType_SourceNode = 3211
AuditSecurityEventType_Status = 3219
AuditSecurityEventType_StatusCodeId = 17615
AuditSecurityEventType_Time = 3213
AuditSessionEventType = 2069
AuditSessionEventType_ActionTimeStamp = 3261
```



```
AuditSessionEventType_ClientAuditEntryId = 3264
AuditSessionEventType_ClientUserId = 3265
AuditSessionEventType_EventId = 3252
AuditSessionEventType_EventType = 3253
AuditSessionEventType_LocalTime = 3258
AuditSessionEventType_Message = 3259
AuditSessionEventType_ReceiveTime = 3257
AuditSessionEventType_ServerId = 3263
AuditSessionEventType_SessionId = 2070
AuditSessionEventType_Severity = 3260
AuditSessionEventType_SourceName = 3255
AuditSessionEventType_SourceNode = 3254
AuditSessionEventType_Status = 3262
AuditSessionEventType_StatusCodeId = 17618
AuditSessionEventType_Time = 3256
AuditUpdateEventType = 2099
AuditUpdateEventType_ActionTimeStamp = 3513
AuditUpdateEventType_ClientAuditEntryId = 3516
AuditUpdateEventType_ClientUserId = 3517
AuditUpdateEventType_EventId = 3504
AuditUpdateEventType_EventType = 3505
AuditUpdateEventType_LocalTime = 3510
AuditUpdateEventType_Message = 3511
AuditUpdateEventType_ReceiveTime = 3509
AuditUpdateEventType_ServerId = 3515
AuditUpdateEventType_Severity = 3512
AuditUpdateEventType_SourceName = 3507
AuditUpdateEventType_SourceNode = 3506
AuditUpdateEventType_Status = 3514
AuditUpdateEventType_Time = 3508
AuditUpdateMethodEventType = 2127
AuditUpdateMethodEventType_ActionTimeStamp = 3648
AuditUpdateMethodEventType_ClientAuditEntryId = 3651
AuditUpdateMethodEventType_ClientUserId = 3652
AuditUpdateMethodEventType_EventId = 3639
AuditUpdateMethodEventType_EventType = 3640
```

```
AuditUpdateMethodEventType_InputArguments = 2129
AuditUpdateMethodEventType_LocalTime = 3645
AuditUpdateMethodEventType_Message = 3646
AuditUpdateMethodEventType_MethodId = 2128
AuditUpdateMethodEventType_ReceiveTime = 3644
AuditUpdateMethodEventType_ServerId = 3650
AuditUpdateMethodEventType_Severity = 3647
AuditUpdateMethodEventType_SourceName = 3642
AuditUpdateMethodEventType_SourceNode = 3641
AuditUpdateMethodEventType_Status = 3649
AuditUpdateMethodEventType_Time = 3643
AuditUpdateStateEventType = 2315
AuditUpdateStateEventType_ActionTimeStamp = 3767
AuditUpdateStateEventType_ClientAuditEntryId = 3770
AuditUpdateStateEventType_ClientUserId = 3771
AuditUpdateStateEventType_EventId = 3758
AuditUpdateStateEventType_EventType = 3759
AuditUpdateStateEventType_InputArguments = 3773
AuditUpdateStateEventType_LocalTime = 3764
AuditUpdateStateEventType_Message = 3765
AuditUpdateStateEventType_MethodId = 3772
AuditUpdateStateEventType_NewStateId = 2778
AuditUpdateStateEventType_OldStateId = 2777
AuditUpdateStateEventType_ReceiveTime = 3763
AuditUpdateStateEventType_ServerId = 3769
AuditUpdateStateEventType_Severity = 3766
AuditUpdateStateEventType_SourceName = 3761
AuditUpdateStateEventType_SourceNode = 3760
AuditUpdateStateEventType_Status = 3768
AuditUpdateStateEventType_Time = 3762
AuditUrlMismatchEventType = 2748
AuditUrlMismatchEventType_ActionTimeStamp = 3290
AuditUrlMismatchEventType_ClientAuditEntryId = 3293
AuditUrlMismatchEventType_ClientCertificate = 3297
AuditUrlMismatchEventType_ClientCertificateThumbprint = 3298
AuditUrlMismatchEventType_ClientUserId = 3294
```

```
AuditUrlMismatchEventType_EndpointUrl = 2749
AuditUrlMismatchEventType_EventId = 3281
AuditUrlMismatchEventType_EventType = 3282
AuditUrlMismatchEventType_LocalTime = 3287
AuditUrlMismatchEventType_Message = 3288
AuditUrlMismatchEventType_ReceiveTime = 3286
AuditUrlMismatchEventType_RevisedSessionTimeout = 3299
AuditUrlMismatchEventType_SecureChannelId = 3296
AuditUrlMismatchEventType_ServerId = 3292
AuditUrlMismatchEventType_SessionId = 14414
AuditUrlMismatchEventType_Severity = 3289
AuditUrlMismatchEventType_SourceName = 3284
AuditUrlMismatchEventType_SourceNode = 3283
AuditUrlMismatchEventType_Status = 3291
AuditUrlMismatchEventType_StatusCodeId = 17620
AuditUrlMismatchEventType_Time = 3285
AuditWriteUpdateEventType = 2100
AuditWriteUpdateEventType_ActionTimeStamp = 3527
AuditWriteUpdateEventType_AttributeId = 2750
AuditWriteUpdateEventType_ClientAuditEntryId = 3530
AuditWriteUpdateEventType_ClientUserId = 3531
AuditWriteUpdateEventType_EventId = 3518
AuditWriteUpdateEventType_EventType = 3519
AuditWriteUpdateEventType_IndexRange = 2101
AuditWriteUpdateEventType_LocalTime = 3524
AuditWriteUpdateEventType_Message = 3525
AuditWriteUpdateEventType_NewValue = 2103
AuditWriteUpdateEventType_OldValue = 2102
AuditWriteUpdateEventType_ReceiveTime = 3523
AuditWriteUpdateEventType_ServerId = 3529
AuditWriteUpdateEventType_Severity = 3526
AuditWriteUpdateEventType_SourceName = 3521
AuditWriteUpdateEventType_SourceNode = 3520
AuditWriteUpdateEventType_Status = 3528
AuditWriteUpdateEventType_Time = 3522
AuthorizationServiceConfigurationType = 17852
```

```
AuthorizationServiceConfigurationType_IssuerEndpointUrl = 18073
AuthorizationServiceConfigurationType_ServiceCertificate = 17860
AuthorizationServiceConfigurationType_ServiceUri = 18072
AuthorizationServices = 17732
AuthorizationServices_ServiceName_Placeholder = 17733
AuthorizationServices_ServiceName_Placeholder_IssuerEndpointUrl = 18071
AuthorizationServices_ServiceName_Placeholder_ServiceCertificate = 18066
AuthorizationServices_ServiceName_Placeholder_ServiceUri = 18070
AxisInformation = 12079
AxisInformation_Encoding_DefaultBinary = 12089
AxisInformation_Encoding_DefaultJson = 15379
AxisInformation_Encoding_DefaultXml = 12081
AxisScaleEnumeration = 12077
AxisScaleEnumeration_EnumStrings = 12078
BaseConditionClassType = 11163
BaseDataType = 24
BaseDataVariableType = 63
BaseEventType = 2041
BaseEventType_EventId = 2042
BaseEventType_EventType = 2043
BaseEventType_LocalTime = 3190
BaseEventType_Message = 2050
BaseEventType_ReceiveTime = 2047
BaseEventType_Severity = 2051
BaseEventType_SourceName = 2045
BaseEventType_SourceNode = 2044
BaseEventType_Time = 2046
BaseModelChangeEvent = 2132
BaseModelChangeEvent_EventId = 3671
BaseModelChangeEvent_EventType = 3672
BaseModelChangeEvent_LocalTime = 3677
BaseModelChangeEvent_Message = 3678
BaseModelChangeEvent_ReceiveTime = 3676
BaseModelChangeEvent_Severity = 3679
BaseModelChangeEvent_SourceName = 3674
BaseModelChangeEvent_SourceNode = 3673
```

```
BaseModelChangeEventTime = 3675
BaseObjectType = 58
BaseVariableType = 62
BitFieldMaskDataType = 11737
Boolean = 1
BrokerConnectionTransportDataType = 15007
BrokerConnectionTransportDataType_Encoding_DefaultBinary = 15479
BrokerConnectionTransportDataType_Encoding_DefaultJson = 15726
BrokerConnectionTransportDataType_Encoding_DefaultXml = 15579
BrokerConnectionTransportType = 15155
BrokerConnectionTransportType_AuthenticationProfileUri = 15178
BrokerConnectionTransportType_ResourceUri = 15156
BrokerDataSetReaderTransportDataType = 15670
BrokerDataSetReaderTransportDataType_Encoding_DefaultBinary = 15733
BrokerDataSetReaderTransportDataType_Encoding_DefaultJson = 16526
BrokerDataSetReaderTransportDataType_Encoding_DefaultXml = 16023
BrokerDataSetReaderTransportType = 21142
BrokerDataSetReaderTransportType_AuthenticationProfileUri = 15419
BrokerDataSetReaderTransportType_MetaDataQueueName = 21144
BrokerDataSetReaderTransportType_QueueName = 21143
BrokerDataSetReaderTransportType_RequestedDeliveryGuarantee = 15420
BrokerDataSetReaderTransportType_ResourceUri = 15334
BrokerDataSetWriterTransportDataType = 15669
BrokerDataSetWriterTransportDataType_Encoding_DefaultBinary = 15729
BrokerDataSetWriterTransportDataType_Encoding_DefaultJson = 16525
BrokerDataSetWriterTransportDataType_Encoding_DefaultXml = 16022
BrokerDataSetWriterTransportType = 21138
BrokerDataSetWriterTransportType_AuthenticationProfileUri = 15251
BrokerDataSetWriterTransportType_MetaDataQueueName = 21140
BrokerDataSetWriterTransportType_MetaDataUpdateTime = 21141
BrokerDataSetWriterTransportType_QueueName = 21139
BrokerDataSetWriterTransportType_RequestedDeliveryGuarantee = 15330
BrokerDataSetWriterTransportType_ResourceUri = 15250
BrokerTransportQualityOfService = 15008
BrokerTransportQualityOfService_EnumStrings = 15009
BrokerWriterGroupTransportDataType = 15667
```

```
BrokerWriterGroupTransportDataType_Encoding_DefaultBinary = 15727
BrokerWriterGroupTransportDataType_Encoding_DefaultJson = 16524
BrokerWriterGroupTransportDataType_Encoding_DefaultXml = 16021
BrokerWriterGroupTransportType = 21136
BrokerWriterGroupTransportType_AuthenticationProfileUri = 15247
BrokerWriterGroupTransportType_QueueName = 21137
BrokerWriterGroupTransportType_RequestedDeliveryGuarantee = 15249
BrokerWriterGroupTransportType_ResourceUri = 15246
BrowseDescription = 514
BrowseDescription_Encoding_DefaultBinary = 516
BrowseDescription_Encoding_DefaultJson = 15180
BrowseDescription_Encoding_DefaultXml = 515
BrowseDirection = 510
BrowseDirection_EnumStrings = 7603
BrowseNextRequest = 531
BrowseNextRequest_Encoding_DefaultBinary = 533
BrowseNextRequest_Encoding_DefaultJson = 15186
BrowseNextRequest_Encoding_DefaultXml = 532
BrowseNextResponse = 534
BrowseNextResponse_Encoding_DefaultBinary = 536
BrowseNextResponse_Encoding_DefaultJson = 15187
BrowseNextResponse_Encoding_DefaultXml = 535
BrowsePath = 543
BrowsePathResult = 549
BrowsePathResult_Encoding_DefaultBinary = 551
BrowsePathResult_Encoding_DefaultJson = 15192
BrowsePathResult_Encoding_DefaultXml = 550
BrowsePathTarget = 546
BrowsePathTarget_Encoding_DefaultBinary = 548
BrowsePathTarget_Encoding_DefaultJson = 15191
BrowsePathTarget_Encoding_DefaultXml = 547
BrowsePath_Encoding_DefaultBinary = 545
BrowsePath_Encoding_DefaultJson = 15190
BrowsePath_Encoding_DefaultXml = 544
BrowseRequest = 525
BrowseRequest_Encoding_DefaultBinary = 527
```

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BrowseRequest_Encoding_DefaultJson = 15184
BrowseRequest_Encoding_DefaultXml = 526
BrowseResponse = 528
BrowseResponse_Encoding_DefaultBinary = 530
BrowseResponse_Encoding_DefaultJson = 15185
BrowseResponse_Encoding_DefaultXml = 529
BrowseResult = 522
BrowseResultMask = 517
BrowseResultMask_EnumValues = 11883
BrowseResult_Encoding_DefaultBinary = 524
BrowseResult_Encoding_DefaultJson = 15183
BrowseResult_Encoding_DefaultXml = 523
BuildInfo = 338
BuildInfoType = 3051
BuildInfoType_BuildDate = 3057
BuildInfoType_BuildNumber = 3056
BuildInfoType_ManufacturerName = 3053
BuildInfoType_ProductName = 3054
BuildInfoType_ProductUri = 3052
BuildInfoType_SoftwareVersion = 3055
BuildInfo_Encoding_DefaultBinary = 340
BuildInfo_Encoding_DefaultJson = 15361
BuildInfo_Encoding_DefaultXml = 339
Byte = 3
ByteString = 15
CallMethodRequest = 704
CallMethodRequest_Encoding_DefaultBinary = 706
CallMethodRequest_Encoding_DefaultJson = 15289
CallMethodRequest_Encoding_DefaultXml = 705
CallMethodResult = 707
CallMethodResult_Encoding_DefaultBinary = 709
CallMethodResult_Encoding_DefaultJson = 15290
CallMethodResult_Encoding_DefaultXml = 708
CallRequest = 710
CallRequest_Encoding_DefaultBinary = 712
CallRequest_Encoding_DefaultJson = 15291
```

```
CallRequest_Encoding_DefaultXml = 711
CallResponse = 713
CallResponse_Encoding_DefaultBinary = 715
CallResponse_Encoding_DefaultJson = 15292
CallResponse_Encoding_DefaultXml = 714
CancelRequest = 477
CancelRequest_Encoding_DefaultBinary = 479
CancelRequest_Encoding_DefaultJson = 15149
CancelRequest_Encoding_DefaultXml = 478
CancelResponse = 480
CancelResponse_Encoding_DefaultBinary = 482
CancelResponse_Encoding_DefaultJson = 15150
CancelResponse_Encoding_DefaultXml = 481
CertificateExpirationAlarmType = 13225
CertificateExpirationAlarmType_AckedState = 13264
CertificateExpirationAlarmType_AckedState_EffectiveDisplayName = 13268
CertificateExpirationAlarmType_AckedState_EffectiveTransitionTime = 13270
CertificateExpirationAlarmType_AckedState_FalseState = 13272
CertificateExpirationAlarmType_AckedState_Id = 13265
CertificateExpirationAlarmType_AckedState_Name = 13266
CertificateExpirationAlarmType_AckedState_Number = 13267
CertificateExpirationAlarmType_AckedState_TransitionTime = 13269
CertificateExpirationAlarmType_AckedState_TrueState = 13271
CertificateExpirationAlarmType_Acknowledge = 13282
CertificateExpirationAlarmType_Acknowledge_InputArguments = 13283
CertificateExpirationAlarmType_ActiveState = 13286
CertificateExpirationAlarmType_ActiveState_EffectiveDisplayName = 13290
CertificateExpirationAlarmType_ActiveState_EffectiveTransitionTime = 13292
CertificateExpirationAlarmType_ActiveState_FalseState = 13294
CertificateExpirationAlarmType_ActiveState_Id = 13287
CertificateExpirationAlarmType_ActiveState_Name = 13288
CertificateExpirationAlarmType_ActiveState_Number = 13289
CertificateExpirationAlarmType_ActiveState_TransitionTime = 13291
CertificateExpirationAlarmType_ActiveState_TrueState = 13293
CertificateExpirationAlarmType_AddComment = 13258
CertificateExpirationAlarmType_AddComment_InputArguments = 13259
```



CertificateExpirationAlarmType\_AlarmGroup\_Placeholder = 17074  
CertificateExpirationAlarmType\_AudibleEnabled = 17064  
CertificateExpirationAlarmType\_AudibleSound = 17065  
CertificateExpirationAlarmType\_AudibleSound\_AgencyId = 17971  
CertificateExpirationAlarmType\_AudibleSound\_ListId = 17970  
CertificateExpirationAlarmType\_AudibleSound\_VersionId = 17972  
CertificateExpirationAlarmType\_BranchId = 13238  
CertificateExpirationAlarmType\_Certificate = 13327  
CertificateExpirationAlarmType\_CertificateType = 13326  
CertificateExpirationAlarmType\_ClientUserId = 13255  
CertificateExpirationAlarmType\_Comment = 13253  
CertificateExpirationAlarmType\_Comment\_SourceTimestamp = 13254  
CertificateExpirationAlarmType\_ConditionClassId = 13235  
CertificateExpirationAlarmType\_ConditionClassName = 13236  
CertificateExpirationAlarmType\_ConditionName = 13237  
CertificateExpirationAlarmType\_ConditionRefresh = 13260  
CertificateExpirationAlarmType\_ConditionRefresh2 = 13262  
CertificateExpirationAlarmType\_ConditionRefresh2\_InputArguments = 13263  
CertificateExpirationAlarmType\_ConditionRefresh\_InputArguments = 13261  
CertificateExpirationAlarmType\_ConditionSubClassId = 17044  
CertificateExpirationAlarmType\_ConditionSubClassName = 17045  
CertificateExpirationAlarmType\_Confirm = 13284  
CertificateExpirationAlarmType\_Confirm\_InputArguments = 13285  
CertificateExpirationAlarmType\_ConfirmedState = 13273  
CertificateExpirationAlarmType\_ConfirmedState\_EffectiveDisplayName = 13277  
CertificateExpirationAlarmType\_ConfirmedState\_EffectiveTransitionTime = 13279  
CertificateExpirationAlarmType\_ConfirmedState\_FalseState = 13281  
CertificateExpirationAlarmType\_ConfirmedState\_Id = 13274  
CertificateExpirationAlarmType\_ConfirmedState\_Name = 13275  
CertificateExpirationAlarmType\_ConfirmedState\_Number = 13276  
CertificateExpirationAlarmType\_ConfirmedState\_TransitionTime = 13278  
CertificateExpirationAlarmType\_ConfirmedState\_TrueState = 13280  
CertificateExpirationAlarmType\_Disable = 13256  
CertificateExpirationAlarmType\_Enable = 13257  
CertificateExpirationAlarmType\_EnabledState = 13240  
CertificateExpirationAlarmType\_EnabledState\_EffectiveDisplayName = 13244

CertificateExpirationAlarmType\_EnabledState\_EffectiveTransitionTime = 13246  
CertificateExpirationAlarmType\_EnabledState\_FalseState = 13248  
CertificateExpirationAlarmType\_EnabledState\_Id = 13241  
CertificateExpirationAlarmType\_EnabledState\_Name = 13242  
CertificateExpirationAlarmType\_EnabledState\_Number = 13243  
CertificateExpirationAlarmType\_EnabledState\_TransitionTime = 13245  
CertificateExpirationAlarmType\_EnabledState\_TrueState = 13247  
CertificateExpirationAlarmType\_EventId = 13226  
CertificateExpirationAlarmType\_EventType = 13227  
CertificateExpirationAlarmType\_ExpirationDate = 13325  
CertificateExpirationAlarmType\_ExpirationLimit = 14900  
CertificateExpirationAlarmType\_FirstInGroup = 17073  
CertificateExpirationAlarmType\_FirstInGroupFlag = 17072  
CertificateExpirationAlarmType\_InputNode = 13295  
CertificateExpirationAlarmType\_LastSeverity = 13251  
CertificateExpirationAlarmType\_LastSeverity\_SourceTimestamp = 13252  
CertificateExpirationAlarmType\_LatchedState = 18645  
CertificateExpirationAlarmType\_LatchedState\_EffectiveDisplayName = 18649  
CertificateExpirationAlarmType\_LatchedState\_EffectiveTransitionTime = 18651  
CertificateExpirationAlarmType\_LatchedState\_FalseState = 18653  
CertificateExpirationAlarmType\_LatchedState\_Id = 18646  
CertificateExpirationAlarmType\_LatchedState\_Name = 18647  
CertificateExpirationAlarmType\_LatchedState\_Number = 18648  
CertificateExpirationAlarmType\_LatchedState\_TransitionTime = 18650  
CertificateExpirationAlarmType\_LatchedState\_TrueState = 18652  
CertificateExpirationAlarmType\_LocalTime = 13232  
CertificateExpirationAlarmType\_MaxTimeShelved = 13323  
CertificateExpirationAlarmType\_Message = 13233  
CertificateExpirationAlarmType\_NormalState = 13324  
CertificateExpirationAlarmType\_OffDelay = 17071  
CertificateExpirationAlarmType\_OnDelay = 17070  
CertificateExpirationAlarmType\_OutOfServiceState = 17046  
CertificateExpirationAlarmType\_OutOfServiceState\_EffectiveDisplayName = 17050  
CertificateExpirationAlarmType\_OutOfServiceState\_EffectiveTransitionTime = 17052  
CertificateExpirationAlarmType\_OutOfServiceState\_FalseState = 17054  
CertificateExpirationAlarmType\_OutOfServiceState\_Id = 17047

```
CertificateExpirationAlarmType_OutOfServiceState_Name = 17048
CertificateExpirationAlarmType_OutOfServiceState_Number = 17049
CertificateExpirationAlarmType_OutOfServiceState_TransitionTime = 17051
CertificateExpirationAlarmType_OutOfServiceState_TrueState = 17053
CertificateExpirationAlarmType_PlaceInService = 17975
CertificateExpirationAlarmType_Quality = 13249
CertificateExpirationAlarmType_Quality_SourceTimestamp = 13250
CertificateExpirationAlarmType_ReAlarmRepeatCount = 17076
CertificateExpirationAlarmType_ReAlarmTime = 17075
CertificateExpirationAlarmType_ReceiveTime = 13231
CertificateExpirationAlarmType_RemoveFromService = 17974
CertificateExpirationAlarmType_Reset = 18654
CertificateExpirationAlarmType_Retain = 13239
CertificateExpirationAlarmType_Severity = 13234
CertificateExpirationAlarmType_ShelvingState = 13305
CertificateExpirationAlarmType_ShelvingState_AvailableStates = 17700
CertificateExpirationAlarmType_ShelvingState_AvailableTransitions = 17701
CertificateExpirationAlarmType_ShelvingState_CurrentState = 13306
CertificateExpirationAlarmType_ShelvingState_CurrentState_EffectiveDisplayName = 13310
CertificateExpirationAlarmType_ShelvingState_CurrentState_Id = 13307
CertificateExpirationAlarmType_ShelvingState_CurrentState_Name = 13308
CertificateExpirationAlarmType_ShelvingState_CurrentState_Number = 13309
CertificateExpirationAlarmType_ShelvingState_LastTransition = 13311
CertificateExpirationAlarmType_ShelvingState_LastTransition_EffectiveTransitionTime = 13312
CertificateExpirationAlarmType_ShelvingState_LastTransition_Id = 13312
CertificateExpirationAlarmType_ShelvingState_LastTransition_Name = 13313
CertificateExpirationAlarmType_ShelvingState_LastTransition_Number = 13314
CertificateExpirationAlarmType_ShelvingState_LastTransition_TransitionTime = 13315
CertificateExpirationAlarmType_ShelvingState_OneShotShelve = 13319
CertificateExpirationAlarmType_ShelvingState_TimedShelve = 13320
CertificateExpirationAlarmType_ShelvingState_TimedShelve_InputArguments = 13321
CertificateExpirationAlarmType_ShelvingState_Unshelve = 13318
CertificateExpirationAlarmType_ShelvingState_UnshelveTime = 13317
CertificateExpirationAlarmType_Silence = 17077
CertificateExpirationAlarmType_SilenceState = 17055
CertificateExpirationAlarmType_SilenceState_EffectiveDisplayName = 17059
```

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CertificateExpirationAlarmType_SilenceState_EffectiveTransitionTime = 17061
CertificateExpirationAlarmType_SilenceState_FalseState = 17063
CertificateExpirationAlarmType_SilenceState_Id = 17056
CertificateExpirationAlarmType_SilenceState_Name = 17057
CertificateExpirationAlarmType_SilenceState_Number = 17058
CertificateExpirationAlarmType_SilenceState_TransitionTime = 17060
CertificateExpirationAlarmType_SilenceState_TrueState = 17062
CertificateExpirationAlarmType_SourceName = 13229
CertificateExpirationAlarmType_SourceNode = 13228
CertificateExpirationAlarmType_Suppress = 17078
CertificateExpirationAlarmType_SuppressedOrShelved = 13322
CertificateExpirationAlarmType_SuppressedState = 13296
CertificateExpirationAlarmType_SuppressedState_EffectiveDisplayName = 13300
CertificateExpirationAlarmType_SuppressedState_EffectiveTransitionTime = 13302
CertificateExpirationAlarmType_SuppressedState_FalseState = 13304
CertificateExpirationAlarmType_SuppressedState_Id = 13297
CertificateExpirationAlarmType_SuppressedState_Name = 13298
CertificateExpirationAlarmType_SuppressedState_Number = 13299
CertificateExpirationAlarmType_SuppressedState_TransitionTime = 13301
CertificateExpirationAlarmType_SuppressedState_TrueState = 13303
CertificateExpirationAlarmType_Time = 13230
CertificateExpirationAlarmType_Unsuppress = 17973
CertificateGroupFolderType = 13813
CertificateGroupFolderType_AdditionalGroup_Placeholder = 13916
CertificateGroupFolderType_AdditionalGroup_Placeholder_CertificateTypes = 13949
CertificateGroupFolderType_AdditionalGroup_Placeholder_TrustList = 13917
CertificateGroupFolderType_AdditionalGroup_Placeholder_TrustList_AddCertificate = 1394
CertificateGroupFolderType_AdditionalGroup_Placeholder_TrustList_AddCertificate_InputA
CertificateGroupFolderType_AdditionalGroup_Placeholder_TrustList_Close = 13926
CertificateGroupFolderType_AdditionalGroup_Placeholder_TrustList_CloseAndUpdate = 1394
CertificateGroupFolderType_AdditionalGroup_Placeholder_TrustList_CloseAndUpdate_InputA
CertificateGroupFolderType_AdditionalGroup_Placeholder_TrustList_CloseAndUpdate_Output
CertificateGroupFolderType_AdditionalGroup_Placeholder_TrustList_Close_InputArguments
CertificateGroupFolderType_AdditionalGroup_Placeholder_TrustList_GetPosition = 13933
CertificateGroupFolderType_AdditionalGroup_Placeholder_TrustList_GetPosition_InputArgu
CertificateGroupFolderType_AdditionalGroup_Placeholder_TrustList_GetPosition_OutputArg
```

CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_LastUpdateTime = 1393  
CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_MimeType = 13922  
CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_Open = 13923  
CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_OpenCount = 13921  
CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_OpenWithMasks = 13939  
CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_OpenWithMasks\_InputArguments = 13939  
CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_OpenWithMasks\_OutputArguments = 13939  
CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_Open\_InputArguments = 13923  
CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_Open\_OutputArguments = 13923  
CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_Read = 13928  
CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_Read\_InputArguments = 13928  
CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_Read\_OutputArguments = 13928  
CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_RemoveCertificate = 13936  
CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_RemoveCertificate\_InputArguments = 13936  
CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_SetPosition = 13936  
CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_SetPosition\_InputArguments = 13936  
CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_Size = 13918  
CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_UserWritable = 13920  
CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_Writable = 13919  
CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_Write = 13931  
CertificateGroupFolderType\_AdditionalGroup\_Placeholder\_TrustList\_Write\_InputArguments = 13931  
CertificateGroupFolderType\_DefaultApplicationGroup = 13814  
CertificateGroupFolderType\_DefaultApplicationGroup\_CertificateTypes = 13847  
CertificateGroupFolderType\_DefaultApplicationGroup\_TrustList = 13815  
CertificateGroupFolderType\_DefaultApplicationGroup\_TrustList\_AddCertificate = 13843  
CertificateGroupFolderType\_DefaultApplicationGroup\_TrustList\_AddCertificate\_InputArguments = 13843  
CertificateGroupFolderType\_DefaultApplicationGroup\_TrustList\_Close = 13824  
CertificateGroupFolderType\_DefaultApplicationGroup\_TrustList\_CloseAndUpdate = 13840  
CertificateGroupFolderType\_DefaultApplicationGroup\_TrustList\_CloseAndUpdate\_InputArguments = 13840  
CertificateGroupFolderType\_DefaultApplicationGroup\_TrustList\_CloseAndUpdate\_OutputArguments = 13840  
CertificateGroupFolderType\_DefaultApplicationGroup\_TrustList\_Close\_InputArguments = 13824  
CertificateGroupFolderType\_DefaultApplicationGroup\_TrustList\_GetPosition = 13831  
CertificateGroupFolderType\_DefaultApplicationGroup\_TrustList\_GetPosition\_InputArguments = 13831  
CertificateGroupFolderType\_DefaultApplicationGroup\_TrustList\_GetPosition\_OutputArguments = 13831  
CertificateGroupFolderType\_DefaultApplicationGroup\_TrustList\_LastUpdateTime = 13836  
CertificateGroupFolderType\_DefaultApplicationGroup\_TrustList\_MimeType = 13820

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CertificateGroupFolderType_DefaultApplicationGroup_TrustList_Open = 13821
CertificateGroupFolderType_DefaultApplicationGroup_TrustList_OpenCount = 13819
CertificateGroupFolderType_DefaultApplicationGroup_TrustList_OpenWithMasks = 13837
CertificateGroupFolderType_DefaultApplicationGroup_TrustList_OpenWithMasks_InputArgument
CertificateGroupFolderType_DefaultApplicationGroup_TrustList_OpenWithMasks_OutputArgument
CertificateGroupFolderType_DefaultApplicationGroup_TrustList_Open_InputArguments = 138
CertificateGroupFolderType_DefaultApplicationGroup_TrustList_Open_OutputArguments = 13
CertificateGroupFolderType_DefaultApplicationGroup_TrustList_Read = 13826
CertificateGroupFolderType_DefaultApplicationGroup_TrustList_Read_InputArguments = 138
CertificateGroupFolderType_DefaultApplicationGroup_TrustList_Read_OutputArguments = 13
CertificateGroupFolderType_DefaultApplicationGroup_TrustList_RemoveCertificate = 13845
CertificateGroupFolderType_DefaultApplicationGroup_TrustList_RemoveCertificate_InputAr
CertificateGroupFolderType_DefaultApplicationGroup_TrustList_SetPosition = 13834
CertificateGroupFolderType_DefaultApplicationGroup_TrustList_SetPosition_InputArgument
CertificateGroupFolderType_DefaultApplicationGroup_TrustList_Size = 13816
CertificateGroupFolderType_DefaultApplicationGroup_TrustList_UserWritable = 13818
CertificateGroupFolderType_DefaultApplicationGroup_TrustList_Writable = 13817
CertificateGroupFolderType_DefaultApplicationGroup_TrustList_Write = 13829
CertificateGroupFolderType_DefaultApplicationGroup_TrustList_Write_InputArguments = 13
CertificateGroupFolderType_DefaultHttpsGroup = 13848
CertificateGroupFolderType_DefaultHttpsGroup_CertificateTypes = 13881
CertificateGroupFolderType_DefaultHttpsGroup_TrustList = 13849
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_AddCertificate = 13877
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_AddCertificate_InputArguments =
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_Close = 13858
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_CloseAndUpdate = 13874
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_CloseAndUpdate_InputArguments =
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_CloseAndUpdate_OutputArguments :
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_Close_InputArguments = 13859
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_GetPosition = 13865
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_GetPosition_InputArguments = 13
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_GetPosition_OutputArguments = 1
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_LastUpdateTime = 13870
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_MimeType = 13854
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_Open = 13855
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_OpenCount = 13853
```

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CertificateGroupFolderType_DefaultHttpsGroup_TrustList_OpenWithMasks = 13871
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_OpenWithMasks_InputArguments = 
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_OpenWithMasks_OutputArguments = 
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_Open_InputArguments = 13856
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_Open_OutputArguments = 13857
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_Read = 13860
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_Read_InputArguments = 13861
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_Read_OutputArguments = 13862
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_RemoveCertificate = 13879
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_RemoveCertificate_InputArgument
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_SetPosition = 13868
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_SetPosition_InputArguments = 13
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_Size = 13850
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_UserWritable = 13852
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_Writable = 13851
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_Write = 13863
CertificateGroupFolderType_DefaultHttpsGroup_TrustList_Write_InputArguments = 13864
CertificateGroupFolderType_DefaultUserTokenGroup = 13882
CertificateGroupFolderType_DefaultUserTokenGroup_CertificateTypes = 13915
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList = 13883
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_AddCertificate = 13911
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_AddCertificate_InputArgument
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_Close = 13892
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_CloseAndUpdate = 13908
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_CloseAndUpdate_InputArgument
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_CloseAndUpdate_OutputArgument
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_Close_InputArguments = 1389
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_GetPosition = 13899
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_GetPosition_InputArguments :
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_GetPosition_OutputArguments
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_LastUpdateTime = 13904
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_MimeType = 13888
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_Open = 13889
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_OpenCount = 13887
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_OpenWithMasks = 13905
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_OpenWithMasks_InputArgument
```

```
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_OpenWithMasks_OutputArgument
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_Open_InputArguments = 13890
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_Open_OutputArguments = 1389
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_Read = 13894
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_Read_InputArguments = 13895
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_Read_OutputArguments = 1389
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_RemoveCertificate = 13913
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_RemoveCertificate_InputArgument
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_SetPosition = 13902
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_SetPosition_InputArguments =
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_Size = 13884
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_UserWritable = 13886
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_Writable = 13885
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_Write = 13897
CertificateGroupFolderType_DefaultUserTokenGroup_TrustList_Write_InputArguments = 1389
CertificateGroupType = 12555
CertificateGroupType_CertificateTypes = 13631
CertificateGroupType_TrustList = 13599
CertificateGroupType_TrustList_AddCertificate = 13627
CertificateGroupType_TrustList_AddCertificate_InputArguments = 13628
CertificateGroupType_TrustList_Close = 13608
CertificateGroupType_TrustList_CloseAndUpdate = 13624
CertificateGroupType_TrustList_CloseAndUpdate_InputArguments = 13625
CertificateGroupType_TrustList_CloseAndUpdate_OutputArguments = 13626
CertificateGroupType_TrustList_Close_InputArguments = 13609
CertificateGroupType_TrustList_GetPosition = 13615
CertificateGroupType_TrustList_GetPosition_InputArguments = 13616
CertificateGroupType_TrustList_GetPosition_OutputArguments = 13617
CertificateGroupType_TrustList_LastUpdateTime = 13620
CertificateGroupType_TrustList_MimeType = 13604
CertificateGroupType_TrustList_Open = 13605
CertificateGroupType_TrustList_OpenCount = 13603
CertificateGroupType_TrustList_OpenWithMasks = 13621
CertificateGroupType_TrustList_OpenWithMasks_InputArguments = 13622
CertificateGroupType_TrustList_OpenWithMasks_OutputArguments = 13623
CertificateGroupType_TrustList_Open_InputArguments = 13606
```



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CertificateGroupType_TrustList_Open_OutputArguments = 13607
CertificateGroupType_TrustList_Read = 13610
CertificateGroupType_TrustList_Read_InputArguments = 13611
CertificateGroupType_TrustList_Read_OutputArguments = 13612
CertificateGroupType_TrustList_RemoveCertificate = 13629
CertificateGroupType_TrustList_RemoveCertificate_InputArguments = 13630
CertificateGroupType_TrustList_SetPosition = 13618
CertificateGroupType_TrustList_SetPosition_InputArguments = 13619
CertificateGroupType_TrustList_Size = 13600
CertificateGroupType_TrustList_UserWritable = 13602
CertificateGroupType_TrustList_Writable = 13601
CertificateGroupType_TrustList_Write = 13613
CertificateGroupType_TrustList_Write_InputArguments = 13614
CertificateType = 12556
CertificateUpdatedAuditEventType = 12620
CertificateUpdatedAuditEventType_ActionTimeStamp = 12630
CertificateUpdatedAuditEventType_CertificateGroup = 13735
CertificateUpdatedAuditEventType_CertificateType = 13736
CertificateUpdatedAuditEventType_ClientAuditEntryId = 12633
CertificateUpdatedAuditEventType_ClientUserId = 12634
CertificateUpdatedAuditEventType_EventId = 12621
CertificateUpdatedAuditEventType_EventType = 12622
CertificateUpdatedAuditEventType_InputArguments = 12636
CertificateUpdatedAuditEventType_LocalTime = 12627
CertificateUpdatedAuditEventType_Message = 12628
CertificateUpdatedAuditEventType_MethodId = 12635
CertificateUpdatedAuditEventType_ReceiveTime = 12626
CertificateUpdatedAuditEventType_ServerId = 12632
CertificateUpdatedAuditEventType_Severity = 12629
CertificateUpdatedAuditEventType_SourceName = 12624
CertificateUpdatedAuditEventType_SourceNode = 12623
CertificateUpdatedAuditEventType_Status = 12631
CertificateUpdatedAuditEventType_Time = 12625
ChannelSecurityToken = 441
ChannelSecurityToken-Encoding_DefaultBinary = 443
ChannelSecurityToken-Encoding_DefaultJson = 15131
```

```
ChannelSecurityToken_Encoding_DefaultXml = 442
CloseAndCommitMethodType = 15800
CloseAndCommitMethodType_InputArguments = 15801
CloseAndCommitMethodType_OutputArguments = 15802
CloseAndUpdateMethodType = 12516
CloseAndUpdateMethodType_InputArguments = 12704
CloseAndUpdateMethodType_OutputArguments = 12517
CloseMethodType = 11741
CloseMethodType_InputArguments = 11742
CloseSecureChannelRequest = 450
CloseSecureChannelRequest_Encoding_DefaultBinary = 452
CloseSecureChannelRequest_Encoding_DefaultJson = 15134
CloseSecureChannelRequest_Encoding_DefaultXml = 451
CloseSecureChannelResponse = 453
CloseSecureChannelResponse_Encoding_DefaultBinary = 455
CloseSecureChannelResponse_Encoding_DefaultJson = 15135
CloseSecureChannelResponse_Encoding_DefaultXml = 454
CloseSessionRequest = 471
CloseSessionRequest_Encoding_DefaultBinary = 473
CloseSessionRequest_Encoding_DefaultJson = 15147
CloseSessionRequest_Encoding_DefaultXml = 472
CloseSessionResponse = 474
CloseSessionResponse_Encoding_DefaultBinary = 476
CloseSessionResponse_Encoding_DefaultJson = 15148
CloseSessionResponse_Encoding_DefaultXml = 475
ComplexNumberType = 12171
ComplexNumberType_Encoding_DefaultBinary = 12181
ComplexNumberType_Encoding_DefaultJson = 15377
ComplexNumberType_Encoding_DefaultXml = 12173
ConditionRefresh2MethodType = 12914
ConditionRefresh2MethodType_InputArguments = 12915
ConditionRefreshMethodType = 9007
ConditionRefreshMethodType_InputArguments = 9008
ConditionType = 2782
ConditionType_AddComment = 9029
ConditionType_AddComment_InputArguments = 9030
```

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ConditionType_BranchId = 9010
ConditionType_ClientUserId = 9026
ConditionType_Comment = 9024
ConditionType_Comment_SourceTimestamp = 9025
ConditionType_ConditionClassId = 11112
ConditionType_ConditionClassName = 11113
ConditionType_ConditionName = 9009
ConditionType_ConditionRefresh = 3875
ConditionType_ConditionRefresh2 = 12912
ConditionType_ConditionRefresh2_InputArguments = 12913
ConditionType_ConditionRefresh_InputArguments = 3876
ConditionType_ConditionSubClassId = 16363
ConditionType_ConditionSubClassName = 16364
ConditionType_Disable = 9028
ConditionType_Enable = 9027
ConditionType_EnabledState = 9011
ConditionType_EnabledState_EffectiveDisplayName = 9015
ConditionType_EnabledState_EffectiveTransitionTime = 9017
ConditionType_EnabledState_FalseState = 9019
ConditionType_EnabledState_Id = 9012
ConditionType_EnabledState_Name = 9013
ConditionType_EnabledState_Number = 9014
ConditionType_EnabledState_TransitionTime = 9016
ConditionType_EnabledState_TrueState = 9018
ConditionType_EventId = 3865
ConditionType_EventType = 3866
ConditionType_LastSeverity = 9022
ConditionType_LastSeverity_SourceTimestamp = 9023
ConditionType_LocalTime = 3871
ConditionType_Message = 3872
ConditionType_Quality = 9020
ConditionType_Quality_SourceTimestamp = 9021
ConditionType_ReceiveTime = 3870
ConditionType_Retain = 3874
ConditionType_Severity = 3873
ConditionType_SourceName = 3868
```

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ConditionType_SourceNode = 3867
ConditionType_Time = 3869
ConditionVariableType = 9002
ConditionVariableType_SourceTimestamp = 9003
ConfigurationVersionDataType = 14593
ConfigurationVersionDataType_Encoding_DefaultBinary = 14847
ConfigurationVersionDataType_Encoding_DefaultJson = 15049
ConfigurationVersionDataType_Encoding_DefaultXml = 14803
ConnectionTransportDataType = 15618
ConnectionTransportDataType_Encoding_DefaultBinary = 15695
ConnectionTransportDataType_Encoding_DefaultJson = 16282
ConnectionTransportDataType_Encoding_DefaultXml = 15993
ConnectionTransportType = 17721
ContentFilter = 586
ContentFilterElement = 583
ContentFilterElementResult = 604
ContentFilterElementResult_Encoding_DefaultBinary = 606
ContentFilterElementResult_Encoding_DefaultJson = 15211
ContentFilterElementResult_Encoding_DefaultXml = 605
ContentFilterElement_Encoding_DefaultBinary = 585
ContentFilterElement_Encoding_DefaultJson = 15204
ContentFilterElement_Encoding_DefaultXml = 584
ContentFilterResult = 607
ContentFilterResult_Encoding_DefaultBinary = 609
ContentFilterResult_Encoding_DefaultJson = 15228
ContentFilterResult_Encoding_DefaultXml = 608
ContentFilter_Encoding_DefaultBinary = 588
ContentFilter_Encoding_DefaultJson = 15205
ContentFilter_Encoding_DefaultXml = 587
ContinuationPoint = 521
Counter = 289
CreateDirectoryMethodType = 13342
CreateDirectoryMethodType_InputArguments = 13343
CreateDirectoryMethodType_OutputArguments = 13344
CreateFileMethodType = 13345
CreateFileMethodType_InputArguments = 13346
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CreateFileMethodType_OutputArguments = 13347
CreateMonitoredItemsRequest = 749
CreateMonitoredItemsRequest_Encoding_DefaultBinary = 751
CreateMonitoredItemsRequest_Encoding_DefaultJson = 15323
CreateMonitoredItemsRequest_Encoding_DefaultXml = 750
CreateMonitoredItemsResponse = 752
CreateMonitoredItemsResponse_Encoding_DefaultBinary = 754
CreateMonitoredItemsResponse_Encoding_DefaultJson = 15324
CreateMonitoredItemsResponse_Encoding_DefaultXml = 753
CreateSessionRequest = 459
CreateSessionRequest_Encoding_DefaultBinary = 461
CreateSessionRequest_Encoding_DefaultJson = 15138
CreateSessionRequest_Encoding_DefaultXml = 460
CreateSessionResponse = 462
CreateSessionResponse_Encoding_DefaultBinary = 464
CreateSessionResponse_Encoding_DefaultJson = 15139
CreateSessionResponse_Encoding_DefaultXml = 463
CreateSigningRequestMethodType = 12741
CreateSigningRequestMethodType_InputArguments = 12742
CreateSigningRequestMethodType_OutputArguments = 12743
CreateSubscriptionRequest = 785
CreateSubscriptionRequest_Encoding_DefaultBinary = 787
CreateSubscriptionRequest_Encoding_DefaultJson = 15337
CreateSubscriptionRequest_Encoding_DefaultXml = 786
CreateSubscriptionResponse = 788
CreateSubscriptionResponse_Encoding_DefaultBinary = 790
CreateSubscriptionResponse_Encoding_DefaultJson = 15338
CreateSubscriptionResponse_Encoding_DefaultXml = 789
CubeItemType = 12057
CubeItemType_AxisScaleType = 12064
CubeItemType_Definition = 12058
CubeItemType_EURange = 12061
CubeItemType_EngineeringUnits = 12062
CubeItemType_InstrumentRange = 12060
CubeItemType_Title = 12063
CubeItemType_ValuePrecision = 12059
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CubeItemType_XAxisDefinition = 12065
CubeItemType_YAxisDefinition = 12066
CubeItemType_ZAxisDefinition = 12067
DataChangeFilter = 722
DataChangeFilter_Encoding_DefaultBinary = 724
DataChangeFilter_Encoding_DefaultJson = 15294
DataChangeFilter_Encoding_DefaultXml = 723
DataChangeNotification = 809
DataChangeNotification_Encoding_DefaultBinary = 811
DataChangeNotification_Encoding_DefaultJson = 15345
DataChangeNotification_Encoding_DefaultXml = 810
DataChangeTrigger = 717
DataChangeTrigger_EnumStrings = 7609
DataItemType = 2365
DataItemType_Definition = 2366
DataItemType_ValuePrecision = 2367
DataSetFieldContentMask = 15583
DataSetFieldContentMask_OptionSetValues = 15584
DataSetFieldFlags = 15904
DataSetFieldFlags_OptionSetValues = 15577
DataSetFolderType = 14477
DataSetFolderType_AddDataSetFolder = 16994
DataSetFolderType_AddDataSetFolder_InputArguments = 16995
DataSetFolderType_AddDataSetFolder_OutputArguments = 16996
DataSetFolderType_AddPublishedDataItems = 14493
DataSetFolderType_AddPublishedDataItemsTemplate = 16935
DataSetFolderType_AddPublishedDataItemsTemplate_InputArguments = 16958
DataSetFolderType_AddPublishedDataItemsTemplate_OutputArguments = 16959
DataSetFolderType_AddPublishedDataItems_InputArguments = 14494
DataSetFolderType_AddPublishedDataItems_OutputArguments = 14495
DataSetFolderType_AddPublishedEvents = 14496
DataSetFolderType_AddPublishedEventsTemplate = 16960
DataSetFolderType_AddPublishedEventsTemplate_InputArguments = 16961
DataSetFolderType_AddPublishedEventsTemplate_OutputArguments = 16971
DataSetFolderType_AddPublishedEvents_InputArguments = 14497
DataSetFolderType_AddPublishedEvents_OutputArguments = 14498
```

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DataSetFolderType_DataSetFolderName_Placeholder = 14478
DataSetFolderType_DataSetFolderName_Placeholder_AddDataSetFolder = 16884
DataSetFolderType_DataSetFolderName_Placeholder_AddDataSetFolder_InputArguments = 1689
DataSetFolderType_DataSetFolderName_Placeholder_AddDataSetFolder_OutputArguments = 169
DataSetFolderType_DataSetFolderName_Placeholder_AddPublishedDataItems = 14479
DataSetFolderType_DataSetFolderName_Placeholder_AddPublishedDataItemsTemplate = 16842
DataSetFolderType_DataSetFolderName_Placeholder_AddPublishedDataItemsTemplate_InputArgu
DataSetFolderType_DataSetFolderName_Placeholder_AddPublishedDataItemsTemplate_OutputAr
DataSetFolderType_DataSetFolderName_Placeholder_AddPublishedDataItems_InputArguments =
DataSetFolderType_DataSetFolderName_Placeholder_AddPublishedDataItems_OutputArguments :
DataSetFolderType_DataSetFolderName_Placeholder_AddPublishedEvents = 14482
DataSetFolderType_DataSetFolderName_Placeholder_AddPublishedEventsTemplate = 16881
DataSetFolderType_DataSetFolderName_Placeholder_AddPublishedEventsTemplate_InputArgument
DataSetFolderType_DataSetFolderName_Placeholder_AddPublishedEventsTemplate_OutputArgument
DataSetFolderType_DataSetFolderName_Placeholder_AddPublishedEvents_InputArguments = 14
DataSetFolderType_DataSetFolderName_Placeholder_AddPublishedEvents_OutputArguments = 1
DataSetFolderType_DataSetFolderName_Placeholder_RemoveDataSetFolder = 16923
DataSetFolderType_DataSetFolderName_Placeholder_RemoveDataSetFolder_InputArguments = 1
DataSetFolderType_DataSetFolderName_Placeholder_RemovePublishedDataSet = 14485
DataSetFolderType_DataSetFolderName_Placeholder_RemovePublishedDataSet_InputArguments :
DataSetFolderType_PublishedDataSetName_Placeholder = 14487
DataSetFolderType_PublishedDataSetName_Placeholder_ConfigurationVersion = 14489
DataSetFolderType_PublishedDataSetName_Placeholder_DataSetClassId = 16925
DataSetFolderType_PublishedDataSetName_Placeholder_DataSetMetaData = 15221
DataSetFolderType_PublishedDataSetName_Placeholder_ExtensionFields = 15473
DataSetFolderType_PublishedDataSetName_Placeholder_ExtensionFields_AddExtensionField =
DataSetFolderType_PublishedDataSetName_Placeholder_ExtensionFields_AddExtensionField_I
DataSetFolderType_PublishedDataSetName_Placeholder_ExtensionFields_AddExtensionField_O
DataSetFolderType_PublishedDataSetName_Placeholder_ExtensionFields_RemoveExtensionField
DataSetFolderType_PublishedDataSetName_Placeholder_ExtensionFields_RemoveExtensionField
DataSetFolderType_RemoveDataSetFolder = 16997
DataSetFolderType_RemoveDataSetFolder_InputArguments = 17007
DataSetFolderType_RemovePublishedDataSet = 14499
DataSetFolderType_RemovePublishedDataSet_InputArguments = 14500
DataSetMetaDataType = 14523
DataSetMetaDataType_Encoding_DefaultBinary = 124
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DataSetMetaData_Type_Encoding_DefaultJson = 15050
DataSetMetaData_Type_Encoding_DefaultXml = 14794
DataSetOrderingType = 20408
DataSetOrderingType_EnumStrings = 15641
DataSetReaderDataType = 15623
DataSetReaderDataType_Encoding_DefaultBinary = 15703
DataSetReaderDataType_Encoding_DefaultJson = 16286
DataSetReaderDataType_Encoding_DefaultXml = 16007
DataSetReaderMessageDataType = 15629
DataSetReaderMessageDataType_Encoding_DefaultBinary = 15706
DataSetReaderMessageDataType_Encoding_DefaultJson = 16288
DataSetReaderMessageDataType_Encoding_DefaultXml = 16009
DataSetReaderMessageType = 21104
DataSetReaderTransportDataType = 15628
DataSetReaderTransportDataType_Encoding_DefaultBinary = 15705
DataSetReaderTransportDataType_Encoding_DefaultJson = 16287
DataSetReaderTransportDataType_Encoding_DefaultXml = 16008
DataSetReaderTransportType = 15319
DataSetReaderType = 15306
DataSetReaderTypeCreateDataSetMirrorMethodType = 17395
DataSetReaderTypeCreateDataSetMirrorMethodType_InputArguments = 17396
DataSetReaderTypeCreateDataSetMirrorMethodType_OutputArguments = 17397
DataSetReaderTypeCreateTargetVariablesMethodType = 17392
DataSetReaderTypeCreateTargetVariablesMethodType_InputArguments = 17393
DataSetReaderTypeCreateTargetVariablesMethodType_OutputArguments = 17394
DataSetReaderType_CreateDataSetMirror = 17389
DataSetReaderType_CreateDataSetMirror_InputArguments = 17390
DataSetReaderType_CreateDataSetMirror_OutputArguments = 17391
DataSetReaderType_CreateTargetVariables = 17386
DataSetReaderType_CreateTargetVariables_InputArguments = 17387
DataSetReaderType_CreateTargetVariables_OutputArguments = 17388
DataSetReaderType_DataSetFieldContentMask = 21101
DataSetReaderType_DataSetMetaData = 21100
DataSetReaderType_DataSetReaderProperties = 17494
DataSetReaderType_DataSetWriterId = 21099
DataSetReaderType_Diagnostics = 19609
```



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DataSetReaderType_Diagnostics_Counters = 19623
DataSetReaderType_Diagnostics_Counters_DecryptionErrors = 19660
DataSetReaderType_Diagnostics_Counters_DecryptionErrors_Active = 19661
DataSetReaderType_Diagnostics_Counters_DecryptionErrors_Classification = 19662
DataSetReaderType_Diagnostics_Counters_DecryptionErrors_DiagnosticsLevel = 19663
DataSetReaderType_Diagnostics_Counters_DecryptionErrors_TimeFirstChange = 19664
DataSetReaderType_Diagnostics_Counters_FailedDataSetMessages = 19655
DataSetReaderType_Diagnostics_Counters_FailedDataSetMessages_Active = 19656
DataSetReaderType_Diagnostics_Counters_FailedDataSetMessages_Classification = 19657
DataSetReaderType_Diagnostics_Counters_FailedDataSetMessages_DiagnosticsLevel = 19658
DataSetReaderType_Diagnostics_Counters_FailedDataSetMessages_TimeFirstChange = 19659
DataSetReaderType_Diagnostics_Counters_StateDisabledByMethod = 19649
DataSetReaderType_Diagnostics_Counters_StateDisabledByMethod_Active = 19650
DataSetReaderType_Diagnostics_Counters_StateDisabledByMethod_Classification = 19651
DataSetReaderType_Diagnostics_Counters_StateDisabledByMethod_DiagnosticsLevel = 19652
DataSetReaderType_Diagnostics_Counters_StateDisabledByMethod_TimeFirstChange = 19653
DataSetReaderType_Diagnostics_Counters_StateError = 19624
DataSetReaderType_Diagnostics_Counters_StateError_Active = 19625
DataSetReaderType_Diagnostics_Counters_StateError_Classification = 19626
DataSetReaderType_Diagnostics_Counters_StateError_DiagnosticsLevel = 19627
DataSetReaderType_Diagnostics_Counters_StateError_TimeFirstChange = 19628
DataSetReaderType_Diagnostics_Counters_StateOperationalByMethod = 19629
DataSetReaderType_Diagnostics_Counters_StateOperationalByMethod_Active = 19630
DataSetReaderType_Diagnostics_Counters_StateOperationalByMethod_Classification = 19631
DataSetReaderType_Diagnostics_Counters_StateOperationalByMethod_DiagnosticsLevel = 19632
DataSetReaderType_Diagnostics_Counters_StateOperationalByMethod_TimeFirstChange = 19633
DataSetReaderType_Diagnostics_Counters_StateOperationalByParent = 19634
DataSetReaderType_Diagnostics_Counters_StateOperationalByParent_Active = 19635
DataSetReaderType_Diagnostics_Counters_StateOperationalByParent_Classification = 19636
DataSetReaderType_Diagnostics_Counters_StateOperationalByParent_DiagnosticsLevel = 19637
DataSetReaderType_Diagnostics_Counters_StateOperationalByParent_TimeFirstChange = 19638
DataSetReaderType_Diagnostics_Counters_StateOperationalFromError = 19639
DataSetReaderType_Diagnostics_Counters_StateOperationalFromError_Active = 19640
DataSetReaderType_Diagnostics_Counters_StateOperationalFromError_Classification = 19641
DataSetReaderType_Diagnostics_Counters_StateOperationalFromError_DiagnosticsLevel = 19642
DataSetReaderType_Diagnostics_Counters_StateOperationalFromError_TimeFirstChange = 19643
```

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DataSetReaderType_Diagnostics_Counters_StatePausedByParent = 19644
DataSetReaderType_Diagnostics_Counters_StatePausedByParent_Active = 19645
DataSetReaderType_Diagnostics_Counters_StatePausedByParent_Classification = 19646
DataSetReaderType_Diagnostics_Counters_StatePausedByParent_DiagnosticsLevel = 19647
DataSetReaderType_Diagnostics_Counters_StatePausedByParent_TimeFirstChange = 19648
DataSetReaderType_Diagnostics_DiagnosticsLevel = 19610
DataSetReaderType_Diagnostics_LiveValues = 19654
DataSetReaderType_Diagnostics_LiveValues_MajorVersion = 19669
DataSetReaderType_Diagnostics_LiveValues_MajorVersion_DiagnosticsLevel = 19670
DataSetReaderType_Diagnostics_LiveValues_MessageSequenceNumber = 19665
DataSetReaderType_Diagnostics_LiveValues_MessageSequenceNumber_DiagnosticsLevel = 19666
DataSetReaderType_Diagnostics_LiveValues_MinorVersion = 19671
DataSetReaderType_Diagnostics_LiveValues_MinorVersion_DiagnosticsLevel = 19672
DataSetReaderType_Diagnostics_LiveValues_SecurityTokenID = 19673
DataSetReaderType_Diagnostics_LiveValues_SecurityTokenID_DiagnosticsLevel = 19674
DataSetReaderType_Diagnostics_LiveValues_StatusCode = 19667
DataSetReaderType_Diagnostics_LiveValues_StatusCode_DiagnosticsLevel = 19668
DataSetReaderType_Diagnostics_LiveValues_TimeToNextTokenID = 19675
DataSetReaderType_Diagnostics_LiveValues_TimeToNextTokenID_DiagnosticsLevel = 19676
DataSetReaderType_Diagnostics_Reset = 19621
DataSetReaderType_Diagnostics_SubError = 19622
DataSetReaderType_Diagnostics_TotalError = 19616
DataSetReaderType_Diagnostics_TotalError_Active = 19617
DataSetReaderType_Diagnostics_TotalError_Classification = 19618
DataSetReaderType_Diagnostics_TotalError_DiagnosticsLevel = 19619
DataSetReaderType_Diagnostics_TotalError_TimeFirstChange = 19620
DataSetReaderType_Diagnostics_TotalInformation = 19611
DataSetReaderType_Diagnostics_TotalInformation_Active = 19612
DataSetReaderType_Diagnostics_TotalInformation_Classification = 19613
DataSetReaderType_Diagnostics_TotalInformation_DiagnosticsLevel = 19614
DataSetReaderType_Diagnostics_TotalInformation_TimeFirstChange = 19615
DataSetReaderType_MessageReceiveTimeout = 21102
DataSetReaderType_MessageSettings = 21103
DataSetReaderType_PublisherId = 21097
DataSetReaderType_SecurityGroupId = 15933
DataSetReaderType_SecurityKeyServices = 15934
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DataSetReaderType_SecurityMode = 15932
DataSetReaderType_Status = 15307
DataSetReaderType_Status_Disable = 15310
DataSetReaderType_Status_Enable = 15309
DataSetReaderType_Status_State = 15308
DataSetReaderType_SubscribedDataSet = 15316
DataSetReaderType_SubscribedDataSet_DataSetMetaData = 15317
DataSetReaderType_SubscribedDataSet_MessageReceiveTimeout = 15318
DataSetReaderType_TransportSettings = 15311
DataSetReaderType_WriterGroupId = 21098
DataSetToWriter = 14936
DataSetWriterDataType = 15597
DataSetWriterDataType_Encoding_DefaultBinary = 15682
DataSetWriterDataType_Encoding_DefaultJson = 16156
DataSetWriterDataType_Encoding_DefaultXml = 15955
DataSetWriterMessageDataType = 15605
DataSetWriterMessageDataType_Encoding_DefaultBinary = 15688
DataSetWriterMessageDataType_Encoding_DefaultJson = 16158
DataSetWriterMessageDataType_Encoding_DefaultXml = 15987
DataSetWriterMessageType = 21096
DataSetWriterTransportDataType = 15598
DataSetWriterTransportDataType_Encoding_DefaultBinary = 15683
DataSetWriterTransportDataType_Encoding_DefaultJson = 16157
DataSetWriterTransportDataType_Encoding_DefaultXml = 15956
DataSetWriterTransportType = 15305
DataSetWriterType = 15298
DataSetWriterType_DataSetFieldContentMask = 21093
DataSetWriterType_DataSetWriterId = 21092
DataSetWriterType_DataSetWriterProperties = 17493
DataSetWriterType_Diagnostics = 19550
DataSetWriterType_Diagnostics_Counters = 19564
DataSetWriterType_Diagnostics_Counters_FailedDataSetMessages = 19596
DataSetWriterType_Diagnostics_Counters_FailedDataSetMessages_Active = 19597
DataSetWriterType_Diagnostics_Counters_FailedDataSetMessages_Classification = 19598
DataSetWriterType_Diagnostics_Counters_FailedDataSetMessages_DiagnosticsLevel = 19599
DataSetWriterType_Diagnostics_Counters_FailedDataSetMessages_TimeFirstChange = 19600
```

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DataSetWriterType_Diagnostics_Counters_StateDisabledByMethod = 19590
DataSetWriterType_Diagnostics_Counters_StateDisabledByMethod_Active = 19591
DataSetWriterType_Diagnostics_Counters_StateDisabledByMethod_Classification = 19592
DataSetWriterType_Diagnostics_Counters_StateDisabledByMethod_DiagnosticsLevel = 19593
DataSetWriterType_Diagnostics_Counters_StateDisabledByMethod_TimeFirstChange = 19594
DataSetWriterType_Diagnostics_Counters_StateError = 19565
DataSetWriterType_Diagnostics_Counters_StateError_Active = 19566
DataSetWriterType_Diagnostics_Counters_StateError_Classification = 19567
DataSetWriterType_Diagnostics_Counters_StateError_DiagnosticsLevel = 19568
DataSetWriterType_Diagnostics_Counters_StateError_TimeFirstChange = 19569
DataSetWriterType_Diagnostics_Counters_StateOperationalByMethod = 19570
DataSetWriterType_Diagnostics_Counters_StateOperationalByMethod_Active = 19571
DataSetWriterType_Diagnostics_Counters_StateOperationalByMethod_Classification = 19572
DataSetWriterType_Diagnostics_Counters_StateOperationalByMethod_DiagnosticsLevel = 19573
DataSetWriterType_Diagnostics_Counters_StateOperationalByMethod_TimeFirstChange = 19574
DataSetWriterType_Diagnostics_Counters_StateOperationalByParent = 19575
DataSetWriterType_Diagnostics_Counters_StateOperationalByParent_Active = 19576
DataSetWriterType_Diagnostics_Counters_StateOperationalByParent_Classification = 19577
DataSetWriterType_Diagnostics_Counters_StateOperationalByParent_DiagnosticsLevel = 19578
DataSetWriterType_Diagnostics_Counters_StateOperationalByParent_TimeFirstChange = 19579
DataSetWriterType_Diagnostics_Counters_StateOperationalFromError = 19580
DataSetWriterType_Diagnostics_Counters_StateOperationalFromError_Active = 19581
DataSetWriterType_Diagnostics_Counters_StateOperationalFromError_Classification = 19582
DataSetWriterType_Diagnostics_Counters_StateOperationalFromError_DiagnosticsLevel = 19583
DataSetWriterType_Diagnostics_Counters_StateOperationalFromError_TimeFirstChange = 19584
DataSetWriterType_Diagnostics_Counters_StatePausedByParent = 19585
DataSetWriterType_Diagnostics_Counters_StatePausedByParent_Active = 19586
DataSetWriterType_Diagnostics_Counters_StatePausedByParent_Classification = 19587
DataSetWriterType_Diagnostics_Counters_StatePausedByParent_DiagnosticsLevel = 19588
DataSetWriterType_Diagnostics_Counters_StatePausedByParent_TimeFirstChange = 19589
DataSetWriterType_Diagnostics_DiagnosticsLevel = 19551
DataSetWriterType_Diagnostics_LiveValues = 19595
DataSetWriterType_Diagnostics_LiveValues_MajorVersion = 19605
DataSetWriterType_Diagnostics_LiveValues_MajorVersion_DiagnosticsLevel = 19606
DataSetWriterType_Diagnostics_LiveValues_MessageSequenceNumber = 19601
DataSetWriterType_Diagnostics_LiveValues_MessageSequenceNumber_DiagnosticsLevel = 19602
```

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DataSetWriterType_Diagnostics_LiveValues_MinorVersion = 19607
DataSetWriterType_Diagnostics_LiveValues_MinorVersion_DiagnosticsLevel = 19608
DataSetWriterType_Diagnostics_LiveValues_StatusCode = 19603
DataSetWriterType_Diagnostics_LiveValues_StatusCode_DiagnosticsLevel = 19604
DataSetWriterType_Diagnostics_Reset = 19562
DataSetWriterType_Diagnostics_SubError = 19563
DataSetWriterType_Diagnostics_TotalError = 19557
DataSetWriterType_Diagnostics_TotalError_Active = 19558
DataSetWriterType_Diagnostics_TotalError_Classification = 19559
DataSetWriterType_Diagnostics_TotalError_DiagnosticsLevel = 19560
DataSetWriterType_Diagnostics_TotalError_TimeFirstChange = 19561
DataSetWriterType_Diagnostics_TotalInformation = 19552
DataSetWriterType_Diagnostics_TotalInformation_Active = 19553
DataSetWriterType_Diagnostics_TotalInformation_Classification = 19554
DataSetWriterType_Diagnostics_TotalInformation_DiagnosticsLevel = 19555
DataSetWriterType_Diagnostics_TotalInformation_TimeFirstChange = 19556
DataSetWriterType_KeyFrameCount = 21094
DataSetWriterType_MessageSettings = 21095
DataSetWriterType_Status = 15299
DataSetWriterType_Status_Disable = 15302
DataSetWriterType_Status_Enable = 15301
DataSetWriterType_Status_State = 15300
DataSetWriterType_TransportSettings = 15303
DataTypeAttributes = 370
DataTypeAttributes_Encoding_DefaultBinary = 372
DataTypeAttributes_Encoding_DefaultJson = 15161
DataTypeAttributes_Encoding_DefaultXml = 371
DataTypeDefinition = 97
DataTypeDefinition_Encoding_DefaultBinary = 121
DataTypeDefinition_Encoding_DefaultJson = 15063
DataTypeDefinition_Encoding_DefaultXml = 14797
DataTypeDescription = 14525
DataTypeDescriptionType = 69
DataTypeDescriptionType_DataTypeVersion = 104
DataTypeDescriptionType_DictionaryFragment = 105
DataTypeDescription_Encoding_DefaultBinary = 125
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DataTypeDescription_Encoding_DefaultJson = 15057
DataTypeDescription_Encoding_DefaultXml = 14796
DataTypeDictionaryType = 72
DataTypeDictionaryType_DataTypeVersion = 106
DataTypeDictionaryType_Deprecated = 15001
DataTypeDictionaryType_NamespaceUri = 107
DataTypeEncodingType = 76
DataTypeNode = 282
DataTypeNode_Encoding_DefaultBinary = 284
DataTypeNode_Encoding_DefaultJson = 15079
DataTypeNode_Encoding_DefaultXml = 283
DataTypeSchemaHeader = 15534
DataTypeSchemaHeader_Encoding_DefaultBinary = 15676
DataTypeSchemaHeader_Encoding_DefaultJson = 16151
DataTypeSchemaHeader_Encoding_DefaultXml = 15950
DataTypeSystemType = 75
DataTypesFolder = 90
DataValue = 23
DatagramConnectionTransportDataType = 17467
DatagramConnectionTransportDataType_Encoding_DefaultBinary = 17468
DatagramConnectionTransportDataType_Encoding_DefaultJson = 17476
DatagramConnectionTransportDataType_Encoding_DefaultXml = 17472
DatagramConnectionTransportType = 15064
DatagramConnectionTransportType_DiscoveryAddress = 15072
DatagramConnectionTransportType_DiscoveryAddress_NetworkInterface = 15154
DatagramWriterGroupTransportDataType = 15532
DatagramWriterGroupTransportDataType_Encoding_DefaultBinary = 21155
DatagramWriterGroupTransportDataType_Encoding_DefaultJson = 21203
DatagramWriterGroupTransportDataType_Encoding_DefaultXml = 21179
DatagramWriterGroupTransportType = 21133
DatagramWriterGroupTransportType_MessageRepeatCount = 21134
DatagramWriterGroupTransportType_MessageRepeatDelay = 21135
Date = 293
DateString = 12881
DateTime = 13
DeadbandType = 718
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DeadbandType_EnumStrings = 7610
Decimal = 50
DecimalDataType = 17861
DecimalDataType_Encoding_DefaultBinary = 17863
DecimalDataType_Encoding_DefaultJson = 15045
DecimalDataType_Encoding_DefaultXml = 17862
DecimalString = 12878
DefaultBinary = 3062
DefaultInputValues = 16306
DefaultXml = 3063
DeleteAtTimeDetails = 689
DeleteAtTimeDetails_Encoding_DefaultBinary = 691
DeleteAtTimeDetails_Encoding_DefaultJson = 15284
DeleteAtTimeDetails_Encoding_DefaultXml = 690
DeleteEventDetails = 692
DeleteEventDetails_Encoding_DefaultBinary = 694
DeleteEventDetails_Encoding_DefaultJson = 15285
DeleteEventDetails_Encoding_DefaultXml = 693
DeleteFileMethodType = 13348
DeleteFileMethodType_InputArguments = 13349
DeleteMonitoredItemsRequest = 779
DeleteMonitoredItemsRequest_Encoding_DefaultBinary = 781
DeleteMonitoredItemsRequest_Encoding_DefaultJson = 15335
DeleteMonitoredItemsRequest_Encoding_DefaultXml = 780
DeleteMonitoredItemsResponse = 782
DeleteMonitoredItemsResponse_Encoding_DefaultBinary = 784
DeleteMonitoredItemsResponse_Encoding_DefaultJson = 15336
DeleteMonitoredItemsResponse_Encoding_DefaultXml = 783
DeleteNodesItem = 382
DeleteNodesItem_Encoding_DefaultBinary = 384
DeleteNodesItem_Encoding_DefaultJson = 15172
DeleteNodesItem_Encoding_DefaultXml = 383
DeleteNodesRequest = 498
DeleteNodesRequest_Encoding_DefaultBinary = 500
DeleteNodesRequest_Encoding_DefaultJson = 15173
DeleteNodesRequest_Encoding_DefaultXml = 499
```

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DeleteNodesResponse = 501
DeleteNodesResponse_Encoding_DefaultBinary = 503
DeleteNodesResponse_Encoding_DefaultJson = 15174
DeleteNodesResponse_Encoding_DefaultXml = 502
DeleteRawModifiedDetails = 686
DeleteRawModifiedDetails_Encoding_DefaultBinary = 688
DeleteRawModifiedDetails_Encoding_DefaultJson = 15283
DeleteRawModifiedDetails_Encoding_DefaultXml = 687
DeleteReferencesItem = 385
DeleteReferencesItem_Encoding_DefaultBinary = 387
DeleteReferencesItem_Encoding_DefaultJson = 15175
DeleteReferencesItem_Encoding_DefaultXml = 386
DeleteReferencesRequest = 504
DeleteReferencesRequest_Encoding_DefaultBinary = 506
DeleteReferencesRequest_Encoding_DefaultJson = 15176
DeleteReferencesRequest_Encoding_DefaultXml = 505
DeleteReferencesResponse = 507
DeleteReferencesResponse_Encoding_DefaultBinary = 509
DeleteReferencesResponse_Encoding_DefaultJson = 15177
DeleteReferencesResponse_Encoding_DefaultXml = 508
DeleteSubscriptionsRequest = 845
DeleteSubscriptionsRequest_Encoding_DefaultBinary = 847
DeleteSubscriptionsRequest_Encoding_DefaultJson = 15359
DeleteSubscriptionsRequest_Encoding_DefaultXml = 846
DeleteSubscriptionsResponse = 848
DeleteSubscriptionsResponse_Encoding_DefaultBinary = 850
DeleteSubscriptionsResponse_Encoding_DefaultJson = 15360
DeleteSubscriptionsResponse_Encoding_DefaultXml = 849
DeviceFailureEventType = 2131
DeviceFailureEventType_EventId = 3662
DeviceFailureEventType_EventType = 3663
DeviceFailureEventType_LocalTime = 3668
DeviceFailureEventType_Message = 3669
DeviceFailureEventType_ReceiveTime = 3667
DeviceFailureEventType_Severity = 3670
DeviceFailureEventType_SourceName = 3665
```



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DeviceFailureEventType_SourceNode = 3664
DeviceFailureEventType_Time = 3666
DiagnosticInfo = 25
DiagnosticsLevel = 19723
DiagnosticsLevel_EnumStrings = 19724
DialogConditionType = 2830
DialogConditionType_AddComment = 9053
DialogConditionType_AddComment_InputArguments = 9054
DialogConditionType_BranchId = 9034
DialogConditionType_CancelResponse = 9067
DialogConditionType_ClientUserId = 9050
DialogConditionType_Comment = 9048
DialogConditionType_Comment_SourceTimestamp = 9049
DialogConditionType_ConditionClassId = 11114
DialogConditionType_ConditionClassName = 11115
DialogConditionType_ConditionName = 9033
DialogConditionType_ConditionRefresh = 4198
DialogConditionType_ConditionRefresh2 = 12916
DialogConditionType_ConditionRefresh2_InputArguments = 12917
DialogConditionType_ConditionRefresh_InputArguments = 4199
DialogConditionType_ConditionSubClassId = 16365
DialogConditionType_ConditionSubClassName = 16366
DialogConditionType_DefaultResponse = 9065
DialogConditionType_DialogState = 9055
DialogConditionType_DialogState_EffectiveDisplayName = 9059
DialogConditionType_DialogState_EffectiveTransitionTime = 9061
DialogConditionType_DialogState_FalseState = 9063
DialogConditionType_DialogState_Id = 9056
DialogConditionType_DialogState_Name = 9057
DialogConditionType_DialogState_Number = 9058
DialogConditionType_DialogState_TransitionTime = 9060
DialogConditionType_DialogState_TrueState = 9062
DialogConditionType_Disable = 9052
DialogConditionType_Enable = 9051
DialogConditionType_EnabledState = 9035
DialogConditionType_EnabledState_EffectiveDisplayName = 9039
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DialogConditionType_EnabledState_EffectiveTransitionTime = 9041
DialogConditionType_EnabledState_FalseState = 9043
DialogConditionType_EnabledState_Id = 9036
DialogConditionType_EnabledState_Name = 9037
DialogConditionType_EnabledState_Number = 9038
DialogConditionType_EnabledState_TransitionTime = 9040
DialogConditionType_EnabledState_TrueState = 9042
DialogConditionType_EventId = 4188
DialogConditionType_EventType = 4189
DialogConditionType_LastResponse = 9068
DialogConditionType_LastSeverity = 9046
DialogConditionType_LastSeverity_SourceTimestamp = 9047
DialogConditionType_LocalTime = 4194
DialogConditionType_Message = 4195
DialogConditionType_OkResponse = 9066
DialogConditionType_Prompt = 2831
DialogConditionType_Quality = 9044
DialogConditionType_Quality_SourceTimestamp = 9045
DialogConditionType_ReceiveTime = 4193
DialogConditionType_Respond = 9069
DialogConditionType_Respond_InputArguments = 9070
DialogConditionType_ResponseOptionSet = 9064
DialogConditionType_Retain = 4197
DialogConditionType_Severity = 4196
DialogConditionType_SourceName = 4191
DialogConditionType_SourceNode = 4190
DialogConditionType_Time = 4192
DialogResponseMethodType = 9031
DialogResponseMethodType_InputArguments = 9032
DiscoveryConfiguration = 12890
DiscoveryConfiguration_Encoding_DefaultBinary = 12900
DiscoveryConfiguration_Encoding_DefaultJson = 15105
DiscoveryConfiguration_Encoding_DefaultXml = 12892
DiscrepancyAlarmType = 17080
DiscrepancyAlarmType_AckedState = 17121
DiscrepancyAlarmType_AckedState_EffectiveDisplayName = 17125
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DiscrepancyAlarmType\_AckedState\_EffectiveTransitionTime = 17127  
DiscrepancyAlarmType\_AckedState\_FalseState = 17129  
DiscrepancyAlarmType\_AckedState\_Id = 17122  
DiscrepancyAlarmType\_AckedState\_Name = 17123  
DiscrepancyAlarmType\_AckedState\_Number = 17124  
DiscrepancyAlarmType\_AckedState\_TransitionTime = 17126  
DiscrepancyAlarmType\_AckedState\_TrueState = 17128  
DiscrepancyAlarmType\_Acknowledge = 17139  
DiscrepancyAlarmType\_Acknowledge\_InputArguments = 17140  
DiscrepancyAlarmType\_ActiveState = 17143  
DiscrepancyAlarmType\_ActiveState\_EffectiveDisplayName = 17147  
DiscrepancyAlarmType\_ActiveState\_EffectiveTransitionTime = 17149  
DiscrepancyAlarmType\_ActiveState\_FalseState = 17151  
DiscrepancyAlarmType\_ActiveState\_Id = 17144  
DiscrepancyAlarmType\_ActiveState\_Name = 17145  
DiscrepancyAlarmType\_ActiveState\_Number = 17146  
DiscrepancyAlarmType\_ActiveState\_TransitionTime = 17148  
DiscrepancyAlarmType\_ActiveState\_TrueState = 17150  
DiscrepancyAlarmType\_AddComment = 17115  
DiscrepancyAlarmType\_AddComment\_InputArguments = 17116  
DiscrepancyAlarmType\_AlarmGroup\_Placeholder = 17209  
DiscrepancyAlarmType\_AudibleEnabled = 17199  
DiscrepancyAlarmType\_AudibleSound = 17200  
DiscrepancyAlarmType\_AudibleSound\_AgencyId = 17978  
DiscrepancyAlarmType\_AudibleSound\_ListId = 17977  
DiscrepancyAlarmType\_AudibleSound\_VersionId = 17979  
DiscrepancyAlarmType\_BranchId = 17095  
DiscrepancyAlarmType\_ClientUserId = 17112  
DiscrepancyAlarmType\_Comment = 17110  
DiscrepancyAlarmType\_Comment\_SourceTimestamp = 17111  
DiscrepancyAlarmType\_ConditionClassId = 17090  
DiscrepancyAlarmType\_ConditionClassName = 17091  
DiscrepancyAlarmType\_ConditionName = 17094  
DiscrepancyAlarmType\_ConditionRefresh = 17117  
DiscrepancyAlarmType\_ConditionRefresh2 = 17119  
DiscrepancyAlarmType\_ConditionRefresh2\_InputArguments = 17120

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DiscrepancyAlarmType_ConditionRefresh_InputArguments = 17118
DiscrepancyAlarmType_ConditionSubClassId = 17092
DiscrepancyAlarmType_ConditionSubClassName = 17093
DiscrepancyAlarmType_Confirm = 17141
DiscrepancyAlarmType_Confirm_InputArguments = 17142
DiscrepancyAlarmType_ConfirmedState = 17130
DiscrepancyAlarmType_ConfirmedState_EffectiveDisplayName = 17134
DiscrepancyAlarmType_ConfirmedState_EffectiveTransitionTime = 17136
DiscrepancyAlarmType_ConfirmedState_FalseState = 17138
DiscrepancyAlarmType_ConfirmedState_Id = 17131
DiscrepancyAlarmType_ConfirmedState_Name = 17132
DiscrepancyAlarmType_ConfirmedState_Number = 17133
DiscrepancyAlarmType_ConfirmedState_TransitionTime = 17135
DiscrepancyAlarmType_ConfirmedState_TrueState = 17137
DiscrepancyAlarmType_Disable = 17113
DiscrepancyAlarmType_Enable = 17114
DiscrepancyAlarmType_EnabledState = 17097
DiscrepancyAlarmType_EnabledState_EffectiveDisplayName = 17101
DiscrepancyAlarmType_EnabledState_EffectiveTransitionTime = 17103
DiscrepancyAlarmType_EnabledState_FalseState = 17105
DiscrepancyAlarmType_EnabledState_Id = 17098
DiscrepancyAlarmType_EnabledState_Name = 17099
DiscrepancyAlarmType_EnabledState_Number = 17100
DiscrepancyAlarmType_EnabledState_TransitionTime = 17102
DiscrepancyAlarmType_EnabledState_TrueState = 17104
DiscrepancyAlarmType_EventId = 17081
DiscrepancyAlarmType_EventType = 17082
DiscrepancyAlarmType_ExpectedTime = 17216
DiscrepancyAlarmType_FirstInGroup = 17208
DiscrepancyAlarmType_FirstInGroupFlag = 17207
DiscrepancyAlarmType_InputNode = 17152
DiscrepancyAlarmType_LastSeverity = 17108
DiscrepancyAlarmType_LastSeverity_SourceTimestamp = 17109
DiscrepancyAlarmType_LatchedState = 18655
DiscrepancyAlarmType_LatchedState_EffectiveDisplayName = 18659
DiscrepancyAlarmType_LatchedState_EffectiveTransitionTime = 18661
```

```
DiscrepancyAlarmType_LatchedState_FalseState = 18663
DiscrepancyAlarmType_LatchedState_Id = 18656
DiscrepancyAlarmType_LatchedState_Name = 18657
DiscrepancyAlarmType_LatchedState_Number = 18658
DiscrepancyAlarmType_LatchedState_TransitionTime = 18660
DiscrepancyAlarmType_LatchedState_TrueState = 18662
DiscrepancyAlarmType_LocalTime = 17087
DiscrepancyAlarmType_MaxTimeShelved = 17198
DiscrepancyAlarmType_Message = 17088
DiscrepancyAlarmType_OffDelay = 17206
DiscrepancyAlarmType_OnDelay = 17205
DiscrepancyAlarmType_OutOfServiceState = 17162
DiscrepancyAlarmType_OutOfServiceState_EffectiveDisplayName = 17166
DiscrepancyAlarmType_OutOfServiceState_EffectiveTransitionTime = 17168
DiscrepancyAlarmType_OutOfServiceState_FalseState = 17170
DiscrepancyAlarmType_OutOfServiceState_Id = 17163
DiscrepancyAlarmType_OutOfServiceState_Name = 17164
DiscrepancyAlarmType_OutOfServiceState_Number = 17165
DiscrepancyAlarmType_OutOfServiceState_TransitionTime = 17167
DiscrepancyAlarmType_OutOfServiceState_TrueState = 17169
DiscrepancyAlarmType_PlaceInService = 17982
DiscrepancyAlarmType_Quality = 17106
DiscrepancyAlarmType_Quality_SourceTimestamp = 17107
DiscrepancyAlarmType_ReAlarmRepeatCount = 17211
DiscrepancyAlarmType_ReAlarmTime = 17210
DiscrepancyAlarmType_ReceiveTime = 17086
DiscrepancyAlarmType_RemoveFromService = 17981
DiscrepancyAlarmType_Reset = 18664
DiscrepancyAlarmType_Retain = 17096
DiscrepancyAlarmType_Severity = 17089
DiscrepancyAlarmType_ShelvingState = 17180
DiscrepancyAlarmType_ShelvingState_AvailableStates = 17702
DiscrepancyAlarmType_ShelvingState_AvailableTransitions = 17703
DiscrepancyAlarmType_ShelvingState_CurrentState = 17181
DiscrepancyAlarmType_ShelvingState_CurrentState_EffectiveDisplayName = 17185
DiscrepancyAlarmType_ShelvingState_CurrentState_Id = 17182
```

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DiscrepancyAlarmType_ShelvingState_CurrentState_Name = 17183
DiscrepancyAlarmType_ShelvingState_CurrentState_Number = 17184
DiscrepancyAlarmType_ShelvingState_LastTransition = 17186
DiscrepancyAlarmType_ShelvingState_LastTransition_EffectiveTransitionTime = 17191
DiscrepancyAlarmType_ShelvingState_LastTransition_Id = 17187
DiscrepancyAlarmType_ShelvingState_LastTransition_Name = 17188
DiscrepancyAlarmType_ShelvingState_LastTransition_Number = 17189
DiscrepancyAlarmType_ShelvingState_LastTransition_TransitionTime = 17190
DiscrepancyAlarmType_ShelvingState_OneShotShelve = 17194
DiscrepancyAlarmType_ShelvingState_TimedShelve = 17195
DiscrepancyAlarmType_ShelvingState_TimedShelve_InputArguments = 17196
DiscrepancyAlarmType_ShelvingState_Unshelve = 17193
DiscrepancyAlarmType_ShelvingState_UnshelveTime = 17192
DiscrepancyAlarmType_Silence = 17212
DiscrepancyAlarmType_SilenceState = 17171
DiscrepancyAlarmType_SilenceState_EffectiveDisplayName = 17175
DiscrepancyAlarmType_SilenceState_EffectiveTransitionTime = 17177
DiscrepancyAlarmType_SilenceState_FalseState = 17179
DiscrepancyAlarmType_SilenceState_Id = 17172
DiscrepancyAlarmType_SilenceState_Name = 17173
DiscrepancyAlarmType_SilenceState_Number = 17174
DiscrepancyAlarmType_SilenceState_TransitionTime = 17176
DiscrepancyAlarmType_SilenceState_TrueState = 17178
DiscrepancyAlarmType_SourceName = 17084
DiscrepancyAlarmType_SourceNode = 17083
DiscrepancyAlarmType_Suppress = 17213
DiscrepancyAlarmType_SuppressedOrShelved = 17197
DiscrepancyAlarmType_SuppressedState = 17153
DiscrepancyAlarmType_SuppressedState_EffectiveDisplayName = 17157
DiscrepancyAlarmType_SuppressedState_EffectiveTransitionTime = 17159
DiscrepancyAlarmType_SuppressedState_FalseState = 17161
DiscrepancyAlarmType_SuppressedState_Id = 17154
DiscrepancyAlarmType_SuppressedState_Name = 17155
DiscrepancyAlarmType_SuppressedState_Number = 17156
DiscrepancyAlarmType_SuppressedState_TransitionTime = 17158
DiscrepancyAlarmType_SuppressedState_TrueState = 17160
```

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DiscrepancyAlarmType_TargetValueNode = 17215
DiscrepancyAlarmType_Time = 17085
DiscrepancyAlarmType_Tolerance = 17217
DiscrepancyAlarmType_Unsuppress = 17980
DiscreteAlarmType = 10523
DiscreteAlarmType_AckedState = 10558
DiscreteAlarmType_AckedState_EffectiveDisplayName = 10562
DiscreteAlarmType_AckedState_EffectiveTransitionTime = 10564
DiscreteAlarmType_AckedState_FalseState = 10566
DiscreteAlarmType_AckedState_Id = 10559
DiscreteAlarmType_AckedState_Name = 10560
DiscreteAlarmType_AckedState_Number = 10561
DiscreteAlarmType_AckedState_TransitionTime = 10563
DiscreteAlarmType_AckedState_TrueState = 10565
DiscreteAlarmType_Acknowledge = 10576
DiscreteAlarmType_Acknowledge_InputArguments = 10577
DiscreteAlarmType_ActiveState = 10580
DiscreteAlarmType_ActiveState_EffectiveDisplayName = 10584
DiscreteAlarmType_ActiveState_EffectiveTransitionTime = 10586
DiscreteAlarmType_ActiveState_FalseState = 10588
DiscreteAlarmType_ActiveState_Id = 10581
DiscreteAlarmType_ActiveState_Name = 10582
DiscreteAlarmType_ActiveState_Number = 10583
DiscreteAlarmType_ActiveState_TransitionTime = 10585
DiscreteAlarmType_ActiveState_TrueState = 10587
DiscreteAlarmType_AddComment = 10554
DiscreteAlarmType_AddComment_InputArguments = 10555
DiscreteAlarmType_AlarmGroup_Placeholder = 16930
DiscreteAlarmType_AudibleEnabled = 16920
DiscreteAlarmType_AudibleSound = 16921
DiscreteAlarmType_AudibleSound_AgencyId = 17943
DiscreteAlarmType_AudibleSound_ListId = 17942
DiscreteAlarmType_AudibleSound_VersionId = 17944
DiscreteAlarmType_BranchId = 10534
DiscreteAlarmType_ClientUserId = 10551
DiscreteAlarmType_Comment = 10549
```

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DiscreteAlarmType_Comment_SourceTimestamp = 10550
DiscreteAlarmType_ConditionClassId = 11152
DiscreteAlarmType_ConditionClassName = 11153
DiscreteAlarmType_ConditionName = 10533
DiscreteAlarmType_ConditionRefresh = 10556
DiscreteAlarmType_ConditionRefresh2 = 13004
DiscreteAlarmType_ConditionRefresh2_InputArguments = 13005
DiscreteAlarmType_ConditionRefresh_InputArguments = 10557
DiscreteAlarmType_ConditionSubClassId = 16900
DiscreteAlarmType_ConditionSubClassName = 16901
DiscreteAlarmType_Confirm = 10578
DiscreteAlarmType_Confirm_InputArguments = 10579
DiscreteAlarmType_ConfirmedState = 10567
DiscreteAlarmType_ConfirmedState_EffectiveDisplayName = 10571
DiscreteAlarmType_ConfirmedState_EffectiveTransitionTime = 10573
DiscreteAlarmType_ConfirmedState_FalseState = 10575
DiscreteAlarmType_ConfirmedState_Id = 10568
DiscreteAlarmType_ConfirmedState_Name = 10569
DiscreteAlarmType_ConfirmedState_Number = 10570
DiscreteAlarmType_ConfirmedState_TransitionTime = 10572
DiscreteAlarmType_ConfirmedState_TrueState = 10574
DiscreteAlarmType_Disable = 10553
DiscreteAlarmType_Enable = 10552
DiscreteAlarmType_EnabledState = 10536
DiscreteAlarmType_EnabledState_EffectiveDisplayName = 10540
DiscreteAlarmType_EnabledState_EffectiveTransitionTime = 10542
DiscreteAlarmType_EnabledState_FalseState = 10544
DiscreteAlarmType_EnabledState_Id = 10537
DiscreteAlarmType_EnabledState_Name = 10538
DiscreteAlarmType_EnabledState_Number = 10539
DiscreteAlarmType_EnabledState_TransitionTime = 10541
DiscreteAlarmType_EnabledState_TrueState = 10543
DiscreteAlarmType_EventId = 10524
DiscreteAlarmType_EventType = 10525
DiscreteAlarmType_FirstInGroup = 16929
DiscreteAlarmType_FirstInGroupFlag = 16928
```



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DiscreteAlarmType_InputNode = 11154
DiscreteAlarmType_LastSeverity = 10547
DiscreteAlarmType_LastSeverity_SourceTimestamp = 10548
DiscreteAlarmType_LatchedState = 18307
DiscreteAlarmType_LatchedState_EffectiveDisplayName = 18311
DiscreteAlarmType_LatchedState_EffectiveTransitionTime = 18313
DiscreteAlarmType_LatchedState_FalseState = 18315
DiscreteAlarmType_LatchedState_Id = 18308
DiscreteAlarmType_LatchedState_Name = 18309
DiscreteAlarmType_LatchedState_Number = 18310
DiscreteAlarmType_LatchedState_TransitionTime = 18312
DiscreteAlarmType_LatchedState_TrueState = 18314
DiscreteAlarmType_LocalTime = 10530
DiscreteAlarmType_MaxTimeShelved = 10636
DiscreteAlarmType_Message = 10531
DiscreteAlarmType_OffDelay = 16927
DiscreteAlarmType_OnDelay = 16926
DiscreteAlarmType_OutOfServiceState = 16902
DiscreteAlarmType_OutOfServiceState_EffectiveDisplayName = 16906
DiscreteAlarmType_OutOfServiceState_EffectiveTransitionTime = 16908
DiscreteAlarmType_OutOfServiceState_FalseState = 16910
DiscreteAlarmType_OutOfServiceState_Id = 16903
DiscreteAlarmType_OutOfServiceState_Name = 16904
DiscreteAlarmType_OutOfServiceState_Number = 16905
DiscreteAlarmType_OutOfServiceState_TransitionTime = 16907
DiscreteAlarmType_OutOfServiceState_TrueState = 16909
DiscreteAlarmType_PlaceInService = 17947
DiscreteAlarmType_Quality = 10545
DiscreteAlarmType_Quality_SourceTimestamp = 10546
DiscreteAlarmType_ReAlarmRepeatCount = 16932
DiscreteAlarmType_ReAlarmTime = 16931
DiscreteAlarmType_ReceiveTime = 10529
DiscreteAlarmType_RemoveFromService = 17946
DiscreteAlarmType_Reset = 18316
DiscreteAlarmType_Retain = 10535
DiscreteAlarmType_Severity = 10532
```

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DiscreteAlarmType_ShelvingState = 10598
DiscreteAlarmType_ShelvingState_AvailableStates = 17692
DiscreteAlarmType_ShelvingState_AvailableTransitions = 17693
DiscreteAlarmType_ShelvingState_CurrentState = 10599
DiscreteAlarmType_ShelvingState_CurrentState_EffectiveDisplayName = 10603
DiscreteAlarmType_ShelvingState_CurrentState_Id = 10600
DiscreteAlarmType_ShelvingState_CurrentState_Name = 10601
DiscreteAlarmType_ShelvingState_CurrentState_Number = 10602
DiscreteAlarmType_ShelvingState_LastTransition = 10604
DiscreteAlarmType_ShelvingState_LastTransition_EffectiveTransitionTime = 11481
DiscreteAlarmType_ShelvingState_LastTransition_Id = 10605
DiscreteAlarmType_ShelvingState_LastTransition_Name = 10606
DiscreteAlarmType_ShelvingState_LastTransition_Number = 10607
DiscreteAlarmType_ShelvingState_LastTransition_TransitionTime = 10608
DiscreteAlarmType_ShelvingState_OneShotShelve = 10632
DiscreteAlarmType_ShelvingState_TimedShelve = 10633
DiscreteAlarmType_ShelvingState_TimedShelve_InputArguments = 10634
DiscreteAlarmType_ShelvingState_Unshelve = 10631
DiscreteAlarmType_ShelvingState_UnshelveTime = 10609
DiscreteAlarmType_Silence = 16933
DiscreteAlarmType_SilenceState = 16911
DiscreteAlarmType_SilenceState_EffectiveDisplayName = 16915
DiscreteAlarmType_SilenceState_EffectiveTransitionTime = 16917
DiscreteAlarmType_SilenceState_FalseState = 16919
DiscreteAlarmType_SilenceState_Id = 16912
DiscreteAlarmType_SilenceState_Name = 16913
DiscreteAlarmType_SilenceState_Number = 16914
DiscreteAlarmType_SilenceState_TransitionTime = 16916
DiscreteAlarmType_SilenceState_TrueState = 16918
DiscreteAlarmType_SourceName = 10527
DiscreteAlarmType_SourceNode = 10526
DiscreteAlarmType_Suppress = 16934
DiscreteAlarmType_SuppressedOrShelved = 10635
DiscreteAlarmType_SuppressedState = 10589
DiscreteAlarmType_SuppressedState_EffectiveDisplayName = 10593
DiscreteAlarmType_SuppressedState_EffectiveTransitionTime = 10595
```

```
DiscreteAlarmType_SuppressedState_FalseState = 10597
DiscreteAlarmType_SuppressedState_Id = 10590
DiscreteAlarmType_SuppressedState_Name = 10591
DiscreteAlarmType_SuppressedState_Number = 10592
DiscreteAlarmType_SuppressedState_TransitionTime = 10594
DiscreteAlarmType_SuppressedState_TrueState = 10596
DiscreteAlarmType_Time = 10528
DiscreteAlarmType_Unsuppress = 17945
DiscreteItemType = 2372
DiscreteItemType_Definition = 3776
DiscreteItemType_ValuePrecision = 3777
Double = 11
DoubleComplexNumberType = 12172
DoubleComplexNumberType_Encoding_DefaultBinary = 12182
DoubleComplexNumberType_Encoding_DefaultJson = 15378
DoubleComplexNumberType_Encoding_DefaultXml = 12174
Duration = 290
DurationString = 12879
EUInformation = 887
EUInformation_Encoding_DefaultBinary = 889
EUInformation_Encoding_DefaultJson = 15376
EUInformation_Encoding_DefaultXml = 888
ElementOperand = 592
ElementOperand_Encoding_DefaultBinary = 594
ElementOperand_Encoding_DefaultJson = 15207
ElementOperand_Encoding_DefaultXml = 593
EndpointConfiguration = 331
EndpointConfiguration_Encoding_DefaultBinary = 333
EndpointConfiguration_Encoding_DefaultJson = 15199
EndpointConfiguration_Encoding_DefaultXml = 332
EndpointDescription = 312
EndpointDescription_Encoding_DefaultBinary = 314
EndpointDescription_Encoding_DefaultJson = 15099
EndpointDescription_Encoding_DefaultXml = 313
EndpointType = 15528
EndpointType_Encoding_DefaultBinary = 15671
```

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EndpointType_Encoding_DefaultJson = 16150
EndpointType_Encoding_DefaultXml = 15949
EndpointUrlListDataType = 11943
EndpointUrlListDataType_Encoding_DefaultBinary = 11957
EndpointUrlListDataType_Encoding_DefaultJson = 15363
EndpointUrlListDataType_Encoding_DefaultXml = 11949
EngineeringUnits = 11513
EnumDefinition = 100
EnumDefinition_Encoding_DefaultBinary = 123
EnumDefinition_Encoding_DefaultJson = 15067
EnumDefinition_Encoding_DefaultXml = 14799
EnumDescription = 15488
EnumDescription_Encoding_DefaultBinary = 127
EnumDescription_Encoding_DefaultJson = 15059
EnumDescription_Encoding_DefaultXml = 15590
EnumField = 102
EnumField_Encoding_DefaultBinary = 14845
EnumField_Encoding_DefaultJson = 15083
EnumField_Encoding_DefaultXml = 14801
EnumStrings = 11432
EnumValueType = 7594
EnumValueType_Encoding_DefaultBinary = 8251
EnumValueType_Encoding_DefaultJson = 15082
EnumValueType_Encoding_DefaultXml = 7616
EnumValues = 3071
Enumeration = 29
EventFieldList = 917
EventFieldList_Encoding_DefaultBinary = 919
EventFieldList_Encoding_DefaultJson = 15348
EventFieldList_Encoding_DefaultXml = 918
EventFilter = 725
EventFilterResult = 734
EventFilterResult_Encoding_DefaultBinary = 736
EventFilterResult_Encoding_DefaultJson = 15314
EventFilterResult_Encoding_DefaultXml = 735
EventFilter_Encoding_DefaultBinary = 727
```

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EventFilter_Encoding_DefaultJson = 15295
EventFilter_Encoding_DefaultXml = 726
EventNotificationList = 914
EventNotificationList_Encoding_DefaultBinary = 916
EventNotificationList_Encoding_DefaultJson = 15347
EventNotificationList_Encoding_DefaultXml = 915
EventNotifierType = 15033
EventNotifierType_OptionSetValues = 15034
EventQueueOverflowEventType = 3035
EventQueueOverflowEventType_EventId = 3191
EventQueueOverflowEventType_EventType = 3192
EventQueueOverflowEventType_LocalTime = 3197
EventQueueOverflowEventType_Message = 3198
EventQueueOverflowEventType_ReceiveTime = 3196
EventQueueOverflowEventType_Severity = 3199
EventQueueOverflowEventType_SourceName = 3194
EventQueueOverflowEventType_SourceNode = 3193
EventQueueOverflowEventType_Time = 3195
EventTypesFolder = 3048
ExceptionDeviationFormat = 890
ExceptionDeviationFormat_EnumStrings = 7614
ExclusiveDeviationAlarmType = 9764
ExclusiveDeviationAlarmType_AckedState = 9799
ExclusiveDeviationAlarmType_AckedState_EffectiveDisplayName = 9803
ExclusiveDeviationAlarmType_AckedState_EffectiveTransitionTime = 9805
ExclusiveDeviationAlarmType_AckedState_FalseState = 9807
ExclusiveDeviationAlarmType_AckedState_Id = 9800
ExclusiveDeviationAlarmType_AckedState_Name = 9801
ExclusiveDeviationAlarmType_AckedState_Number = 9802
ExclusiveDeviationAlarmType_AckedState_TransitionTime = 9804
ExclusiveDeviationAlarmType_AckedState_TrueState = 9806
ExclusiveDeviationAlarmType_Acknowledge = 9817
ExclusiveDeviationAlarmType_Acknowledge_InputArguments = 9818
ExclusiveDeviationAlarmType_ActiveState = 9821
ExclusiveDeviationAlarmType_ActiveState_EffectiveDisplayName = 9825
ExclusiveDeviationAlarmType_ActiveState_EffectiveTransitionTime = 9827
```

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ExclusiveDeviationAlarmType_ActiveState_FalseState = 9829
ExclusiveDeviationAlarmType_ActiveState_Id = 9822
ExclusiveDeviationAlarmType_ActiveState_Name = 9823
ExclusiveDeviationAlarmType_ActiveState_Number = 9824
ExclusiveDeviationAlarmType_ActiveState_TransitionTime = 9826
ExclusiveDeviationAlarmType_ActiveState_TrueState = 9828
ExclusiveDeviationAlarmType_AddComment = 9795
ExclusiveDeviationAlarmType_AddComment_InputArguments = 9796
ExclusiveDeviationAlarmType_AlarmGroup_Placeholder = 16807
ExclusiveDeviationAlarmType_AudibleEnabled = 16797
ExclusiveDeviationAlarmType_AudibleSound = 16798
ExclusiveDeviationAlarmType_AudibleSound_AgencyId = 17929
ExclusiveDeviationAlarmType_AudibleSound_ListId = 17928
ExclusiveDeviationAlarmType_AudibleSound_VersionId = 17930
ExclusiveDeviationAlarmType_BaseHighHighLimit = 16813
ExclusiveDeviationAlarmType_BaseHighLimit = 16814
ExclusiveDeviationAlarmType_BaseLowLimit = 16815
ExclusiveDeviationAlarmType_BaseLowLowLimit = 16816
ExclusiveDeviationAlarmType_BaseSetpointNode = 16817
ExclusiveDeviationAlarmType_BranchId = 9775
ExclusiveDeviationAlarmType_ClientUserId = 9792
ExclusiveDeviationAlarmType_Comment = 9790
ExclusiveDeviationAlarmType_Comment_SourceTimestamp = 9791
ExclusiveDeviationAlarmType_ConditionClassId = 11137
ExclusiveDeviationAlarmType_ConditionClassName = 11138
ExclusiveDeviationAlarmType_ConditionName = 9774
ExclusiveDeviationAlarmType_ConditionRefresh = 9797
ExclusiveDeviationAlarmType_ConditionRefresh2 = 12998
ExclusiveDeviationAlarmType_ConditionRefresh2_InputArguments = 12999
ExclusiveDeviationAlarmType_ConditionRefresh_InputArguments = 9798
ExclusiveDeviationAlarmType_ConditionSubClassId = 16777
ExclusiveDeviationAlarmType_ConditionSubClassName = 16778
ExclusiveDeviationAlarmType_Confirm = 9819
ExclusiveDeviationAlarmType_Confirm_InputArguments = 9820
ExclusiveDeviationAlarmType_ConfirmedState = 9808
ExclusiveDeviationAlarmType_ConfirmedState_EffectiveDisplayName = 9812
```

ExclusiveDeviationAlarmType\_ConfirmedState\_EffectiveTransitionTime = 9814  
ExclusiveDeviationAlarmType\_ConfirmedState\_FalseState = 9816  
ExclusiveDeviationAlarmType\_ConfirmedState\_Id = 9809  
ExclusiveDeviationAlarmType\_ConfirmedState\_Name = 9810  
ExclusiveDeviationAlarmType\_ConfirmedState\_Number = 9811  
ExclusiveDeviationAlarmType\_ConfirmedState\_TransitionTime = 9813  
ExclusiveDeviationAlarmType\_ConfirmedState\_TrueState = 9815  
ExclusiveDeviationAlarmType\_Disable = 9794  
ExclusiveDeviationAlarmType\_Enable = 9793  
ExclusiveDeviationAlarmType\_EnabledState = 9777  
ExclusiveDeviationAlarmType\_EnabledState\_EffectiveDisplayName = 9781  
ExclusiveDeviationAlarmType\_EnabledState\_EffectiveTransitionTime = 9783  
ExclusiveDeviationAlarmType\_EnabledState\_FalseState = 9785  
ExclusiveDeviationAlarmType\_EnabledState\_Id = 9778  
ExclusiveDeviationAlarmType\_EnabledState\_Name = 9779  
ExclusiveDeviationAlarmType\_EnabledState\_Number = 9780  
ExclusiveDeviationAlarmType\_EnabledState\_TransitionTime = 9782  
ExclusiveDeviationAlarmType\_EnabledState\_TrueState = 9784  
ExclusiveDeviationAlarmType\_EventId = 9765  
ExclusiveDeviationAlarmType\_EventType = 9766  
ExclusiveDeviationAlarmType\_FirstInGroup = 16806  
ExclusiveDeviationAlarmType\_FirstInGroupFlag = 16805  
ExclusiveDeviationAlarmType\_HighHighLimit = 9901  
ExclusiveDeviationAlarmType\_HighLimit = 9902  
ExclusiveDeviationAlarmType\_InputNode = 11139  
ExclusiveDeviationAlarmType\_LastSeverity = 9788  
ExclusiveDeviationAlarmType\_LastSeverity\_SourceTimestamp = 9789  
ExclusiveDeviationAlarmType\_LatchedState = 18287  
ExclusiveDeviationAlarmType\_LatchedState\_EffectiveDisplayName = 18291  
ExclusiveDeviationAlarmType\_LatchedState\_EffectiveTransitionTime = 18293  
ExclusiveDeviationAlarmType\_LatchedState\_FalseState = 18295  
ExclusiveDeviationAlarmType\_LatchedState\_Id = 18288  
ExclusiveDeviationAlarmType\_LatchedState\_Name = 18289  
ExclusiveDeviationAlarmType\_LatchedState\_Number = 18290  
ExclusiveDeviationAlarmType\_LatchedState\_TransitionTime = 18292  
ExclusiveDeviationAlarmType\_LatchedState\_TrueState = 18294

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ExclusiveDeviationAlarmType_LimitState = 9878
ExclusiveDeviationAlarmType_LimitState_AvailableStates = 17684
ExclusiveDeviationAlarmType_LimitState_AvailableTransitions = 17685
ExclusiveDeviationAlarmType_LimitState_CurrentState = 9879
ExclusiveDeviationAlarmType_LimitState_CurrentState_EffectiveDisplayName = 9883
ExclusiveDeviationAlarmType_LimitState_CurrentState_Id = 9880
ExclusiveDeviationAlarmType_LimitState_CurrentState_Name = 9881
ExclusiveDeviationAlarmType_LimitState_CurrentState_Number = 9882
ExclusiveDeviationAlarmType_LimitState_LastTransition = 9884
ExclusiveDeviationAlarmType_LimitState_LastTransition_EffectiveTransitionTime = 11476
ExclusiveDeviationAlarmType_LimitState_LastTransition_Id = 9885
ExclusiveDeviationAlarmType_LimitState_LastTransition_Name = 9886
ExclusiveDeviationAlarmType_LimitState_LastTransition_Number = 9887
ExclusiveDeviationAlarmType_LimitState_LastTransition_TransitionTime = 9888
ExclusiveDeviationAlarmType_LocalTime = 9771
ExclusiveDeviationAlarmType_LowLimit = 9903
ExclusiveDeviationAlarmType_LowLowLimit = 9904
ExclusiveDeviationAlarmType_MaxTimeShelved = 9877
ExclusiveDeviationAlarmType_Message = 9772
ExclusiveDeviationAlarmType_OffDelay = 16804
ExclusiveDeviationAlarmType_OnDelay = 16803
ExclusiveDeviationAlarmType_OutOfServiceState = 16779
ExclusiveDeviationAlarmType_OutOfServiceState_EffectiveDisplayName = 16783
ExclusiveDeviationAlarmType_OutOfServiceState_EffectiveTransitionTime = 16785
ExclusiveDeviationAlarmType_OutOfServiceState_FalseState = 16787
ExclusiveDeviationAlarmType_OutOfServiceState_Id = 16780
ExclusiveDeviationAlarmType_OutOfServiceState_Name = 16781
ExclusiveDeviationAlarmType_OutOfServiceState_Number = 16782
ExclusiveDeviationAlarmType_OutOfServiceState_TransitionTime = 16784
ExclusiveDeviationAlarmType_OutOfServiceState_TrueState = 16786
ExclusiveDeviationAlarmType_PlaceInService = 17933
ExclusiveDeviationAlarmType_Quality = 9786
ExclusiveDeviationAlarmType_Quality_SourceTimestamp = 9787
ExclusiveDeviationAlarmType_ReAlarmRepeatCount = 16809
ExclusiveDeviationAlarmType_ReAlarmTime = 16808
ExclusiveDeviationAlarmType_ReceiveTime = 9770
```



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ExclusiveDeviationAlarmType_RemoveFromService = 17932
ExclusiveDeviationAlarmType_Reset = 18296
ExclusiveDeviationAlarmType_Retain = 9776
ExclusiveDeviationAlarmType_SetpointNode = 9905
ExclusiveDeviationAlarmType_Severity = 9773
ExclusiveDeviationAlarmType_ShelvingState = 9839
ExclusiveDeviationAlarmType_ShelvingState_AvailableStates = 17682
ExclusiveDeviationAlarmType_ShelvingState_AvailableTransitions = 17683
ExclusiveDeviationAlarmType_ShelvingState_CurrentState = 9840
ExclusiveDeviationAlarmType_ShelvingState_CurrentState_EffectiveDisplayName = 9844
ExclusiveDeviationAlarmType_ShelvingState_CurrentState_Id = 9841
ExclusiveDeviationAlarmType_ShelvingState_CurrentState_Name = 9842
ExclusiveDeviationAlarmType_ShelvingState_CurrentState_Number = 9843
ExclusiveDeviationAlarmType_ShelvingState_LastTransition = 9845
ExclusiveDeviationAlarmType_ShelvingState_LastTransition_EffectiveTransitionTime = 114
ExclusiveDeviationAlarmType_ShelvingState_LastTransition_Id = 9846
ExclusiveDeviationAlarmType_ShelvingState_LastTransition_Name = 9847
ExclusiveDeviationAlarmType_ShelvingState_LastTransition_Number = 9848
ExclusiveDeviationAlarmType_ShelvingState_LastTransition_TransitionTime = 9849
ExclusiveDeviationAlarmType_ShelvingState_OneShotShelve = 9873
ExclusiveDeviationAlarmType_ShelvingState_TimedShelve = 9874
ExclusiveDeviationAlarmType_ShelvingState_TimedShelve_InputArguments = 9875
ExclusiveDeviationAlarmType_ShelvingState_Unshelve = 9872
ExclusiveDeviationAlarmType_ShelvingState_UnshelveTime = 9850
ExclusiveDeviationAlarmType_Silence = 16810
ExclusiveDeviationAlarmType_SilenceState = 16788
ExclusiveDeviationAlarmType_SilenceState_EffectiveDisplayName = 16792
ExclusiveDeviationAlarmType_SilenceState_EffectiveTransitionTime = 16794
ExclusiveDeviationAlarmType_SilenceState_FalseState = 16796
ExclusiveDeviationAlarmType_SilenceState_Id = 16789
ExclusiveDeviationAlarmType_SilenceState_Name = 16790
ExclusiveDeviationAlarmType_SilenceState_Number = 16791
ExclusiveDeviationAlarmType_SilenceState_TransitionTime = 16793
ExclusiveDeviationAlarmType_SilenceState_TrueState = 16795
ExclusiveDeviationAlarmType_SourceName = 9768
ExclusiveDeviationAlarmType_SourceNode = 9767
```

```
ExclusiveDeviationAlarmType_Suppress = 16811
ExclusiveDeviationAlarmType_SuppressedOrShelved = 9876
ExclusiveDeviationAlarmType_SuppressedState = 9830
ExclusiveDeviationAlarmType_SuppressedState_EffectiveDisplayName = 9834
ExclusiveDeviationAlarmType_SuppressedState_EffectiveTransitionTime = 9836
ExclusiveDeviationAlarmType_SuppressedState_FalseState = 9838
ExclusiveDeviationAlarmType_SuppressedState_Id = 9831
ExclusiveDeviationAlarmType_SuppressedState_Name = 9832
ExclusiveDeviationAlarmType_SuppressedState_Number = 9833
ExclusiveDeviationAlarmType_SuppressedState_TransitionTime = 9835
ExclusiveDeviationAlarmType_SuppressedState_TrueState = 9837
ExclusiveDeviationAlarmType_Time = 9769
ExclusiveDeviationAlarmType_Unsuppress = 17931
ExclusiveLevelAlarmType = 9482
ExclusiveLevelAlarmType_AckedState = 9517
ExclusiveLevelAlarmType_AckedState_EffectiveDisplayName = 9521
ExclusiveLevelAlarmType_AckedState_EffectiveTransitionTime = 9523
ExclusiveLevelAlarmType_AckedState_FalseState = 9525
ExclusiveLevelAlarmType_AckedState_Id = 9518
ExclusiveLevelAlarmType_AckedState_Name = 9519
ExclusiveLevelAlarmType_AckedState_Number = 9520
ExclusiveLevelAlarmType_AckedState_TransitionTime = 9522
ExclusiveLevelAlarmType_AckedState_TrueState = 9524
ExclusiveLevelAlarmType_Acknowledge = 9535
ExclusiveLevelAlarmType_Acknowledge_InputArguments = 9536
ExclusiveLevelAlarmType_ActiveState = 9539
ExclusiveLevelAlarmType_ActiveState_EffectiveDisplayName = 9543
ExclusiveLevelAlarmType_ActiveState_EffectiveTransitionTime = 9545
ExclusiveLevelAlarmType_ActiveState_FalseState = 9547
ExclusiveLevelAlarmType_ActiveState_Id = 9540
ExclusiveLevelAlarmType_ActiveState_Name = 9541
ExclusiveLevelAlarmType_ActiveState_Number = 9542
ExclusiveLevelAlarmType_ActiveState_TransitionTime = 9544
ExclusiveLevelAlarmType_ActiveState_TrueState = 9546
ExclusiveLevelAlarmType_AddComment = 9513
ExclusiveLevelAlarmType_AddComment_InputArguments = 9514
```

```
ExclusiveLevelAlarmType_AlarmGroup_Placeholder = 16726
ExclusiveLevelAlarmType_AudibleEnabled = 16716
ExclusiveLevelAlarmType_AudibleSound = 16717
ExclusiveLevelAlarmType_AudibleSound_AgencyId = 17908
ExclusiveLevelAlarmType_AudibleSound_ListId = 17907
ExclusiveLevelAlarmType_AudibleSound_VersionId = 17909
ExclusiveLevelAlarmType_BaseHighHighLimit = 16732
ExclusiveLevelAlarmType_BaseHighLimit = 16733
ExclusiveLevelAlarmType_BaseLowLimit = 16734
ExclusiveLevelAlarmType_BaseLowLowLimit = 16735
ExclusiveLevelAlarmType_BranchId = 9493
ExclusiveLevelAlarmType_ClientUserId = 9510
ExclusiveLevelAlarmType_Comment = 9508
ExclusiveLevelAlarmType_Comment_SourceTimestamp = 9509
ExclusiveLevelAlarmType_ConditionClassId = 11131
ExclusiveLevelAlarmType_ConditionClassName = 11132
ExclusiveLevelAlarmType_ConditionName = 9492
ExclusiveLevelAlarmType_ConditionRefresh = 9515
ExclusiveLevelAlarmType_ConditionRefresh2 = 12994
ExclusiveLevelAlarmType_ConditionRefresh2_InputArguments = 12995
ExclusiveLevelAlarmType_ConditionRefresh_InputArguments = 9516
ExclusiveLevelAlarmType_ConditionSubClassId = 16696
ExclusiveLevelAlarmType_ConditionSubClassName = 16697
ExclusiveLevelAlarmType_Confirm = 9537
ExclusiveLevelAlarmType_Confirm_InputArguments = 9538
ExclusiveLevelAlarmType_ConfirmedState = 9526
ExclusiveLevelAlarmType_ConfirmedState_EffectiveDisplayName = 9530
ExclusiveLevelAlarmType_ConfirmedState_EffectiveTransitionTime = 9532
ExclusiveLevelAlarmType_ConfirmedState_FalseState = 9534
ExclusiveLevelAlarmType_ConfirmedState_Id = 9527
ExclusiveLevelAlarmType_ConfirmedState_Name = 9528
ExclusiveLevelAlarmType_ConfirmedState_Number = 9529
ExclusiveLevelAlarmType_ConfirmedState_TransitionTime = 9531
ExclusiveLevelAlarmType_ConfirmedState_TrueState = 9533
ExclusiveLevelAlarmType_Disable = 9512
ExclusiveLevelAlarmType_Enable = 9511
```

```
ExclusiveLevelAlarmType_EnabledState = 9495
ExclusiveLevelAlarmType_EnabledState_EffectiveDisplayName = 9499
ExclusiveLevelAlarmType_EnabledState_EffectiveTransitionTime = 9501
ExclusiveLevelAlarmType_EnabledState_FalseState = 9503
ExclusiveLevelAlarmType_EnabledState_Id = 9496
ExclusiveLevelAlarmType_EnabledState_Name = 9497
ExclusiveLevelAlarmType_EnabledState_Number = 9498
ExclusiveLevelAlarmType_EnabledState_TransitionTime = 9500
ExclusiveLevelAlarmType_EnabledState_TrueState = 9502
ExclusiveLevelAlarmType_EventId = 9483
ExclusiveLevelAlarmType_EventType = 9484
ExclusiveLevelAlarmType_FirstInGroup = 16725
ExclusiveLevelAlarmType_FirstInGroupFlag = 16724
ExclusiveLevelAlarmType_HighHighLimit = 9619
ExclusiveLevelAlarmType_HighLimit = 9620
ExclusiveLevelAlarmType_InputNode = 11133
ExclusiveLevelAlarmType_LastSeverity = 9506
ExclusiveLevelAlarmType_LastSeverity_SourceTimestamp = 9507
ExclusiveLevelAlarmType_LatchedState = 18257
ExclusiveLevelAlarmType_LatchedState_EffectiveDisplayName = 18261
ExclusiveLevelAlarmType_LatchedState_EffectiveTransitionTime = 18263
ExclusiveLevelAlarmType_LatchedState_FalseState = 18265
ExclusiveLevelAlarmType_LatchedState_Id = 18258
ExclusiveLevelAlarmType_LatchedState_Name = 18259
ExclusiveLevelAlarmType_LatchedState_Number = 18260
ExclusiveLevelAlarmType_LatchedState_TransitionTime = 18262
ExclusiveLevelAlarmType_LatchedState_TrueState = 18264
ExclusiveLevelAlarmType_LimitState = 9596
ExclusiveLevelAlarmType_LimitState_AvailableStates = 17678
ExclusiveLevelAlarmType_LimitState_AvailableTransitions = 17679
ExclusiveLevelAlarmType_LimitState_CurrentState = 9597
ExclusiveLevelAlarmType_LimitState_CurrentState_EffectiveDisplayName = 9601
ExclusiveLevelAlarmType_LimitState_CurrentState_Id = 9598
ExclusiveLevelAlarmType_LimitState_CurrentState_Name = 9599
ExclusiveLevelAlarmType_LimitState_CurrentState_Number = 9600
ExclusiveLevelAlarmType_LimitState_LastTransition = 9602
```

ExclusiveLevelAlarmType\_LimitState\_LastTransition\_EffectiveTransitionTime = 11472  
ExclusiveLevelAlarmType\_LimitState\_LastTransition\_Id = 9603  
ExclusiveLevelAlarmType\_LimitState\_LastTransition\_Name = 9604  
ExclusiveLevelAlarmType\_LimitState\_LastTransition\_Number = 9605  
ExclusiveLevelAlarmType\_LimitState\_LastTransition\_TransitionTime = 9606  
ExclusiveLevelAlarmType\_LocalTime = 9489  
ExclusiveLevelAlarmType\_LowLimit = 9621  
ExclusiveLevelAlarmType\_LowLowLimit = 9622  
ExclusiveLevelAlarmType\_MaxTimeShelved = 9595  
ExclusiveLevelAlarmType\_Message = 9490  
ExclusiveLevelAlarmType\_OffDelay = 16723  
ExclusiveLevelAlarmType\_OnDelay = 16722  
ExclusiveLevelAlarmType\_OutOfServiceState = 16698  
ExclusiveLevelAlarmType\_OutOfServiceState\_EffectiveDisplayName = 16702  
ExclusiveLevelAlarmType\_OutOfServiceState\_EffectiveTransitionTime = 16704  
ExclusiveLevelAlarmType\_OutOfServiceState\_FalseState = 16706  
ExclusiveLevelAlarmType\_OutOfServiceState\_Id = 16699  
ExclusiveLevelAlarmType\_OutOfServiceState\_Name = 16700  
ExclusiveLevelAlarmType\_OutOfServiceState\_Number = 16701  
ExclusiveLevelAlarmType\_OutOfServiceState\_TransitionTime = 16703  
ExclusiveLevelAlarmType\_OutOfServiceState\_TrueState = 16705  
ExclusiveLevelAlarmType\_PlaceInService = 17912  
ExclusiveLevelAlarmType\_Quality = 9504  
ExclusiveLevelAlarmType\_Quality\_SourceTimestamp = 9505  
ExclusiveLevelAlarmType\_ReAlarmRepeatCount = 16728  
ExclusiveLevelAlarmType\_ReAlarmTime = 16727  
ExclusiveLevelAlarmType\_ReceiveTime = 9488  
ExclusiveLevelAlarmType\_RemoveFromService = 17911  
ExclusiveLevelAlarmType\_Reset = 18266  
ExclusiveLevelAlarmType\_Retain = 9494  
ExclusiveLevelAlarmType\_Severity = 9491  
ExclusiveLevelAlarmType\_ShelvingState = 9557  
ExclusiveLevelAlarmType\_ShelvingState\_AvailableStates = 17676  
ExclusiveLevelAlarmType\_ShelvingState\_AvailableTransitions = 17677  
ExclusiveLevelAlarmType\_ShelvingState\_CurrentState = 9558  
ExclusiveLevelAlarmType\_ShelvingState\_CurrentState\_EffectiveDisplayName = 9562

```
ExclusiveLevelAlarmType_ShelvingState_CurrentState_Id = 9559
ExclusiveLevelAlarmType_ShelvingState_CurrentState_Name = 9560
ExclusiveLevelAlarmType_ShelvingState_CurrentState_Number = 9561
ExclusiveLevelAlarmType_ShelvingState_LastTransition = 9563
ExclusiveLevelAlarmType_ShelvingState_LastTransition_EffectiveTransitionTime = 11471
ExclusiveLevelAlarmType_ShelvingState_LastTransition_Id = 9564
ExclusiveLevelAlarmType_ShelvingState_LastTransition_Name = 9565
ExclusiveLevelAlarmType_ShelvingState_LastTransition_Number = 9566
ExclusiveLevelAlarmType_ShelvingState_LastTransition_TransitionTime = 9567
ExclusiveLevelAlarmType_ShelvingState_OneShotShelve = 9591
ExclusiveLevelAlarmType_ShelvingState_TimedShelve = 9592
ExclusiveLevelAlarmType_ShelvingState_TimedShelve_InputArguments = 9593
ExclusiveLevelAlarmType_ShelvingState_Unshelve = 9590
ExclusiveLevelAlarmType_ShelvingState_UnshelveTime = 9568
ExclusiveLevelAlarmType_Silence = 16729
ExclusiveLevelAlarmType_SilenceState = 16707
ExclusiveLevelAlarmType_SilenceState_EffectiveDisplayName = 16711
ExclusiveLevelAlarmType_SilenceState_EffectiveTransitionTime = 16713
ExclusiveLevelAlarmType_SilenceState_FalseState = 16715
ExclusiveLevelAlarmType_SilenceState_Id = 16708
ExclusiveLevelAlarmType_SilenceState_Name = 16709
ExclusiveLevelAlarmType_SilenceState_Number = 16710
ExclusiveLevelAlarmType_SilenceState_TransitionTime = 16712
ExclusiveLevelAlarmType_SilenceState_TrueState = 16714
ExclusiveLevelAlarmType_SourceName = 9486
ExclusiveLevelAlarmType_SourceNode = 9485
ExclusiveLevelAlarmType_Suppress = 16730
ExclusiveLevelAlarmType_SuppressedOrShelved = 9594
ExclusiveLevelAlarmType_SuppressedState = 9548
ExclusiveLevelAlarmType_SuppressedState_EffectiveDisplayName = 9552
ExclusiveLevelAlarmType_SuppressedState_EffectiveTransitionTime = 9554
ExclusiveLevelAlarmType_SuppressedState_FalseState = 9556
ExclusiveLevelAlarmType_SuppressedState_Id = 9549
ExclusiveLevelAlarmType_SuppressedState_Name = 9550
ExclusiveLevelAlarmType_SuppressedState_Number = 9551
ExclusiveLevelAlarmType_SuppressedState_TransitionTime = 9553
```

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ExclusiveLevelAlarmType_SuppressedState_TrueState = 9555
ExclusiveLevelAlarmType_Time = 9487
ExclusiveLevelAlarmType_Unsuppress = 17910
ExclusiveLimitAlarmType = 9341
ExclusiveLimitAlarmType_AckedState = 9376
ExclusiveLimitAlarmType_AckedState_EffectiveDisplayName = 9380
ExclusiveLimitAlarmType_AckedState_EffectiveTransitionTime = 9382
ExclusiveLimitAlarmType_AckedState_FalseState = 9384
ExclusiveLimitAlarmType_AckedState_Id = 9377
ExclusiveLimitAlarmType_AckedState_Name = 9378
ExclusiveLimitAlarmType_AckedState_Number = 9379
ExclusiveLimitAlarmType_AckedState_TransitionTime = 9381
ExclusiveLimitAlarmType_AckedState_TrueState = 9383
ExclusiveLimitAlarmType_Acknowledge = 9394
ExclusiveLimitAlarmType_Acknowledge_InputArguments = 9395
ExclusiveLimitAlarmType_ActiveState = 9398
ExclusiveLimitAlarmType_ActiveState_EffectiveDisplayName = 9402
ExclusiveLimitAlarmType_ActiveState_EffectiveTransitionTime = 9404
ExclusiveLimitAlarmType_ActiveState_FalseState = 9406
ExclusiveLimitAlarmType_ActiveState_Id = 9399
ExclusiveLimitAlarmType_ActiveState_Name = 9400
ExclusiveLimitAlarmType_ActiveState_Number = 9401
ExclusiveLimitAlarmType_ActiveState_TransitionTime = 9403
ExclusiveLimitAlarmType_ActiveState_TrueState = 9405
ExclusiveLimitAlarmType_AddComment = 9372
ExclusiveLimitAlarmType_AddComment_InputArguments = 9373
ExclusiveLimitAlarmType_AlarmGroup_Placeholder = 16606
ExclusiveLimitAlarmType_AudibleEnabled = 16596
ExclusiveLimitAlarmType_AudibleSound = 16597
ExclusiveLimitAlarmType_AudibleSound_AgencyId = 17887
ExclusiveLimitAlarmType_AudibleSound_ListId = 17886
ExclusiveLimitAlarmType_AudibleSound_VersionId = 17888
ExclusiveLimitAlarmType_BaseHighHighLimit = 16612
ExclusiveLimitAlarmType_BaseHighLimit = 16613
ExclusiveLimitAlarmType_BaseLowLimit = 16614
ExclusiveLimitAlarmType_BaseLowLowLimit = 16615
```

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ExclusiveLimitAlarmType_BranchId = 9352
ExclusiveLimitAlarmType_ClientUserId = 9369
ExclusiveLimitAlarmType_Comment = 9367
ExclusiveLimitAlarmType_Comment_SourceTimestamp = 9368
ExclusiveLimitAlarmType_ConditionClassId = 11128
ExclusiveLimitAlarmType_ConditionClassName = 11129
ExclusiveLimitAlarmType_ConditionName = 9351
ExclusiveLimitAlarmType_ConditionRefresh = 9374
ExclusiveLimitAlarmType_ConditionRefresh2 = 12988
ExclusiveLimitAlarmType_ConditionRefresh2_InputArguments = 12989
ExclusiveLimitAlarmType_ConditionRefresh_InputArguments = 9375
ExclusiveLimitAlarmType_ConditionSubClassId = 16576
ExclusiveLimitAlarmType_ConditionSubClassName = 16577
ExclusiveLimitAlarmType_Confirm = 9396
ExclusiveLimitAlarmType_Confirm_InputArguments = 9397
ExclusiveLimitAlarmType_ConfirmedState = 9385
ExclusiveLimitAlarmType_ConfirmedState_EffectiveDisplayName = 9389
ExclusiveLimitAlarmType_ConfirmedState_EffectiveTransitionTime = 9391
ExclusiveLimitAlarmType_ConfirmedState_FalseState = 9393
ExclusiveLimitAlarmType_ConfirmedState_Id = 9386
ExclusiveLimitAlarmType_ConfirmedState_Name = 9387
ExclusiveLimitAlarmType_ConfirmedState_Number = 9388
ExclusiveLimitAlarmType_ConfirmedState_TransitionTime = 9390
ExclusiveLimitAlarmType_ConfirmedState_TrueState = 9392
ExclusiveLimitAlarmType_Disable = 9371
ExclusiveLimitAlarmType_Enable = 9370
ExclusiveLimitAlarmType_EnabledState = 9354
ExclusiveLimitAlarmType_EnabledState_EffectiveDisplayName = 9358
ExclusiveLimitAlarmType_EnabledState_EffectiveTransitionTime = 9360
ExclusiveLimitAlarmType_EnabledState_FalseState = 9362
ExclusiveLimitAlarmType_EnabledState_Id = 9355
ExclusiveLimitAlarmType_EnabledState_Name = 9356
ExclusiveLimitAlarmType_EnabledState_Number = 9357
ExclusiveLimitAlarmType_EnabledState_TransitionTime = 9359
ExclusiveLimitAlarmType_EnabledState_TrueState = 9361
ExclusiveLimitAlarmType_EventId = 9342
```



```
ExclusiveLimitAlarmType_EventType = 9343
ExclusiveLimitAlarmType_FirstInGroup = 16605
ExclusiveLimitAlarmType_FirstInGroupFlag = 16604
ExclusiveLimitAlarmType_HighHighLimit = 9478
ExclusiveLimitAlarmType_HighLimit = 9479
ExclusiveLimitAlarmType_InputNode = 11130
ExclusiveLimitAlarmType_LastSeverity = 9365
ExclusiveLimitAlarmType_LastSeverity_SourceTimestamp = 9366
ExclusiveLimitAlarmType_LatchedState = 18223
ExclusiveLimitAlarmType_LatchedState_EffectiveDisplayName = 18227
ExclusiveLimitAlarmType_LatchedState_EffectiveTransitionTime = 18229
ExclusiveLimitAlarmType_LatchedState_FalseState = 18231
ExclusiveLimitAlarmType_LatchedState_Id = 18224
ExclusiveLimitAlarmType_LatchedState_Name = 18225
ExclusiveLimitAlarmType_LatchedState_Number = 18226
ExclusiveLimitAlarmType_LatchedState_TransitionTime = 18228
ExclusiveLimitAlarmType_LatchedState_TrueState = 18230
ExclusiveLimitAlarmType_LimitState = 9455
ExclusiveLimitAlarmType_LimitState_AvailableStates = 17670
ExclusiveLimitAlarmType_LimitState_AvailableTransitions = 17671
ExclusiveLimitAlarmType_LimitState_CurrentState = 9456
ExclusiveLimitAlarmType_LimitState_CurrentState_EffectiveDisplayName = 9460
ExclusiveLimitAlarmType_LimitState_CurrentState_Id = 9457
ExclusiveLimitAlarmType_LimitState_CurrentState_Name = 9458
ExclusiveLimitAlarmType_LimitState_CurrentState_Number = 9459
ExclusiveLimitAlarmType_LimitState_LastTransition = 9461
ExclusiveLimitAlarmType_LimitState_LastTransition_EffectiveTransitionTime = 11470
ExclusiveLimitAlarmType_LimitState_LastTransition_Id = 9462
ExclusiveLimitAlarmType_LimitState_LastTransition_Name = 9463
ExclusiveLimitAlarmType_LimitState_LastTransition_Number = 9464
ExclusiveLimitAlarmType_LimitState_LastTransition_TransitionTime = 9465
ExclusiveLimitAlarmType_LocalTime = 9348
ExclusiveLimitAlarmType_LowLimit = 9480
ExclusiveLimitAlarmType_LowLowLimit = 9481
ExclusiveLimitAlarmType_MaxTimeShelved = 9454
ExclusiveLimitAlarmType_Message = 9349
```

```
ExclusiveLimitAlarmType_OffDelay = 16603
ExclusiveLimitAlarmType_OnDelay = 16602
ExclusiveLimitAlarmType_OutOfServiceState = 16578
ExclusiveLimitAlarmType_OutOfServiceState_EffectiveDisplayName = 16582
ExclusiveLimitAlarmType_OutOfServiceState_EffectiveTransitionTime = 16584
ExclusiveLimitAlarmType_OutOfServiceState_FalseState = 16586
ExclusiveLimitAlarmType_OutOfServiceState_Id = 16579
ExclusiveLimitAlarmType_OutOfServiceState_Name = 16580
ExclusiveLimitAlarmType_OutOfServiceState_Number = 16581
ExclusiveLimitAlarmType_OutOfServiceState_TransitionTime = 16583
ExclusiveLimitAlarmType_OutOfServiceState_TrueState = 16585
ExclusiveLimitAlarmType_PlaceInService = 17891
ExclusiveLimitAlarmType_Quality = 9363
ExclusiveLimitAlarmType_Quality_SourceTimestamp = 9364
ExclusiveLimitAlarmType_ReAlarmRepeatCount = 16608
ExclusiveLimitAlarmType_ReAlarmTime = 16607
ExclusiveLimitAlarmType_ReceiveTime = 9347
ExclusiveLimitAlarmType_RemoveFromService = 17890
ExclusiveLimitAlarmType_Reset = 18232
ExclusiveLimitAlarmType_Retain = 9353
ExclusiveLimitAlarmType_Severity = 9350
ExclusiveLimitAlarmType_ShelvingState = 9416
ExclusiveLimitAlarmType_ShelvingState_AvailableStates = 17668
ExclusiveLimitAlarmType_ShelvingState_AvailableTransitions = 17669
ExclusiveLimitAlarmType_ShelvingState_CurrentState = 9417
ExclusiveLimitAlarmType_ShelvingState_CurrentState_EffectiveDisplayName = 9421
ExclusiveLimitAlarmType_ShelvingState_CurrentState_Id = 9418
ExclusiveLimitAlarmType_ShelvingState_CurrentState_Name = 9419
ExclusiveLimitAlarmType_ShelvingState_CurrentState_Number = 9420
ExclusiveLimitAlarmType_ShelvingState_LastTransition = 9422
ExclusiveLimitAlarmType_ShelvingState_LastTransition_EffectiveTransitionTime = 11469
ExclusiveLimitAlarmType_ShelvingState_LastTransition_Id = 9423
ExclusiveLimitAlarmType_ShelvingState_LastTransition_Name = 9424
ExclusiveLimitAlarmType_ShelvingState_LastTransition_Number = 9425
ExclusiveLimitAlarmType_ShelvingState_LastTransition_TransitionTime = 9426
ExclusiveLimitAlarmType_ShelvingState_OneShotShelve = 9450
```

```
ExclusiveLimitAlarmType_ShelvingState_TimedShelve = 9451
ExclusiveLimitAlarmType_ShelvingState_TimedShelve_InputArguments = 9452
ExclusiveLimitAlarmType_ShelvingState_Unshelve = 9449
ExclusiveLimitAlarmType_ShelvingState_UnshelveTime = 9427
ExclusiveLimitAlarmType_Silence = 16609
ExclusiveLimitAlarmType_SilenceState = 16587
ExclusiveLimitAlarmType_SilenceState_EffectiveDisplayName = 16591
ExclusiveLimitAlarmType_SilenceState_EffectiveTransitionTime = 16593
ExclusiveLimitAlarmType_SilenceState_FalseState = 16595
ExclusiveLimitAlarmType_SilenceState_Id = 16588
ExclusiveLimitAlarmType_SilenceState_Name = 16589
ExclusiveLimitAlarmType_SilenceState_Number = 16590
ExclusiveLimitAlarmType_SilenceState_TransitionTime = 16592
ExclusiveLimitAlarmType_SilenceState_TrueState = 16594
ExclusiveLimitAlarmType_SourceName = 9345
ExclusiveLimitAlarmType_SourceNode = 9344
ExclusiveLimitAlarmType_Suppress = 16610
ExclusiveLimitAlarmType_SuppressedOrShelved = 9453
ExclusiveLimitAlarmType_SuppressedState = 9407
ExclusiveLimitAlarmType_SuppressedState_EffectiveDisplayName = 9411
ExclusiveLimitAlarmType_SuppressedState_EffectiveTransitionTime = 9413
ExclusiveLimitAlarmType_SuppressedState_FalseState = 9415
ExclusiveLimitAlarmType_SuppressedState_Id = 9408
ExclusiveLimitAlarmType_SuppressedState_Name = 9409
ExclusiveLimitAlarmType_SuppressedState_Number = 9410
ExclusiveLimitAlarmType_SuppressedState_TransitionTime = 9412
ExclusiveLimitAlarmType_SuppressedState_TrueState = 9414
ExclusiveLimitAlarmType_Time = 9346
ExclusiveLimitAlarmType_Unsuppress = 17889
ExclusiveLimitStateMachineType = 9318
ExclusiveLimitStateMachineType_AvailableStates = 17666
ExclusiveLimitStateMachineType_AvailableTransitions = 17667
ExclusiveLimitStateMachineType_CurrentState = 9319
ExclusiveLimitStateMachineType_CurrentState_EffectiveDisplayName = 9323
ExclusiveLimitStateMachineType_CurrentState_Id = 9320
ExclusiveLimitStateMachineType_CurrentState_Name = 9321
```

```
ExclusiveLimitStateMachineType_CurrentState_Number = 9322
ExclusiveLimitStateMachineType_High = 9331
ExclusiveLimitStateMachineType_HighHigh = 9329
ExclusiveLimitStateMachineType_HighHighToHigh = 9339
ExclusiveLimitStateMachineType_HighHighToHigh_TransitionNumber = 11342
ExclusiveLimitStateMachineType_HighHigh_StateNumber = 9330
ExclusiveLimitStateMachineType_HighToHighHigh = 9340
ExclusiveLimitStateMachineType_HighToHighHigh_TransitionNumber = 11343
ExclusiveLimitStateMachineType_High_StateNumber = 9332
ExclusiveLimitStateMachineType_LastTransition = 9324
ExclusiveLimitStateMachineType_LastTransition_EffectiveTransitionTime = 11468
ExclusiveLimitStateMachineType_LastTransition_Id = 9325
ExclusiveLimitStateMachineType_LastTransition_Name = 9326
ExclusiveLimitStateMachineType_LastTransition_Number = 9327
ExclusiveLimitStateMachineType_LastTransition_TransitionTime = 9328
ExclusiveLimitStateMachineType_Low = 9333
ExclusiveLimitStateMachineType_LowLow = 9335
ExclusiveLimitStateMachineType_LowLowToLow = 9337
ExclusiveLimitStateMachineType_LowLowToLow_TransitionNumber = 11340
ExclusiveLimitStateMachineType_LowLow_StateNumber = 9336
ExclusiveLimitStateMachineType_LowToLowLow = 9338
ExclusiveLimitStateMachineType_LowToLowLow_TransitionNumber = 11341
ExclusiveLimitStateMachineType_Low_StateNumber = 9334
ExclusiveRateOfChangeAlarmType = 9623
ExclusiveRateOfChangeAlarmType_AckedState = 9658
ExclusiveRateOfChangeAlarmType_AckedState_EffectiveDisplayName = 9662
ExclusiveRateOfChangeAlarmType_AckedState_EffectiveTransitionTime = 9664
ExclusiveRateOfChangeAlarmType_AckedState_FalseState = 9666
ExclusiveRateOfChangeAlarmType_AckedState_Id = 9659
ExclusiveRateOfChangeAlarmType_AckedState_Name = 9660
ExclusiveRateOfChangeAlarmType_AckedState_Number = 9661
ExclusiveRateOfChangeAlarmType_AckedState_TransitionTime = 9663
ExclusiveRateOfChangeAlarmType_AckedState_TrueState = 9665
ExclusiveRateOfChangeAlarmType_Acknowledge = 9676
ExclusiveRateOfChangeAlarmType_Acknowledge_InputArguments = 9677
ExclusiveRateOfChangeAlarmType_ActiveState = 9680
```

ExclusiveRateOfChangeAlarmType\_ActiveState\_EffectiveDisplayName = 9684  
ExclusiveRateOfChangeAlarmType\_ActiveState\_EffectiveTransitionTime = 9686  
ExclusiveRateOfChangeAlarmType\_ActiveState\_FalseState = 9688  
ExclusiveRateOfChangeAlarmType\_ActiveState\_Id = 9681  
ExclusiveRateOfChangeAlarmType\_ActiveState\_Name = 9682  
ExclusiveRateOfChangeAlarmType\_ActiveState\_Number = 9683  
ExclusiveRateOfChangeAlarmType\_ActiveState\_TransitionTime = 9685  
ExclusiveRateOfChangeAlarmType\_ActiveState\_TrueState = 9687  
ExclusiveRateOfChangeAlarmType\_AddComment = 9654  
ExclusiveRateOfChangeAlarmType\_AddComment\_InputArguments = 9655  
ExclusiveRateOfChangeAlarmType\_AlarmGroup\_Placeholder = 16889  
ExclusiveRateOfChangeAlarmType\_AudibleEnabled = 16879  
ExclusiveRateOfChangeAlarmType\_AudibleSound = 16880  
ExclusiveRateOfChangeAlarmType\_AudibleSound\_AgencyId = 17936  
ExclusiveRateOfChangeAlarmType\_AudibleSound\_ListId = 17935  
ExclusiveRateOfChangeAlarmType\_AudibleSound\_VersionId = 17937  
ExclusiveRateOfChangeAlarmType\_BaseHighHighLimit = 16895  
ExclusiveRateOfChangeAlarmType\_BaseHighLimit = 16896  
ExclusiveRateOfChangeAlarmType\_BaseLowLimit = 16897  
ExclusiveRateOfChangeAlarmType\_BaseLowLowLimit = 16898  
ExclusiveRateOfChangeAlarmType\_BranchId = 9634  
ExclusiveRateOfChangeAlarmType\_ClientUserId = 9651  
ExclusiveRateOfChangeAlarmType\_Comment = 9649  
ExclusiveRateOfChangeAlarmType\_Comment\_SourceTimestamp = 9650  
ExclusiveRateOfChangeAlarmType\_ConditionClassId = 11134  
ExclusiveRateOfChangeAlarmType\_ConditionClassName = 11135  
ExclusiveRateOfChangeAlarmType\_ConditionName = 9633  
ExclusiveRateOfChangeAlarmType\_ConditionRefresh = 9656  
ExclusiveRateOfChangeAlarmType\_ConditionRefresh2 = 13002  
ExclusiveRateOfChangeAlarmType\_ConditionRefresh2\_InputArguments = 13003  
ExclusiveRateOfChangeAlarmType\_ConditionRefresh\_InputArguments = 9657  
ExclusiveRateOfChangeAlarmType\_ConditionSubClassId = 16859  
ExclusiveRateOfChangeAlarmType\_ConditionSubClassName = 16860  
ExclusiveRateOfChangeAlarmType\_Confirm = 9678  
ExclusiveRateOfChangeAlarmType\_Confirm\_InputArguments = 9679  
ExclusiveRateOfChangeAlarmType\_ConfirmedState = 9667

ExclusiveRateOfChangeAlarmType\_ConfirmedState\_EffectiveDisplayName = 9671  
ExclusiveRateOfChangeAlarmType\_ConfirmedState\_EffectiveTransitionTime = 9673  
ExclusiveRateOfChangeAlarmType\_ConfirmedState\_FalseState = 9675  
ExclusiveRateOfChangeAlarmType\_ConfirmedState\_Id = 9668  
ExclusiveRateOfChangeAlarmType\_ConfirmedState\_Name = 9669  
ExclusiveRateOfChangeAlarmType\_ConfirmedState\_Number = 9670  
ExclusiveRateOfChangeAlarmType\_ConfirmedState\_TransitionTime = 9672  
ExclusiveRateOfChangeAlarmType\_ConfirmedState\_TrueState = 9674  
ExclusiveRateOfChangeAlarmType\_Disable = 9653  
ExclusiveRateOfChangeAlarmType\_Enable = 9652  
ExclusiveRateOfChangeAlarmType\_EnabledState = 9636  
ExclusiveRateOfChangeAlarmType\_EnabledState\_EffectiveDisplayName = 9640  
ExclusiveRateOfChangeAlarmType\_EnabledState\_EffectiveTransitionTime = 9642  
ExclusiveRateOfChangeAlarmType\_EnabledState\_FalseState = 9644  
ExclusiveRateOfChangeAlarmType\_EnabledState\_Id = 9637  
ExclusiveRateOfChangeAlarmType\_EnabledState\_Name = 9638  
ExclusiveRateOfChangeAlarmType\_EnabledState\_Number = 9639  
ExclusiveRateOfChangeAlarmType\_EnabledState\_TransitionTime = 9641  
ExclusiveRateOfChangeAlarmType\_EnabledState\_TrueState = 9643  
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ExclusiveRateOfChangeAlarmType\_EventType = 9625  
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ExclusiveRateOfChangeAlarmType\_LimitState\_CurrentState\_EffectiveDisplayName = 9742  
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FileTransferStateMachineType_ReadPrepareToReadTransfer_TransitionNumber = 15828
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ImageJPG = 2002
ImagePNG = 2003
InitialStateType = 2309
InitialStateType_StateNumber = 3736
InputArguments = 3072
InstanceNode = 11879
InstanceNode_Encoding_DefaultBinary = 11889
InstanceNode_Encoding_DefaultJson = 15069
InstanceNode_Encoding_DefaultXml = 11887
InstrumentDiagnosticAlarmType = 18347
InstrumentDiagnosticAlarmType_AckedState = 18388
InstrumentDiagnosticAlarmType_AckedState_EffectiveDisplayName = 18392
InstrumentDiagnosticAlarmType_AckedState_EffectiveTransitionTime = 18394
InstrumentDiagnosticAlarmType_AckedState_FalseState = 18396
InstrumentDiagnosticAlarmType_AckedState_Id = 18389
InstrumentDiagnosticAlarmType_AckedState_Name = 18390
InstrumentDiagnosticAlarmType_AckedState_Number = 18391
```

```
InstrumentDiagnosticAlarmType_AckedState_TransitionTime = 18393
InstrumentDiagnosticAlarmType_AckedState_TrueState = 18395
InstrumentDiagnosticAlarmType_Acknowledge = 18406
InstrumentDiagnosticAlarmType_Acknowledge_InputArguments = 18407
InstrumentDiagnosticAlarmType_ActiveState = 18410
InstrumentDiagnosticAlarmType_ActiveState_EffectiveDisplayName = 18414
InstrumentDiagnosticAlarmType_ActiveState_EffectiveTransitionTime = 18416
InstrumentDiagnosticAlarmType_ActiveState_FalseState = 18418
InstrumentDiagnosticAlarmType_ActiveState_Id = 18411
InstrumentDiagnosticAlarmType_ActiveState_Name = 18412
InstrumentDiagnosticAlarmType_ActiveState_Number = 18413
InstrumentDiagnosticAlarmType_ActiveState_TransitionTime = 18415
InstrumentDiagnosticAlarmType_ActiveState_TrueState = 18417
InstrumentDiagnosticAlarmType_AddComment = 18382
InstrumentDiagnosticAlarmType_AddComment_InputArguments = 18383
InstrumentDiagnosticAlarmType_AlarmGroup_Placeholder = 18486
InstrumentDiagnosticAlarmType_AudibleEnabled = 18459
InstrumentDiagnosticAlarmType_AudibleSound = 18460
InstrumentDiagnosticAlarmType_AudibleSound_AgencyId = 18462
InstrumentDiagnosticAlarmType_AudibleSound_ListId = 18461
InstrumentDiagnosticAlarmType_AudibleSound_VersionId = 18463
InstrumentDiagnosticAlarmType_BranchId = 18362
InstrumentDiagnosticAlarmType_ClientUserId = 18379
InstrumentDiagnosticAlarmType_Comment = 18377
InstrumentDiagnosticAlarmType_Comment_SourceTimestamp = 18378
InstrumentDiagnosticAlarmType_ConditionClassId = 18357
InstrumentDiagnosticAlarmType_ConditionClassName = 18358
InstrumentDiagnosticAlarmType_ConditionName = 18361
InstrumentDiagnosticAlarmType_ConditionRefresh = 18384
InstrumentDiagnosticAlarmType_ConditionRefresh2 = 18386
InstrumentDiagnosticAlarmType_ConditionRefresh2_InputArguments = 18387
InstrumentDiagnosticAlarmType_ConditionRefresh_InputArguments = 18385
InstrumentDiagnosticAlarmType_ConditionSubClassId = 18359
InstrumentDiagnosticAlarmType_ConditionSubClassName = 18360
InstrumentDiagnosticAlarmType_Confirm = 18408
InstrumentDiagnosticAlarmType_Confirm_InputArguments = 18409
```

```
InstrumentDiagnosticAlarmType_ConfirmedState = 18397
InstrumentDiagnosticAlarmType_ConfirmedState_EffectiveDisplayName = 18401
InstrumentDiagnosticAlarmType_ConfirmedState_EffectiveTransitionTime = 18403
InstrumentDiagnosticAlarmType_ConfirmedState_FalseState = 18405
InstrumentDiagnosticAlarmType_ConfirmedState_Id = 18398
InstrumentDiagnosticAlarmType_ConfirmedState_Name = 18399
InstrumentDiagnosticAlarmType_ConfirmedState_Number = 18400
InstrumentDiagnosticAlarmType_ConfirmedState_TransitionTime = 18402
InstrumentDiagnosticAlarmType_ConfirmedState_TrueState = 18404
InstrumentDiagnosticAlarmType_Disable = 18380
InstrumentDiagnosticAlarmType_Enable = 18381
InstrumentDiagnosticAlarmType_EnabledState = 18364
InstrumentDiagnosticAlarmType_EnabledState_EffectiveDisplayName = 18368
InstrumentDiagnosticAlarmType_EnabledState_EffectiveTransitionTime = 18370
InstrumentDiagnosticAlarmType_EnabledState_FalseState = 18372
InstrumentDiagnosticAlarmType_EnabledState_Id = 18365
InstrumentDiagnosticAlarmType_EnabledState_Name = 18366
InstrumentDiagnosticAlarmType_EnabledState_Number = 18367
InstrumentDiagnosticAlarmType_EnabledState_TransitionTime = 18369
InstrumentDiagnosticAlarmType_EnabledState_TrueState = 18371
InstrumentDiagnosticAlarmType_EventId = 18348
InstrumentDiagnosticAlarmType_EventType = 18349
InstrumentDiagnosticAlarmType_FirstInGroup = 18476
InstrumentDiagnosticAlarmType_FirstInGroupFlag = 18475
InstrumentDiagnosticAlarmType_InputNode = 18419
InstrumentDiagnosticAlarmType_LastSeverity = 18375
InstrumentDiagnosticAlarmType_LastSeverity_SourceTimestamp = 18376
InstrumentDiagnosticAlarmType_LatchedState = 18477
InstrumentDiagnosticAlarmType_LatchedState_EffectiveDisplayName = 18481
InstrumentDiagnosticAlarmType_LatchedState_EffectiveTransitionTime = 18483
InstrumentDiagnosticAlarmType_LatchedState_FalseState = 18485
InstrumentDiagnosticAlarmType_LatchedState_Id = 18478
InstrumentDiagnosticAlarmType_LatchedState_Name = 18479
InstrumentDiagnosticAlarmType_LatchedState_Number = 18480
InstrumentDiagnosticAlarmType_LatchedState_TransitionTime = 18482
InstrumentDiagnosticAlarmType_LatchedState_TrueState = 18484
```

```
InstrumentDiagnosticAlarmType_LocalTime = 18354
InstrumentDiagnosticAlarmType_MaxTimeShelved = 18458
InstrumentDiagnosticAlarmType_Message = 18355
InstrumentDiagnosticAlarmType_NormalState = 18495
InstrumentDiagnosticAlarmType_OffDelay = 18474
InstrumentDiagnosticAlarmType_OnDelay = 18473
InstrumentDiagnosticAlarmType_OutOfServiceState = 18429
InstrumentDiagnosticAlarmType_OutOfServiceState_EffectiveDisplayName = 18433
InstrumentDiagnosticAlarmType_OutOfServiceState_EffectiveTransitionTime = 18435
InstrumentDiagnosticAlarmType_OutOfServiceState_FalseState = 18437
InstrumentDiagnosticAlarmType_OutOfServiceState_Id = 18430
InstrumentDiagnosticAlarmType_OutOfServiceState_Name = 18431
InstrumentDiagnosticAlarmType_OutOfServiceState_Number = 18432
InstrumentDiagnosticAlarmType_OutOfServiceState_TransitionTime = 18434
InstrumentDiagnosticAlarmType_OutOfServiceState_TrueState = 18436
InstrumentDiagnosticAlarmType_PlaceInService = 18493
InstrumentDiagnosticAlarmType_Quality = 18373
InstrumentDiagnosticAlarmType_Quality_SourceTimestamp = 18374
InstrumentDiagnosticAlarmType_ReAlarmRepeatCount = 18488
InstrumentDiagnosticAlarmType_ReAlarmTime = 18487
InstrumentDiagnosticAlarmType_ReceiveTime = 18353
InstrumentDiagnosticAlarmType_RemoveFromService = 18492
InstrumentDiagnosticAlarmType_Reset = 18494
InstrumentDiagnosticAlarmType_Retain = 18363
InstrumentDiagnosticAlarmType_Severity = 18356
InstrumentDiagnosticAlarmType_ShelvingState = 18438
InstrumentDiagnosticAlarmType_ShelvingState_AvailableStates = 18450
InstrumentDiagnosticAlarmType_ShelvingState_AvailableTransitions = 18451
InstrumentDiagnosticAlarmType_ShelvingState_CurrentState = 18439
InstrumentDiagnosticAlarmType_ShelvingState_CurrentState_EffectiveDisplayName = 18443
InstrumentDiagnosticAlarmType_ShelvingState_CurrentState_Id = 18440
InstrumentDiagnosticAlarmType_ShelvingState_CurrentState_Name = 18441
InstrumentDiagnosticAlarmType_ShelvingState_CurrentState_Number = 18442
InstrumentDiagnosticAlarmType_ShelvingState_LastTransition = 18444
InstrumentDiagnosticAlarmType_ShelvingState_LastTransition_EffectiveTransitionTime = 18445
InstrumentDiagnosticAlarmType_ShelvingState_LastTransition_Id = 18445
```



```
InstrumentDiagnosticAlarmType_ShelvingState_LastTransition_Name = 18446
InstrumentDiagnosticAlarmType_ShelvingState_LastTransition_Number = 18447
InstrumentDiagnosticAlarmType_ShelvingState_LastTransition_TransitionTime = 18448
InstrumentDiagnosticAlarmType_ShelvingState_OneShotShelve = 18456
InstrumentDiagnosticAlarmType_ShelvingState_TimedShelve = 18453
InstrumentDiagnosticAlarmType_ShelvingState_TimedShelve_InputArguments = 18454
InstrumentDiagnosticAlarmType_ShelvingState_Unshelve = 18455
InstrumentDiagnosticAlarmType_ShelvingState_UnshelveTime = 18452
InstrumentDiagnosticAlarmType_Silence = 18489
InstrumentDiagnosticAlarmType_SilenceState = 18464
InstrumentDiagnosticAlarmType_SilenceState_EffectiveDisplayName = 18468
InstrumentDiagnosticAlarmType_SilenceState_EffectiveTransitionTime = 18470
InstrumentDiagnosticAlarmType_SilenceState_FalseState = 18472
InstrumentDiagnosticAlarmType_SilenceState_Id = 18465
InstrumentDiagnosticAlarmType_SilenceState_Name = 18466
InstrumentDiagnosticAlarmType_SilenceState_Number = 18467
InstrumentDiagnosticAlarmType_SilenceState_TransitionTime = 18469
InstrumentDiagnosticAlarmType_SilenceState_TrueState = 18471
InstrumentDiagnosticAlarmType_SourceName = 18351
InstrumentDiagnosticAlarmType_SourceNode = 18350
InstrumentDiagnosticAlarmType_Suppress = 18490
InstrumentDiagnosticAlarmType_SuppressedOrShelved = 18457
InstrumentDiagnosticAlarmType_SuppressedState = 18420
InstrumentDiagnosticAlarmType_SuppressedState_EffectiveDisplayName = 18424
InstrumentDiagnosticAlarmType_SuppressedState_EffectiveTransitionTime = 18426
InstrumentDiagnosticAlarmType_SuppressedState_FalseState = 18428
InstrumentDiagnosticAlarmType_SuppressedState_Id = 18421
InstrumentDiagnosticAlarmType_SuppressedState_Name = 18422
InstrumentDiagnosticAlarmType_SuppressedState_Number = 18423
InstrumentDiagnosticAlarmType_SuppressedState_TransitionTime = 18425
InstrumentDiagnosticAlarmType_SuppressedState_TrueState = 18427
InstrumentDiagnosticAlarmType_Time = 18352
InstrumentDiagnosticAlarmType_Unsuppress = 18491

Int16 = 4
Int32 = 6
Int64 = 8
```

```
Integer = 27
IntegerId = 288
IssuedIdentityToken = 938
IssuedIdentityToken_Encoding_DefaultBinary = 940
IssuedIdentityToken_Encoding_DefaultJson = 15144
IssuedIdentityToken_Encoding_DefaultXml = 939
JsonDataSetMessageContentMask = 15658
JsonDataSetMessageContentMask_OptionSetValues = 15659
JsonDataSetReaderMessageDataType = 15665
JsonDataSetReaderMessageDataType_Encoding_DefaultBinary = 15725
JsonDataSetReaderMessageDataType_Encoding_DefaultJson = 16404
JsonDataSetReaderMessageDataType_Encoding_DefaultXml = 16019
JsonDataSetReaderMessageType = 21130
JsonDataSetReaderMessageType_DataSetMessageContentMask = 21132
JsonDataSetReaderMessageType_NetworkMessageContentMask = 21131
JsonDataSetWriterMessageDataType = 15664
JsonDataSetWriterMessageDataType_Encoding_DefaultBinary = 15724
JsonDataSetWriterMessageDataType_Encoding_DefaultJson = 16394
JsonDataSetWriterMessageDataType_Encoding_DefaultXml = 16018
JsonDataSetWriterMessageType = 21128
JsonDataSetWriterMessageType_DataSetMessageContentMask = 21129
JsonNetworkMessageContentMask = 15654
JsonNetworkMessageContentMask_OptionSetValues = 15655
JsonWriterGroupMessageDataType = 15657
JsonWriterGroupMessageDataType_Encoding_DefaultBinary = 15719
JsonWriterGroupMessageDataType_Encoding_DefaultJson = 16393
JsonWriterGroupMessageDataType_Encoding_DefaultXml = 16017
JsonWriterGroupMessageType = 21126
JsonWriterGroupMessageType_NetworkMessageContentMask = 21127
KeyCredentialAuditEventType = 18011
KeyCredentialAuditEventType_ActionTimeStamp = 18021
KeyCredentialAuditEventType_ClientAuditEntryId = 18024
KeyCredentialAuditEventType_ClientUserId = 18025
KeyCredentialAuditEventType_EventId = 18012
KeyCredentialAuditEventType_EventType = 18013
KeyCredentialAuditEventType_InputArguments = 18027
```

```
KeyCredentialAuditEventType_LocalTime = 18018
KeyCredentialAuditEventType_Message = 18019
KeyCredentialAuditEventType_MethodId = 18026
KeyCredentialAuditEventType_ReceiveTime = 18017
KeyCredentialAuditEventType_ResourceUri = 18028
KeyCredentialAuditEventType_ServerId = 18023
KeyCredentialAuditEventType_Severity = 18020
KeyCredentialAuditEventType_SourceName = 18015
KeyCredentialAuditEventType_SourceNode = 18014
KeyCredentialAuditEventType_Status = 18022
KeyCredentialAuditEventType_Time = 18016
KeyCredentialConfiguration = 18155
KeyCredentialConfigurationType = 18001
KeyCredentialConfigurationType_DeleteCredential = 18008
KeyCredentialConfigurationType_EndpointUrls = 18004
KeyCredentialConfigurationType_ProfileUri = 18165
KeyCredentialConfigurationType_ResourceUri = 18069
KeyCredentialConfigurationType_ServiceStatus = 18005
KeyCredentialConfigurationType_UpdateCredential = 18006
KeyCredentialConfigurationType_UpdateCredential_InputArguments = 18007
KeyCredentialConfiguration_ServiceName_Placeholder = 18156
KeyCredentialConfiguration_ServiceName_Placeholder_DeleteCredential = 18163
KeyCredentialConfiguration_ServiceName_Placeholder_EndpointUrls = 18159
KeyCredentialConfiguration_ServiceName_Placeholder_ProfileUri = 18164
KeyCredentialConfiguration_ServiceName_Placeholder_ResourceUri = 18157
KeyCredentialConfiguration_ServiceName_Placeholder_ServiceStatus = 18160
KeyCredentialConfiguration_ServiceName_Placeholder_UpdateCredential = 18161
KeyCredentialConfiguration_ServiceName_Placeholder_UpdateCredential_InputArguments = 1
KeyCredentialDeletedAuditEventType = 18047
KeyCredentialDeletedAuditEventType_ActionTimeStamp = 18057
KeyCredentialDeletedAuditEventType_ClientAuditEntryId = 18060
KeyCredentialDeletedAuditEventType_ClientUserId = 18061
KeyCredentialDeletedAuditEventType_EventId = 18048
KeyCredentialDeletedAuditEventType_EventType = 18049
KeyCredentialDeletedAuditEventType_InputArguments = 18063
KeyCredentialDeletedAuditEventType_LocalTime = 18054
```

```
KeyCredentialDeletedAuditEventType_Message = 18055
KeyCredentialDeletedAuditEventType_MethodId = 18062
KeyCredentialDeletedAuditEventType_ReceiveTime = 18053
KeyCredentialDeletedAuditEventType_ResourceUri = 18064
KeyCredentialDeletedAuditEventType_ServerId = 18059
KeyCredentialDeletedAuditEventType_Severity = 18056
KeyCredentialDeletedAuditEventType_SourceName = 18051
KeyCredentialDeletedAuditEventType_SourceNode = 18050
KeyCredentialDeletedAuditEventType_Status = 18058
KeyCredentialDeletedAuditEventType_Time = 18052
KeyCredentialUpdateMethodType = 18009
KeyCredentialUpdateMethodType_InputArguments = 18010
KeyCredentialUpdatedAuditEventType = 18029
KeyCredentialUpdatedAuditEventType_ActionTimeStamp = 18039
KeyCredentialUpdatedAuditEventType_ClientAuditEntryId = 18042
KeyCredentialUpdatedAuditEventType_ClientUserId = 18043
KeyCredentialUpdatedAuditEventType_EventId = 18030
KeyCredentialUpdatedAuditEventType_EventType = 18031
KeyCredentialUpdatedAuditEventType_InputArguments = 18045
KeyCredentialUpdatedAuditEventType_LocalTime = 18036
KeyCredentialUpdatedAuditEventType_Message = 18037
KeyCredentialUpdatedAuditEventType_MethodId = 18044
KeyCredentialUpdatedAuditEventType_ReceiveTime = 18035
KeyCredentialUpdatedAuditEventType_ResourceUri = 18046
KeyCredentialUpdatedAuditEventType_ServerId = 18041
KeyCredentialUpdatedAuditEventType_Severity = 18038
KeyCredentialUpdatedAuditEventType_SourceName = 18033
KeyCredentialUpdatedAuditEventType_SourceNode = 18032
KeyCredentialUpdatedAuditEventType_Status = 18040
KeyCredentialUpdatedAuditEventType_Time = 18034
KeyValuePair = 14533
KeyValuePair_Encoding_DefaultBinary = 14846
KeyValuePair_Encoding_DefaultJson = 15041
KeyValuePair_Encoding_DefaultXml = 14802
LimitAlarmType = 2955
LimitAlarmType_AckedState = 9239
```

`LimitAlarmType_AckedState_EffectiveDisplayName = 9243`  
`LimitAlarmType_AckedState_EffectiveTransitionTime = 9245`  
`LimitAlarmType_AckedState_FalseState = 9247`  
`LimitAlarmType_AckedState_Id = 9240`  
`LimitAlarmType_AckedState_Name = 9241`  
`LimitAlarmType_AckedState_Number = 9242`  
`LimitAlarmType_AckedState_TransitionTime = 9244`  
`LimitAlarmType_AckedState_TrueState = 9246`  
`LimitAlarmType_Acknowledge = 9257`  
`LimitAlarmType_Acknowledge_InputArguments = 9258`  
`LimitAlarmType_ActiveState = 9261`  
`LimitAlarmType_ActiveState_EffectiveDisplayName = 9265`  
`LimitAlarmType_ActiveState_EffectiveTransitionTime = 9267`  
`LimitAlarmType_ActiveState_FalseState = 9269`  
`LimitAlarmType_ActiveState_Id = 9262`  
`LimitAlarmType_ActiveState_Name = 9263`  
`LimitAlarmType_ActiveState_Number = 9264`  
`LimitAlarmType_ActiveState_TransitionTime = 9266`  
`LimitAlarmType_ActiveState_TrueState = 9268`  
`LimitAlarmType_AddComment = 9237`  
`LimitAlarmType_AddComment_InputArguments = 9238`  
`LimitAlarmType_AlarmGroup_Placeholder = 16566`  
`LimitAlarmType_AudibleEnabled = 16556`  
`LimitAlarmType_AudibleSound = 16557`  
`LimitAlarmType_AudibleSound_AgencyId = 17880`  
`LimitAlarmType_AudibleSound_ListId = 17879`  
`LimitAlarmType_AudibleSound_VersionId = 17881`  
`LimitAlarmType_BaseHighHighLimit = 16572`  
`LimitAlarmType_BaseHighLimit = 16573`  
`LimitAlarmType_BaseLowLimit = 16574`  
`LimitAlarmType_BaseLowLowLimit = 16575`  
`LimitAlarmType_BranchId = 9218`  
`LimitAlarmType_ClientUserId = 9234`  
`LimitAlarmType_Comment = 9232`  
`LimitAlarmType_Comment_SourceTimestamp = 9233`  
`LimitAlarmType_ConditionClassId = 11121`

```
LimitAlarmType_ConditionClassName = 11122
LimitAlarmType_ConditionName = 9217
LimitAlarmType_ConditionRefresh = 6126
LimitAlarmType_ConditionRefresh2 = 12986
LimitAlarmType_ConditionRefresh2_InputArguments = 12987
LimitAlarmType_ConditionRefresh_InputArguments = 6127
LimitAlarmType_ConditionSubClassId = 16536
LimitAlarmType_ConditionSubClassName = 16537
LimitAlarmType_Confirm = 9259
LimitAlarmType_Confirm_InputArguments = 9260
LimitAlarmType_ConfirmedState = 9248
LimitAlarmType_ConfirmedState_EffectiveDisplayName = 9252
LimitAlarmType_ConfirmedState_EffectiveTransitionTime = 9254
LimitAlarmType_ConfirmedState_FalseState = 9256
LimitAlarmType_ConfirmedState_Id = 9249
LimitAlarmType_ConfirmedState_Name = 9250
LimitAlarmType_ConfirmedState_Number = 9251
LimitAlarmType_ConfirmedState_TransitionTime = 9253
LimitAlarmType_ConfirmedState_TrueState = 9255
LimitAlarmType_Disable = 9236
LimitAlarmType_Enable = 9235
LimitAlarmType_EnabledState = 9219
LimitAlarmType_EnabledState_EffectiveDisplayName = 9223
LimitAlarmType_EnabledState_EffectiveTransitionTime = 9225
LimitAlarmType_EnabledState_FalseState = 9227
LimitAlarmType_EnabledState_Id = 9220
LimitAlarmType_EnabledState_Name = 9221
LimitAlarmType_EnabledState_Number = 9222
LimitAlarmType_EnabledState_TransitionTime = 9224
LimitAlarmType_EnabledState_TrueState = 9226
LimitAlarmType_EventId = 6116
LimitAlarmType_EventType = 6117
LimitAlarmType_FirstInGroup = 16565
LimitAlarmType_FirstInGroupFlag = 16564
LimitAlarmType_HighHighLimit = 11124
LimitAlarmType_HighLimit = 11125
```

```
LimitAlarmType_InputNode = 11123
LimitAlarmType_LastSeverity = 9230
LimitAlarmType_LastSeverity_SourceTimestamp = 9231
LimitAlarmType_LatchedState = 18213
LimitAlarmType_LatchedState_EffectiveDisplayName = 18217
LimitAlarmType_LatchedState_EffectiveTransitionTime = 18219
LimitAlarmType_LatchedState_FalseState = 18221
LimitAlarmType_LatchedState_Id = 18214
LimitAlarmType_LatchedState_Name = 18215
LimitAlarmType_LatchedState_Number = 18216
LimitAlarmType_LatchedState_TransitionTime = 18218
LimitAlarmType_LatchedState_TrueState = 18220
LimitAlarmType_LocalTime = 6122
LimitAlarmType_LowLimit = 11126
LimitAlarmType_LowLowLimit = 11127
LimitAlarmType_MaxTimeShelved = 9317
LimitAlarmType_Message = 6123
LimitAlarmType_OffDelay = 16563
LimitAlarmType_OnDelay = 16562
LimitAlarmType_OutOfServiceState = 16538
LimitAlarmType_OutOfServiceState_EffectiveDisplayName = 16542
LimitAlarmType_OutOfServiceState_EffectiveTransitionTime = 16544
LimitAlarmType_OutOfServiceState_FalseState = 16546
LimitAlarmType_OutOfServiceState_Id = 16539
LimitAlarmType_OutOfServiceState_Name = 16540
LimitAlarmType_OutOfServiceState_Number = 16541
LimitAlarmType_OutOfServiceState_TransitionTime = 16543
LimitAlarmType_OutOfServiceState_TrueState = 16545
LimitAlarmType_PlaceInService = 17884
LimitAlarmType_Quality = 9228
LimitAlarmType_Quality_SourceTimestamp = 9229
LimitAlarmType_ReAlarmRepeatCount = 16568
LimitAlarmType_ReAlarmTime = 16567
LimitAlarmType_ReceiveTime = 6121
LimitAlarmType_RemoveFromService = 17883
LimitAlarmType_Reset = 18222
```

```
LimitAlarmType_Retain = 6125
LimitAlarmType_Severity = 6124
LimitAlarmType_ShelvingState = 9279
LimitAlarmType_ShelvingState_AvailableStates = 17664
LimitAlarmType_ShelvingState_AvailableTransitions = 17665
LimitAlarmType_ShelvingState_CurrentState = 9280
LimitAlarmType_ShelvingState_CurrentState_EffectiveDisplayName = 9284
LimitAlarmType_ShelvingState_CurrentState_Id = 9281
LimitAlarmType_ShelvingState_CurrentState_Name = 9282
LimitAlarmType_ShelvingState_CurrentState_Number = 9283
LimitAlarmType_ShelvingState_LastTransition = 9285
LimitAlarmType_ShelvingState_LastTransition_EffectiveTransitionTime = 11467
LimitAlarmType_ShelvingState_LastTransition_Id = 9286
LimitAlarmType_ShelvingState_LastTransition_Name = 9287
LimitAlarmType_ShelvingState_LastTransition_Number = 9288
LimitAlarmType_ShelvingState_LastTransition_TransitionTime = 9289
LimitAlarmType_ShelvingState_OneShotShelve = 9313
LimitAlarmType_ShelvingState_TimedShelve = 9314
LimitAlarmType_ShelvingState_TimedShelve_InputArguments = 9315
LimitAlarmType_ShelvingState_Unshelve = 9312
LimitAlarmType_ShelvingState_UnshelveTime = 9290
LimitAlarmType_Silence = 16569
LimitAlarmType_SilenceState = 16547
LimitAlarmType_SilenceState_EffectiveDisplayName = 16551
LimitAlarmType_SilenceState_EffectiveTransitionTime = 16553
LimitAlarmType_SilenceState_FalseState = 16555
LimitAlarmType_SilenceState_Id = 16548
LimitAlarmType_SilenceState_Name = 16549
LimitAlarmType_SilenceState_Number = 16550
LimitAlarmType_SilenceState_TransitionTime = 16552
LimitAlarmType_SilenceState_TrueState = 16554
LimitAlarmType_SourceName = 6119
LimitAlarmType_SourceNode = 6118
LimitAlarmType_Suppress = 16570
LimitAlarmType_SuppressedOrShelved = 9316
LimitAlarmType_SuppressedState = 9270
```



```
LimitAlarmType_SuppressedState_EffectiveDisplayName = 9274
LimitAlarmType_SuppressedState_EffectiveTransitionTime = 9276
LimitAlarmType_SuppressedState_FalseState = 9278
LimitAlarmType_SuppressedState_Id = 9271
LimitAlarmType_SuppressedState_Name = 9272
LimitAlarmType_SuppressedState_Number = 9273
LimitAlarmType_SuppressedState_TransitionTime = 9275
LimitAlarmType_SuppressedState_TrueState = 9277
LimitAlarmType_Time = 6120
LimitAlarmType_Unsuppress = 17882
LiteralOperand = 595
LiteralOperand_Encoding_DefaultBinary = 597
LiteralOperand_Encoding_DefaultJson = 15208
LiteralOperand_Encoding_DefaultXml = 596
LocalTime = 3069
LocaleId = 295
LocalizedText = 21
MaintenanceConditionClassType = 11165
MaxArrayLength = 11512
MaxByteStringLength = 12908
MaxCharacters = 15002
MaxStringLength = 11498
MdnsDiscoveryConfiguration = 12891
MdnsDiscoveryConfiguration_Encoding_DefaultBinary = 12901
MdnsDiscoveryConfiguration_Encoding_DefaultJson = 15106
MdnsDiscoveryConfiguration_Encoding_DefaultXml = 12893
MessageSecurityMode = 302
MessageSecurityMode_EnumStrings = 7595
MethodAttributes = 358
MethodAttributes_Encoding_DefaultBinary = 360
MethodAttributes_Encoding_DefaultJson = 15157
MethodAttributes_Encoding_DefaultXml = 359
MethodNode = 276
MethodNode_Encoding_DefaultBinary = 278
MethodNode_Encoding_DefaultJson = 15077
MethodNode_Encoding_DefaultXml = 277
```

```
ModelChangeStructureDataType = 877
ModelChangeStructureDataType_Encoding_DefaultBinary = 879
ModelChangeStructureDataType_Encoding_DefaultJson = 15373
ModelChangeStructureDataType_Encoding_DefaultXml = 878
ModelChangeStructureVerbMask = 11941
ModelChangeStructureVerbMask_EnumValues = 11942
ModellingRuleType = 77
ModellingRuleType_NamingRule = 111
ModellingRule_ExposesItsArray = 83
ModellingRule_ExposesItsArray_NamingRule = 114
ModellingRule_Mandatory = 78
ModellingRule_MandatoryPlaceholder = 11510
ModellingRule_MandatoryPlaceholder_NamingRule = 11511
ModellingRule_MandatoryShared = 79
ModellingRule_MandatoryShared_NamingRule = 116
ModellingRule_Mandatory_NamingRule = 112
ModellingRule_Optional = 80
ModellingRule_OptionalPlaceholder = 11508
ModellingRule_OptionalPlaceholder_NamingRule = 11509
ModellingRule_Optional_NamingRule = 113
ModificationInfo = 11216
ModificationInfo_Encoding_DefaultBinary = 11226
ModificationInfo_Encoding_DefaultJson = 15271
ModificationInfo_Encoding_DefaultXml = 11218
ModifyMonitoredItemsRequest = 761
ModifyMonitoredItemsRequest_Encoding_DefaultBinary = 763
ModifyMonitoredItemsRequest_Encoding_DefaultJson = 15327
ModifyMonitoredItemsRequest_Encoding_DefaultXml = 762
ModifyMonitoredItemsResponse = 764
ModifyMonitoredItemsResponse_Encoding_DefaultBinary = 766
ModifyMonitoredItemsResponse_Encoding_DefaultJson = 15328
ModifyMonitoredItemsResponse_Encoding_DefaultXml = 765
ModifySubscriptionRequest = 791
ModifySubscriptionRequest_Encoding_DefaultBinary = 793
ModifySubscriptionRequest_Encoding_DefaultJson = 15339
ModifySubscriptionRequest_Encoding_DefaultXml = 792
```

```
ModifySubscriptionResponse = 794
ModifySubscriptionResponse_Encoding_DefaultBinary = 796
ModifySubscriptionResponse_Encoding_DefaultJson = 15340
ModifySubscriptionResponse_Encoding_DefaultXml = 795
MonitoredItemCreateRequest = 743
MonitoredItemCreateRequest_Encoding_DefaultBinary = 745
MonitoredItemCreateRequest_Encoding_DefaultJson = 15321
MonitoredItemCreateRequest_Encoding_DefaultXml = 744
MonitoredItemCreateResult = 746
MonitoredItemCreateResult_Encoding_DefaultBinary = 748
MonitoredItemCreateResult_Encoding_DefaultJson = 15322
MonitoredItemCreateResult_Encoding_DefaultXml = 747
MonitoredItemModifyRequest = 755
MonitoredItemModifyRequest_Encoding_DefaultBinary = 757
MonitoredItemModifyRequest_Encoding_DefaultJson = 15325
MonitoredItemModifyRequest_Encoding_DefaultXml = 756
MonitoredItemModifyResult = 758
MonitoredItemModifyResult_Encoding_DefaultBinary = 760
MonitoredItemModifyResult_Encoding_DefaultJson = 15326
MonitoredItemModifyResult_Encoding_DefaultXml = 759
MonitoredItemNotification = 806
MonitoredItemNotification_Encoding_DefaultBinary = 808
MonitoredItemNotification_Encoding_DefaultJson = 15346
MonitoredItemNotification_Encoding_DefaultXml = 807
MonitoringFilter = 719
MonitoringFilterResult = 731
MonitoringFilterResult_Encoding_DefaultBinary = 733
MonitoringFilterResult_Encoding_DefaultJson = 15313
MonitoringFilterResult_Encoding_DefaultXml = 732
MonitoringFilter_Encoding_DefaultBinary = 721
MonitoringFilter_Encoding_DefaultJson = 15293
MonitoringFilter_Encoding_DefaultXml = 720
MonitoringMode = 716
MonitoringMode_EnumStrings = 7608
MonitoringParameters = 740
MonitoringParameters_Encoding_DefaultBinary = 742
```

```
MonitoringParameters_Encoding_DefaultJson = 15320
MonitoringParameters_Encoding_DefaultXml = 741
MoveOrCopyMethodType = 13350
MoveOrCopyMethodType_InputArguments = 13351
MoveOrCopyMethodType_OutputArguments = 13352
MultiStateDiscreteType = 2376
MultiStateDiscreteType_Definition = 3780
MultiStateDiscreteType_EnumStrings = 2377
MultiStateDiscreteType_ValuePrecision = 3781
MultiStateValueDiscreteType = 11238
MultiStateValueDiscreteType_Definition = 11239
MultiStateValueDiscreteType_EnumValues = 11241
MultiStateValueDiscreteType_ValueAsText = 11461
MultiStateValueDiscreteType_ValuePrecision = 11240
NDimensionArrayItemType = 12068
NDimensionArrayItemType_AxisDefinition = 12076
NDimensionArrayItemType_AxisScaleType = 12075
NDimensionArrayItemType_Definition = 12069
NDimensionArrayItemType_EURange = 12072
NDimensionArrayItemType_EngineeringUnits = 12073
NDimensionArrayItemType_InstrumentRange = 12071
NDimensionArrayItemType_Title = 12074
NDimensionArrayItemType_ValuePrecision = 12070
NamespaceMetadataType = 11616
NamespaceMetadataType_DefaultAccessRestrictions = 16139
NamespaceMetadataType_DefaultRolePermissions = 16137
NamespaceMetadataType_DefaultUserRolePermissions = 16138
NamespaceMetadataType_IsNamespaceSubset = 11620
NamespaceMetadataType_NamespaceFile = 11624
NamespaceMetadataType_NamespaceFile_Close = 11632
NamespaceMetadataType_NamespaceFile_Close_InputArguments = 11633
NamespaceMetadataType_NamespaceFile_ExportNamespace = 11644
NamespaceMetadataType_NamespaceFile_GetPosition = 11639
NamespaceMetadataType_NamespaceFile_GetPosition_InputArguments = 11640
NamespaceMetadataType_NamespaceFile_GetPosition_OutputArguments = 11641
NamespaceMetadataType_NamespaceFile_MimeType = 13399
```

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NamespaceMetadataType_NamespaceFile_Open = 11629
NamespaceMetadataType_NamespaceFile_OpenCount = 11628
NamespaceMetadataType_NamespaceFile_Open_InputArguments = 11630
NamespaceMetadataType_NamespaceFile_Open_OutputArguments = 11631
NamespaceMetadataType_NamespaceFile_Read = 11634
NamespaceMetadataType_NamespaceFile_Read_InputArguments = 11635
NamespaceMetadataType_NamespaceFile_Read_OutputArguments = 11636
NamespaceMetadataType_NamespaceFile_SetPosition = 11642
NamespaceMetadataType_NamespaceFile_SetPosition_InputArguments = 11643
NamespaceMetadataType_NamespaceFile_Size = 11625
NamespaceMetadataType_NamespaceFile_UserWritable = 12691
NamespaceMetadataType_NamespaceFile_Writable = 12690
NamespaceMetadataType_NamespaceFile_Write = 11637
NamespaceMetadataType_NamespaceFile_Write_InputArguments = 11638
NamespaceMetadataType_NamespacePublicationDate = 11619
NamespaceMetadataType_NamespaceUri = 11617
NamespaceMetadataType_NamespaceVersion = 11618
NamespaceMetadataType_StaticNodeIdTypes = 11621
NamespaceMetadataType_StaticNumericNodeIdRange = 11622
NamespaceMetadataType_StaticStringNodeIdPattern = 11623
NamespacesType = 11645
NamespacesType_NamespaceIdentifier_Placeholder = 11646
NamespacesType_NamespaceIdentifier_Placeholder_DefaultAccessRestrictions = 16142
NamespacesType_NamespaceIdentifier_Placeholder_DefaultRolePermissions = 16140
NamespacesType_NamespaceIdentifier_Placeholder_DefaultUserRolePermissions = 16141
NamespacesType_NamespaceIdentifier_Placeholder_IsNamespaceSubset = 11650
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile = 11654
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_Close = 11662
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_Close_InputArguments = 11663
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_ExportNamespace = 11674
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_GetPosition = 11669
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_GetPosition_InputArguments = 11670
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_GetPosition_OutputArguments = 11671
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_MimeType = 13400
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_Open = 11659
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_OpenCount = 11658
```

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NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_Open_InputArguments = 116
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_Open_OutputArguments = 11
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_Read = 11664
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_Read_InputArguments = 116
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_Read_OutputArguments = 11
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_SetPosition = 11672
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_SetPosition_InputArgument
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_Size = 11655
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_UserWritable = 12693
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_Writable = 12692
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_Write = 11667
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceFile_Write_InputArguments = 11
NamespacesType_NamespaceIdentifier_Placeholder_NamespacePublicationDate = 11649
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceUri = 11647
NamespacesType_NamespaceIdentifier_Placeholder_NamespaceVersion = 11648
NamespacesType_NamespaceIdentifier_Placeholder_StaticNodeIdTypes = 11651
NamespacesType_NamespaceIdentifier_Placeholder_StaticNumericNodeIdRange = 11652
NamespacesType_NamespaceIdentifier_Placeholder_StaticStringNodeIdPattern = 11653
NamingRuleType = 120
NamingRuleType_EnumValues = 12169
NetworkAddressDataType = 15502
NetworkAddressDataType_Encoding_DefaultBinary = 21151
NetworkAddressDataType_Encoding_DefaultJson = 21199
NetworkAddressDataType_Encoding_DefaultXml = 21175
NetworkAddressType = 21145
NetworkAddressType_NetworkInterface = 21146
NetworkAddressUrlDataType = 15510
NetworkAddressUrlDataType_Encoding_DefaultBinary = 21152
NetworkAddressUrlDataType_Encoding_DefaultJson = 21200
NetworkAddressUrlDataType_Encoding_DefaultXml = 21176
NetworkAddressUrlType = 21147
NetworkAddressUrlType_NetworkInterface = 21148
NetworkAddressUrlType_Url = 21149
NetworkGroupDataType = 11944
NetworkGroupDataType_Encoding_DefaultBinary = 11958
NetworkGroupDataType_Encoding_DefaultJson = 15364
```

```
NetworkGroupDataType_Encoding_DefaultXml = 11950
Node = 258
NodeAttributes = 349
NodeAttributesMask = 348
NodeAttributesMask_EnumValues = 11881
NodeAttributes_Encoding_DefaultBinary = 351
NodeAttributes_Encoding_DefaultJson = 15151
NodeAttributes_Encoding_DefaultXml = 350
NodeClass = 257
NodeClass_EnumValues = 11878
NodeId = 17
NodeReference = 580
NodeReference_Encoding_DefaultBinary = 582
NodeReference_Encoding_DefaultJson = 15203
NodeReference_Encoding_DefaultXml = 581
NodeTypeDescription = 573
NodeTypeDescription_Encoding_DefaultBinary = 575
NodeTypeDescription_Encoding_DefaultJson = 15201
NodeTypeDescription_Encoding_DefaultXml = 574
NodeVersion = 3068
Node_Encoding_DefaultBinary = 260
Node_Encoding_DefaultJson = 15068
Node_Encoding_DefaultXml = 259
NonExclusiveDeviationAlarmType = 10368
NonExclusiveDeviationAlarmType_AckedState = 10403
NonExclusiveDeviationAlarmType_AckedState_EffectiveDisplayName = 10407
NonExclusiveDeviationAlarmType_AckedState_EffectiveTransitionTime = 10409
NonExclusiveDeviationAlarmType_AckedState_FalseState = 10411
NonExclusiveDeviationAlarmType_AckedState_Id = 10404
NonExclusiveDeviationAlarmType_AckedState_Name = 10405
NonExclusiveDeviationAlarmType_AckedState_Number = 10406
NonExclusiveDeviationAlarmType_AckedState_TransitionTime = 10408
NonExclusiveDeviationAlarmType_AckedState_TrueState = 10410
NonExclusiveDeviationAlarmType_Acknowledge = 10421
NonExclusiveDeviationAlarmType_Acknowledge_InputArguments = 10422
NonExclusiveDeviationAlarmType_ActiveState = 10425
```

NonExclusiveDeviationAlarmType\_ActiveState\_EffectiveDisplayName = 10429  
NonExclusiveDeviationAlarmType\_ActiveState\_EffectiveTransitionTime = 10431  
NonExclusiveDeviationAlarmType\_ActiveState\_FalseState = 10433  
NonExclusiveDeviationAlarmType\_ActiveState\_Id = 10426  
NonExclusiveDeviationAlarmType\_ActiveState\_Name = 10427  
NonExclusiveDeviationAlarmType\_ActiveState\_Number = 10428  
NonExclusiveDeviationAlarmType\_ActiveState\_TransitionTime = 10430  
NonExclusiveDeviationAlarmType\_ActiveState\_TrueState = 10432  
NonExclusiveDeviationAlarmType\_AddComment = 10399  
NonExclusiveDeviationAlarmType\_AddComment\_InputArguments = 10400  
NonExclusiveDeviationAlarmType\_AlarmGroup\_Placeholder = 16766  
NonExclusiveDeviationAlarmType\_AudibleEnabled = 16756  
NonExclusiveDeviationAlarmType\_AudibleSound = 16757  
NonExclusiveDeviationAlarmType\_AudibleSound\_AgencyId = 17915  
NonExclusiveDeviationAlarmType\_AudibleSound\_ListId = 17914  
NonExclusiveDeviationAlarmType\_AudibleSound\_VersionId = 17916  
NonExclusiveDeviationAlarmType\_BaseHighHighLimit = 16772  
NonExclusiveDeviationAlarmType\_BaseHighLimit = 16773  
NonExclusiveDeviationAlarmType\_BaseLowLimit = 16774  
NonExclusiveDeviationAlarmType\_BaseLowLowLimit = 16775  
NonExclusiveDeviationAlarmType\_BaseSetpointNode = 16776  
NonExclusiveDeviationAlarmType\_BranchId = 10379  
NonExclusiveDeviationAlarmType\_ClientUserId = 10396  
NonExclusiveDeviationAlarmType\_Comment = 10394  
NonExclusiveDeviationAlarmType\_Comment\_SourceTimestamp = 10395  
NonExclusiveDeviationAlarmType\_ConditionClassId = 11149  
NonExclusiveDeviationAlarmType\_ConditionClassName = 11150  
NonExclusiveDeviationAlarmType\_ConditionName = 10378  
NonExclusiveDeviationAlarmType\_ConditionRefresh = 10401  
NonExclusiveDeviationAlarmType\_ConditionRefresh2 = 12996  
NonExclusiveDeviationAlarmType\_ConditionRefresh2\_InputArguments = 12997  
NonExclusiveDeviationAlarmType\_ConditionRefresh\_InputArguments = 10402  
NonExclusiveDeviationAlarmType\_ConditionSubClassId = 16736  
NonExclusiveDeviationAlarmType\_ConditionSubClassName = 16737  
NonExclusiveDeviationAlarmType\_Confirm = 10423  
NonExclusiveDeviationAlarmType\_Confirm\_InputArguments = 10424



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NonExclusiveDeviationAlarmType_ConfirmedState = 10412
NonExclusiveDeviationAlarmType_ConfirmedState_EffectiveDisplayName = 10416
NonExclusiveDeviationAlarmType_ConfirmedState_EffectiveTransitionTime = 10418
NonExclusiveDeviationAlarmType_ConfirmedState_FalseState = 10420
NonExclusiveDeviationAlarmType_ConfirmedState_Id = 10413
NonExclusiveDeviationAlarmType_ConfirmedState_Name = 10414
NonExclusiveDeviationAlarmType_ConfirmedState_Number = 10415
NonExclusiveDeviationAlarmType_ConfirmedState_TransitionTime = 10417
NonExclusiveDeviationAlarmType_ConfirmedState_TrueState = 10419
NonExclusiveDeviationAlarmType_Disable = 10398
NonExclusiveDeviationAlarmType_Enable = 10397
NonExclusiveDeviationAlarmType_EnabledState = 10381
NonExclusiveDeviationAlarmType_EnabledState_EffectiveDisplayName = 10385
NonExclusiveDeviationAlarmType_EnabledState_EffectiveTransitionTime = 10387
NonExclusiveDeviationAlarmType_EnabledState_FalseState = 10389
NonExclusiveDeviationAlarmType_EnabledState_Id = 10382
NonExclusiveDeviationAlarmType_EnabledState_Name = 10383
NonExclusiveDeviationAlarmType_EnabledState_Number = 10384
NonExclusiveDeviationAlarmType_EnabledState_TransitionTime = 10386
NonExclusiveDeviationAlarmType_EnabledState_TrueState = 10388
NonExclusiveDeviationAlarmType_EventId = 10369
NonExclusiveDeviationAlarmType_EventType = 10370
NonExclusiveDeviationAlarmType_FirstInGroup = 16765
NonExclusiveDeviationAlarmType_FirstInGroupFlag = 16764
NonExclusiveDeviationAlarmType_HighHighLimit = 10518
NonExclusiveDeviationAlarmType_HighHighState = 10482
NonExclusiveDeviationAlarmType_HighHighState_EffectiveDisplayName = 10486
NonExclusiveDeviationAlarmType_HighHighState_EffectiveTransitionTime = 10488
NonExclusiveDeviationAlarmType_HighHighState_FalseState = 10490
NonExclusiveDeviationAlarmType_HighHighState_Id = 10483
NonExclusiveDeviationAlarmType_HighHighState_Name = 10484
NonExclusiveDeviationAlarmType_HighHighState_Number = 10485
NonExclusiveDeviationAlarmType_HighHighState_TransitionTime = 10487
NonExclusiveDeviationAlarmType_HighHighState_TrueState = 10489
NonExclusiveDeviationAlarmType_HighLimit = 10519
NonExclusiveDeviationAlarmType_HighState = 10491
```

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NonExclusiveDeviationAlarmType_HighState_EffectiveDisplayName = 10495
NonExclusiveDeviationAlarmType_HighState_EffectiveTransitionTime = 10497
NonExclusiveDeviationAlarmType_HighState_FalseState = 10499
NonExclusiveDeviationAlarmType_HighState_Id = 10492
NonExclusiveDeviationAlarmType_HighState_Name = 10493
NonExclusiveDeviationAlarmType_HighState_Number = 10494
NonExclusiveDeviationAlarmType_HighState_TransitionTime = 10496
NonExclusiveDeviationAlarmType_HighState_TrueState = 10498
NonExclusiveDeviationAlarmType_InputNode = 11151
NonExclusiveDeviationAlarmType_LastSeverity = 10392
NonExclusiveDeviationAlarmType_LastSeverity_SourceTimestamp = 10393
NonExclusiveDeviationAlarmType_LatchedState = 18267
NonExclusiveDeviationAlarmType_LatchedState_EffectiveDisplayName = 18271
NonExclusiveDeviationAlarmType_LatchedState_EffectiveTransitionTime = 18273
NonExclusiveDeviationAlarmType_LatchedState_FalseState = 18275
NonExclusiveDeviationAlarmType_LatchedState_Id = 18268
NonExclusiveDeviationAlarmType_LatchedState_Name = 18269
NonExclusiveDeviationAlarmType_LatchedState_Number = 18270
NonExclusiveDeviationAlarmType_LatchedState_TransitionTime = 18272
NonExclusiveDeviationAlarmType_LatchedState_TrueState = 18274
NonExclusiveDeviationAlarmType_LocalTime = 10375
NonExclusiveDeviationAlarmType_LowLimit = 10520
NonExclusiveDeviationAlarmType_LowLowLimit = 10521
NonExclusiveDeviationAlarmType_LowLowState = 10509
NonExclusiveDeviationAlarmType_LowLowState_EffectiveDisplayName = 10513
NonExclusiveDeviationAlarmType_LowLowState_EffectiveTransitionTime = 10515
NonExclusiveDeviationAlarmType_LowLowState_FalseState = 10517
NonExclusiveDeviationAlarmType_LowLowState_Id = 10510
NonExclusiveDeviationAlarmType_LowLowState_Name = 10511
NonExclusiveDeviationAlarmType_LowLowState_Number = 10512
NonExclusiveDeviationAlarmType_LowLowState_TransitionTime = 10514
NonExclusiveDeviationAlarmType_LowLowState_TrueState = 10516
NonExclusiveDeviationAlarmType_LowState = 10500
NonExclusiveDeviationAlarmType_LowState_EffectiveDisplayName = 10504
NonExclusiveDeviationAlarmType_LowState_EffectiveTransitionTime = 10506
NonExclusiveDeviationAlarmType_LowState_FalseState = 10508
```

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NonExclusiveDeviationAlarmType_LowState_Id = 10501
NonExclusiveDeviationAlarmType_LowState_Name = 10502
NonExclusiveDeviationAlarmType_LowState_Number = 10503
NonExclusiveDeviationAlarmType_LowState_TransitionTime = 10505
NonExclusiveDeviationAlarmType_LowState_TrueState = 10507
NonExclusiveDeviationAlarmType_MaxTimeShelved = 10481
NonExclusiveDeviationAlarmType_Message = 10376
NonExclusiveDeviationAlarmType_OffDelay = 16763
NonExclusiveDeviationAlarmType_OnDelay = 16762
NonExclusiveDeviationAlarmType_OutOfServiceState = 16738
NonExclusiveDeviationAlarmType_OutOfServiceState_EffectiveDisplayName = 16742
NonExclusiveDeviationAlarmType_OutOfServiceState_EffectiveTransitionTime = 16744
NonExclusiveDeviationAlarmType_OutOfServiceState_FalseState = 16746
NonExclusiveDeviationAlarmType_OutOfServiceState_Id = 16739
NonExclusiveDeviationAlarmType_OutOfServiceState_Name = 16740
NonExclusiveDeviationAlarmType_OutOfServiceState_Number = 16741
NonExclusiveDeviationAlarmType_OutOfServiceState_TransitionTime = 16743
NonExclusiveDeviationAlarmType_OutOfServiceState_TrueState = 16745
NonExclusiveDeviationAlarmType_PlaceInService = 17919
NonExclusiveDeviationAlarmType_Quality = 10390
NonExclusiveDeviationAlarmType_Quality_SourceTimestamp = 10391
NonExclusiveDeviationAlarmType_ReAlarmRepeatCount = 16768
NonExclusiveDeviationAlarmType_ReAlarmTime = 16767
NonExclusiveDeviationAlarmType_ReceiveTime = 10374
NonExclusiveDeviationAlarmType_RemoveFromService = 17918
NonExclusiveDeviationAlarmType_Reset = 18276
NonExclusiveDeviationAlarmType_Retain = 10380
NonExclusiveDeviationAlarmType_SetpointNode = 10522
NonExclusiveDeviationAlarmType_Severity = 10377
NonExclusiveDeviationAlarmType_ShelvingState = 10443
NonExclusiveDeviationAlarmType_ShelvingState_AvailableStates = 17680
NonExclusiveDeviationAlarmType_ShelvingState_AvailableTransitions = 17681
NonExclusiveDeviationAlarmType_ShelvingState_CurrentState = 10444
NonExclusiveDeviationAlarmType_ShelvingState_CurrentState_EffectiveDisplayName = 10448
NonExclusiveDeviationAlarmType_ShelvingState_CurrentState_Id = 10445
NonExclusiveDeviationAlarmType_ShelvingState_CurrentState_Name = 10446
```

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NonExclusiveDeviationAlarmType_ShelvingState_CurrentState_Number = 10447
NonExclusiveDeviationAlarmType_ShelvingState_LastTransition = 10449
NonExclusiveDeviationAlarmType_ShelvingState_LastTransition_EffectiveTransitionTime =
NonExclusiveDeviationAlarmType_ShelvingState_LastTransition_Id = 10450
NonExclusiveDeviationAlarmType_ShelvingState_LastTransition_Name = 10451
NonExclusiveDeviationAlarmType_ShelvingState_LastTransition_Number = 10452
NonExclusiveDeviationAlarmType_ShelvingState_LastTransition_TransitionTime = 10453
NonExclusiveDeviationAlarmType_ShelvingState_OneShotShelve = 10477
NonExclusiveDeviationAlarmType_ShelvingState_TimedShelve = 10478
NonExclusiveDeviationAlarmType_ShelvingState_TimedShelve_InputArguments = 10479
NonExclusiveDeviationAlarmType_ShelvingState_Unshelve = 10476
NonExclusiveDeviationAlarmType_ShelvingState_UnshelveTime = 10454
NonExclusiveDeviationAlarmType_Silence = 16769
NonExclusiveDeviationAlarmType_SilenceState = 16747
NonExclusiveDeviationAlarmType_SilenceState_EffectiveDisplayName = 16751
NonExclusiveDeviationAlarmType_SilenceState_EffectiveTransitionTime = 16753
NonExclusiveDeviationAlarmType_SilenceState_FalseState = 16755
NonExclusiveDeviationAlarmType_SilenceState_Id = 16748
NonExclusiveDeviationAlarmType_SilenceState_Name = 16749
NonExclusiveDeviationAlarmType_SilenceState_Number = 16750
NonExclusiveDeviationAlarmType_SilenceState_TransitionTime = 16752
NonExclusiveDeviationAlarmType_SilenceState_TrueState = 16754
NonExclusiveDeviationAlarmType_SourceName = 10372
NonExclusiveDeviationAlarmType_SourceNode = 10371
NonExclusiveDeviationAlarmType_Suppress = 16770
NonExclusiveDeviationAlarmType_SuppressedOrShelved = 10480
NonExclusiveDeviationAlarmType_SuppressedState = 10434
NonExclusiveDeviationAlarmType_SuppressedState_EffectiveDisplayName = 10438
NonExclusiveDeviationAlarmType_SuppressedState_EffectiveTransitionTime = 10440
NonExclusiveDeviationAlarmType_SuppressedState_FalseState = 10442
NonExclusiveDeviationAlarmType_SuppressedState_Id = 10435
NonExclusiveDeviationAlarmType_SuppressedState_Name = 10436
NonExclusiveDeviationAlarmType_SuppressedState_Number = 10437
NonExclusiveDeviationAlarmType_SuppressedState_TransitionTime = 10439
NonExclusiveDeviationAlarmType_SuppressedState_TrueState = 10441
NonExclusiveDeviationAlarmType_Time = 10373
```

```
NonExclusiveDeviationAlarmType_Unsuppress = 17917
NonExclusiveLevelAlarmType = 10060
NonExclusiveLevelAlarmType_AckedState = 10095
NonExclusiveLevelAlarmType_AckedState_EffectiveDisplayName = 10099
NonExclusiveLevelAlarmType_AckedState_EffectiveTransitionTime = 10101
NonExclusiveLevelAlarmType_AckedState_FalseState = 10103
NonExclusiveLevelAlarmType_AckedState_Id = 10096
NonExclusiveLevelAlarmType_AckedState_Name = 10097
NonExclusiveLevelAlarmType_AckedState_Number = 10098
NonExclusiveLevelAlarmType_AckedState_TransitionTime = 10100
NonExclusiveLevelAlarmType_AckedState_TrueState = 10102
NonExclusiveLevelAlarmType_Acknowledge = 10113
NonExclusiveLevelAlarmType_Acknowledge_InputArguments = 10114
NonExclusiveLevelAlarmType_ActiveState = 10117
NonExclusiveLevelAlarmType_ActiveState_EffectiveDisplayName = 10121
NonExclusiveLevelAlarmType_ActiveState_EffectiveTransitionTime = 10123
NonExclusiveLevelAlarmType_ActiveState_FalseState = 10125
NonExclusiveLevelAlarmType_ActiveState_Id = 10118
NonExclusiveLevelAlarmType_ActiveState_Name = 10119
NonExclusiveLevelAlarmType_ActiveState_Number = 10120
NonExclusiveLevelAlarmType_ActiveState_TransitionTime = 10122
NonExclusiveLevelAlarmType_ActiveState_TrueState = 10124
NonExclusiveLevelAlarmType_AddComment = 10091
NonExclusiveLevelAlarmType_AddComment_InputArguments = 10092
NonExclusiveLevelAlarmType_AlarmGroup_Placeholder = 16686
NonExclusiveLevelAlarmType_AudibleEnabled = 16676
NonExclusiveLevelAlarmType_AudibleSound = 16677
NonExclusiveLevelAlarmType_AudibleSound_AgencyId = 18244
NonExclusiveLevelAlarmType_AudibleSound_ListId = 18243
NonExclusiveLevelAlarmType_AudibleSound_VersionId = 18245
NonExclusiveLevelAlarmType_BaseHighHighLimit = 16692
NonExclusiveLevelAlarmType_BaseHighLimit = 16693
NonExclusiveLevelAlarmType_BaseLowLimit = 16694
NonExclusiveLevelAlarmType_BaseLowLowLimit = 16695
NonExclusiveLevelAlarmType_BranchId = 10071
NonExclusiveLevelAlarmType_ClientUserId = 10088
```

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NonExclusiveLevelAlarmType_Comment = 10086
NonExclusiveLevelAlarmType_Comment_SourceTimestamp = 10087
NonExclusiveLevelAlarmType_ConditionClassId = 11143
NonExclusiveLevelAlarmType_ConditionClassName = 11144
NonExclusiveLevelAlarmType_ConditionName = 10070
NonExclusiveLevelAlarmType_ConditionRefresh = 10093
NonExclusiveLevelAlarmType_ConditionRefresh2 = 12992
NonExclusiveLevelAlarmType_ConditionRefresh2_InputArguments = 12993
NonExclusiveLevelAlarmType_ConditionRefresh_InputArguments = 10094
NonExclusiveLevelAlarmType_ConditionSubClassId = 16656
NonExclusiveLevelAlarmType_ConditionSubClassName = 16657
NonExclusiveLevelAlarmType_Confirm = 10115
NonExclusiveLevelAlarmType_Confirm_InputArguments = 10116
NonExclusiveLevelAlarmType_ConfirmedState = 10104
NonExclusiveLevelAlarmType_ConfirmedState_EffectiveDisplayName = 10108
NonExclusiveLevelAlarmType_ConfirmedState_EffectiveTransitionTime = 10110
NonExclusiveLevelAlarmType_ConfirmedState_FalseState = 10112
NonExclusiveLevelAlarmType_ConfirmedState_Id = 10105
NonExclusiveLevelAlarmType_ConfirmedState_Name = 10106
NonExclusiveLevelAlarmType_ConfirmedState_Number = 10107
NonExclusiveLevelAlarmType_ConfirmedState_TransitionTime = 10109
NonExclusiveLevelAlarmType_ConfirmedState_TrueState = 10111
NonExclusiveLevelAlarmType_Disable = 10090
NonExclusiveLevelAlarmType_Enable = 10089
NonExclusiveLevelAlarmType_EnabledState = 10073
NonExclusiveLevelAlarmType_EnabledState_EffectiveDisplayName = 10077
NonExclusiveLevelAlarmType_EnabledState_EffectiveTransitionTime = 10079
NonExclusiveLevelAlarmType_EnabledState_FalseState = 10081
NonExclusiveLevelAlarmType_EnabledState_Id = 10074
NonExclusiveLevelAlarmType_EnabledState_Name = 10075
NonExclusiveLevelAlarmType_EnabledState_Number = 10076
NonExclusiveLevelAlarmType_EnabledState_TransitionTime = 10078
NonExclusiveLevelAlarmType_EnabledState_TrueState = 10080
NonExclusiveLevelAlarmType_EventId = 10061
NonExclusiveLevelAlarmType_EventType = 10062
NonExclusiveLevelAlarmType_FirstInGroup = 16685
```

```
NonExclusiveLevelAlarmType_FirstInGroupFlag = 16684
NonExclusiveLevelAlarmType_HighHighLimit = 10210
NonExclusiveLevelAlarmType_HighHighState = 10174
NonExclusiveLevelAlarmType_HighHighState_EffectiveDisplayName = 10178
NonExclusiveLevelAlarmType_HighHighState_EffectiveTransitionTime = 10180
NonExclusiveLevelAlarmType_HighHighState_FalseState = 10182
NonExclusiveLevelAlarmType_HighHighState_Id = 10175
NonExclusiveLevelAlarmType_HighHighState_Name = 10176
NonExclusiveLevelAlarmType_HighHighState_Number = 10177
NonExclusiveLevelAlarmType_HighHighState_TransitionTime = 10179
NonExclusiveLevelAlarmType_HighHighState_TrueState = 10181
NonExclusiveLevelAlarmType_HighLimit = 10211
NonExclusiveLevelAlarmType_HighState = 10183
NonExclusiveLevelAlarmType_HighState_EffectiveDisplayName = 10187
NonExclusiveLevelAlarmType_HighState_EffectiveTransitionTime = 10189
NonExclusiveLevelAlarmType_HighState_FalseState = 10191
NonExclusiveLevelAlarmType_HighState_Id = 10184
NonExclusiveLevelAlarmType_HighState_Name = 10185
NonExclusiveLevelAlarmType_HighState_Number = 10186
NonExclusiveLevelAlarmType_HighState_TransitionTime = 10188
NonExclusiveLevelAlarmType_HighState_TrueState = 10190
NonExclusiveLevelAlarmType_InputNode = 11145
NonExclusiveLevelAlarmType_LastSeverity = 10084
NonExclusiveLevelAlarmType_LastSeverity_SourceTimestamp = 10085
NonExclusiveLevelAlarmType_LatchedState = 18246
NonExclusiveLevelAlarmType_LatchedState_EffectiveDisplayName = 18250
NonExclusiveLevelAlarmType_LatchedState_EffectiveTransitionTime = 18252
NonExclusiveLevelAlarmType_LatchedState_FalseState = 18254
NonExclusiveLevelAlarmType_LatchedState_Id = 18247
NonExclusiveLevelAlarmType_LatchedState_Name = 18248
NonExclusiveLevelAlarmType_LatchedState_Number = 18249
NonExclusiveLevelAlarmType_LatchedState_TransitionTime = 18251
NonExclusiveLevelAlarmType_LatchedState_TrueState = 18253
NonExclusiveLevelAlarmType_LocalTime = 10067
NonExclusiveLevelAlarmType_LowLimit = 10212
NonExclusiveLevelAlarmType_LowLowLimit = 10213
```

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NonExclusiveLevelAlarmType_LowLowState = 10201
NonExclusiveLevelAlarmType_LowLowState_EffectiveDisplayName = 10205
NonExclusiveLevelAlarmType_LowLowState_EffectiveTransitionTime = 10207
NonExclusiveLevelAlarmType_LowLowState_FalseState = 10209
NonExclusiveLevelAlarmType_LowLowState_Id = 10202
NonExclusiveLevelAlarmType_LowLowState_Name = 10203
NonExclusiveLevelAlarmType_LowLowState_Number = 10204
NonExclusiveLevelAlarmType_LowLowState_TransitionTime = 10206
NonExclusiveLevelAlarmType_LowLowState_TrueState = 10208
NonExclusiveLevelAlarmType_LowState = 10192
NonExclusiveLevelAlarmType_LowState_EffectiveDisplayName = 10196
NonExclusiveLevelAlarmType_LowState_EffectiveTransitionTime = 10198
NonExclusiveLevelAlarmType_LowState_FalseState = 10200
NonExclusiveLevelAlarmType_LowState_Id = 10193
NonExclusiveLevelAlarmType_LowState_Name = 10194
NonExclusiveLevelAlarmType_LowState_Number = 10195
NonExclusiveLevelAlarmType_LowState_TransitionTime = 10197
NonExclusiveLevelAlarmType_LowState_TrueState = 10199
NonExclusiveLevelAlarmType_MaxTimeShelved = 10173
NonExclusiveLevelAlarmType_Message = 10068
NonExclusiveLevelAlarmType_OffDelay = 16683
NonExclusiveLevelAlarmType_OnDelay = 16682
NonExclusiveLevelAlarmType_OutOfServiceState = 16658
NonExclusiveLevelAlarmType_OutOfServiceState_EffectiveDisplayName = 16662
NonExclusiveLevelAlarmType_OutOfServiceState_EffectiveTransitionTime = 16664
NonExclusiveLevelAlarmType_OutOfServiceState_FalseState = 16666
NonExclusiveLevelAlarmType_OutOfServiceState_Id = 16659
NonExclusiveLevelAlarmType_OutOfServiceState_Name = 16660
NonExclusiveLevelAlarmType_OutOfServiceState_Number = 16661
NonExclusiveLevelAlarmType_OutOfServiceState_TransitionTime = 16663
NonExclusiveLevelAlarmType_OutOfServiceState_TrueState = 16665
NonExclusiveLevelAlarmType_PlaceInService = 17905
NonExclusiveLevelAlarmType_Quality = 10082
NonExclusiveLevelAlarmType_Quality_SourceTimestamp = 10083
NonExclusiveLevelAlarmType_ReAlarmRepeatCount = 16688
NonExclusiveLevelAlarmType_ReAlarmTime = 16687
```



```
NonExclusiveLevelAlarmType_ReceiveTime = 10066
NonExclusiveLevelAlarmType_RemoveFromService = 17904
NonExclusiveLevelAlarmType_Reset = 18256
NonExclusiveLevelAlarmType_Retain = 10072
NonExclusiveLevelAlarmType_Severity = 10069
NonExclusiveLevelAlarmType_ShelvingState = 10135
NonExclusiveLevelAlarmType_ShelvingState_AvailableStates = 17674
NonExclusiveLevelAlarmType_ShelvingState_AvailableTransitions = 17675
NonExclusiveLevelAlarmType_ShelvingState_CurrentState = 10136
NonExclusiveLevelAlarmType_ShelvingState_CurrentState_EffectiveDisplayName = 10140
NonExclusiveLevelAlarmType_ShelvingState_CurrentState_Id = 10137
NonExclusiveLevelAlarmType_ShelvingState_CurrentState_Name = 10138
NonExclusiveLevelAlarmType_ShelvingState_CurrentState_Number = 10139
NonExclusiveLevelAlarmType_ShelvingState_LastTransition = 10141
NonExclusiveLevelAlarmType_ShelvingState_LastTransition_EffectiveTransitionTime = 1147
NonExclusiveLevelAlarmType_ShelvingState_LastTransition_Id = 10142
NonExclusiveLevelAlarmType_ShelvingState_LastTransition_Name = 10143
NonExclusiveLevelAlarmType_ShelvingState_LastTransition_Number = 10144
NonExclusiveLevelAlarmType_ShelvingState_LastTransition_TransitionTime = 10145
NonExclusiveLevelAlarmType_ShelvingState_OneShotShelve = 10169
NonExclusiveLevelAlarmType_ShelvingState_TimedShelve = 10170
NonExclusiveLevelAlarmType_ShelvingState_TimedShelve_InputArguments = 10171
NonExclusiveLevelAlarmType_ShelvingState_Unshelve = 10168
NonExclusiveLevelAlarmType_ShelvingState_UnshelveTime = 10146
NonExclusiveLevelAlarmType_Silence = 16689
NonExclusiveLevelAlarmType_SilenceState = 16667
NonExclusiveLevelAlarmType_SilenceState_EffectiveDisplayName = 16671
NonExclusiveLevelAlarmType_SilenceState_EffectiveTransitionTime = 16673
NonExclusiveLevelAlarmType_SilenceState_FalseState = 16675
NonExclusiveLevelAlarmType_SilenceState_Id = 16668
NonExclusiveLevelAlarmType_SilenceState_Name = 16669
NonExclusiveLevelAlarmType_SilenceState_Number = 16670
NonExclusiveLevelAlarmType_SilenceState_TransitionTime = 16672
NonExclusiveLevelAlarmType_SilenceState_TrueState = 16674
NonExclusiveLevelAlarmType_SourceName = 10064
NonExclusiveLevelAlarmType_SourceNode = 10063
```

```
NonExclusiveLevelAlarmType_Suppress = 16690
NonExclusiveLevelAlarmType_SuppressedOrShelved = 10172
NonExclusiveLevelAlarmType_SuppressedState = 10126
NonExclusiveLevelAlarmType_SuppressedState_EffectiveDisplayName = 10130
NonExclusiveLevelAlarmType_SuppressedState_EffectiveTransitionTime = 10132
NonExclusiveLevelAlarmType_SuppressedState_FalseState = 10134
NonExclusiveLevelAlarmType_SuppressedState_Id = 10127
NonExclusiveLevelAlarmType_SuppressedState_Name = 10128
NonExclusiveLevelAlarmType_SuppressedState_Number = 10129
NonExclusiveLevelAlarmType_SuppressedState_TransitionTime = 10131
NonExclusiveLevelAlarmType_SuppressedState_TrueState = 10133
NonExclusiveLevelAlarmType_Time = 10065
NonExclusiveLevelAlarmType_Unsuppress = 18255
NonExclusiveLimitAlarmType = 9906
NonExclusiveLimitAlarmType_AckedState = 9941
NonExclusiveLimitAlarmType_AckedState_EffectiveDisplayName = 9945
NonExclusiveLimitAlarmType_AckedState_EffectiveTransitionTime = 9947
NonExclusiveLimitAlarmType_AckedState_FalseState = 9949
NonExclusiveLimitAlarmType_AckedState_Id = 9942
NonExclusiveLimitAlarmType_AckedState_Name = 9943
NonExclusiveLimitAlarmType_AckedState_Number = 9944
NonExclusiveLimitAlarmType_AckedState_TransitionTime = 9946
NonExclusiveLimitAlarmType_AckedState_TrueState = 9948
NonExclusiveLimitAlarmType_Acknowledge = 9959
NonExclusiveLimitAlarmType_Acknowledge_InputArguments = 9960
NonExclusiveLimitAlarmType_ActiveState = 9963
NonExclusiveLimitAlarmType_ActiveState_EffectiveDisplayName = 9967
NonExclusiveLimitAlarmType_ActiveState_EffectiveTransitionTime = 9969
NonExclusiveLimitAlarmType_ActiveState_FalseState = 9971
NonExclusiveLimitAlarmType_ActiveState_Id = 9964
NonExclusiveLimitAlarmType_ActiveState_Name = 9965
NonExclusiveLimitAlarmType_ActiveState_Number = 9966
NonExclusiveLimitAlarmType_ActiveState_TransitionTime = 9968
NonExclusiveLimitAlarmType_ActiveState_TrueState = 9970
NonExclusiveLimitAlarmType_AddComment = 9937
NonExclusiveLimitAlarmType_AddComment_InputArguments = 9938
```

```
NonExclusiveLimitAlarmType_AlarmGroup_Placeholder = 16646
NonExclusiveLimitAlarmType_AudibleEnabled = 16636
NonExclusiveLimitAlarmType_AudibleSound = 16637
NonExclusiveLimitAlarmType_AudibleSound_AgencyId = 17894
NonExclusiveLimitAlarmType_AudibleSound_ListId = 17893
NonExclusiveLimitAlarmType_AudibleSound_VersionId = 17895
NonExclusiveLimitAlarmType_BaseHighHighLimit = 16652
NonExclusiveLimitAlarmType_BaseHighLimit = 16653
NonExclusiveLimitAlarmType_BaseLowLimit = 16654
NonExclusiveLimitAlarmType_BaseLowLowLimit = 16655
NonExclusiveLimitAlarmType_BranchId = 9917
NonExclusiveLimitAlarmType_ClientUserId = 9934
NonExclusiveLimitAlarmType_Comment = 9932
NonExclusiveLimitAlarmType_Comment_SourceTimestamp = 9933
NonExclusiveLimitAlarmType_ConditionClassId = 11140
NonExclusiveLimitAlarmType_ConditionClassName = 11141
NonExclusiveLimitAlarmType_ConditionName = 9916
NonExclusiveLimitAlarmType_ConditionRefresh = 9939
NonExclusiveLimitAlarmType_ConditionRefresh2 = 12990
NonExclusiveLimitAlarmType_ConditionRefresh2_InputArguments = 12991
NonExclusiveLimitAlarmType_ConditionRefresh_InputArguments = 9940
NonExclusiveLimitAlarmType_ConditionSubClassId = 16616
NonExclusiveLimitAlarmType_ConditionSubClassName = 16617
NonExclusiveLimitAlarmType_Confirm = 9961
NonExclusiveLimitAlarmType_Confirm_InputArguments = 9962
NonExclusiveLimitAlarmType_ConfirmedState = 9950
NonExclusiveLimitAlarmType_ConfirmedState_EffectiveDisplayName = 9954
NonExclusiveLimitAlarmType_ConfirmedState_EffectiveTransitionTime = 9956
NonExclusiveLimitAlarmType_ConfirmedState_FalseState = 9958
NonExclusiveLimitAlarmType_ConfirmedState_Id = 9951
NonExclusiveLimitAlarmType_ConfirmedState_Name = 9952
NonExclusiveLimitAlarmType_ConfirmedState_Number = 9953
NonExclusiveLimitAlarmType_ConfirmedState_TransitionTime = 9955
NonExclusiveLimitAlarmType_ConfirmedState_TrueState = 9957
NonExclusiveLimitAlarmType_Disable = 9936
NonExclusiveLimitAlarmType_Enable = 9935
```

```
NonExclusiveLimitAlarmType_EnabledState = 9919
NonExclusiveLimitAlarmType_EnabledState_EffectiveDisplayName = 9923
NonExclusiveLimitAlarmType_EnabledState_EffectiveTransitionTime = 9925
NonExclusiveLimitAlarmType_EnabledState_FalseState = 9927
NonExclusiveLimitAlarmType_EnabledState_Id = 9920
NonExclusiveLimitAlarmType_EnabledState_Name = 9921
NonExclusiveLimitAlarmType_EnabledState_Number = 9922
NonExclusiveLimitAlarmType_EnabledState_TransitionTime = 9924
NonExclusiveLimitAlarmType_EnabledState_TrueState = 9926
NonExclusiveLimitAlarmType_EventId = 9907
NonExclusiveLimitAlarmType_EventType = 9908
NonExclusiveLimitAlarmType_FirstInGroup = 16645
NonExclusiveLimitAlarmType_FirstInGroupFlag = 16644
NonExclusiveLimitAlarmType_HighHighLimit = 10056
NonExclusiveLimitAlarmType_HighHighState = 10020
NonExclusiveLimitAlarmType_HighHighState_EffectiveDisplayName = 10024
NonExclusiveLimitAlarmType_HighHighState_EffectiveTransitionTime = 10026
NonExclusiveLimitAlarmType_HighHighState_FalseState = 10028
NonExclusiveLimitAlarmType_HighHighState_Id = 10021
NonExclusiveLimitAlarmType_HighHighState_Name = 10022
NonExclusiveLimitAlarmType_HighHighState_Number = 10023
NonExclusiveLimitAlarmType_HighHighState_TransitionTime = 10025
NonExclusiveLimitAlarmType_HighHighState_TrueState = 10027
NonExclusiveLimitAlarmType_HighLimit = 10057
NonExclusiveLimitAlarmType_HighState = 10029
NonExclusiveLimitAlarmType_HighState_EffectiveDisplayName = 10033
NonExclusiveLimitAlarmType_HighState_EffectiveTransitionTime = 10035
NonExclusiveLimitAlarmType_HighState_FalseState = 10037
NonExclusiveLimitAlarmType_HighState_Id = 10030
NonExclusiveLimitAlarmType_HighState_Name = 10031
NonExclusiveLimitAlarmType_HighState_Number = 10032
NonExclusiveLimitAlarmType_HighState_TransitionTime = 10034
NonExclusiveLimitAlarmType_HighState_TrueState = 10036
NonExclusiveLimitAlarmType_InputNode = 11142
NonExclusiveLimitAlarmType_LastSeverity = 9930
NonExclusiveLimitAlarmType_LastSeverity_SourceTimestamp = 9931
```

```
NonExclusiveLimitAlarmType_LatchedState = 18233
NonExclusiveLimitAlarmType_LatchedState_EffectiveDisplayName = 18237
NonExclusiveLimitAlarmType_LatchedState_EffectiveTransitionTime = 18239
NonExclusiveLimitAlarmType_LatchedState_FalseState = 18241
NonExclusiveLimitAlarmType_LatchedState_Id = 18234
NonExclusiveLimitAlarmType_LatchedState_Name = 18235
NonExclusiveLimitAlarmType_LatchedState_Number = 18236
NonExclusiveLimitAlarmType_LatchedState_TransitionTime = 18238
NonExclusiveLimitAlarmType_LatchedState_TrueState = 18240
NonExclusiveLimitAlarmType_LocalTime = 9913
NonExclusiveLimitAlarmType_LowLimit = 10058
NonExclusiveLimitAlarmType_LowLowLimit = 10059
NonExclusiveLimitAlarmType_LowLowState = 10047
NonExclusiveLimitAlarmType_LowLowState_EffectiveDisplayName = 10051
NonExclusiveLimitAlarmType_LowLowState_EffectiveTransitionTime = 10053
NonExclusiveLimitAlarmType_LowLowState_FalseState = 10055
NonExclusiveLimitAlarmType_LowLowState_Id = 10048
NonExclusiveLimitAlarmType_LowLowState_Name = 10049
NonExclusiveLimitAlarmType_LowLowState_Number = 10050
NonExclusiveLimitAlarmType_LowLowState_TransitionTime = 10052
NonExclusiveLimitAlarmType_LowLowState_TrueState = 10054
NonExclusiveLimitAlarmType_LowState = 10038
NonExclusiveLimitAlarmType_LowState_EffectiveDisplayName = 10042
NonExclusiveLimitAlarmType_LowState_EffectiveTransitionTime = 10044
NonExclusiveLimitAlarmType_LowState_FalseState = 10046
NonExclusiveLimitAlarmType_LowState_Id = 10039
NonExclusiveLimitAlarmType_LowState_Name = 10040
NonExclusiveLimitAlarmType_LowState_Number = 10041
NonExclusiveLimitAlarmType_LowState_TransitionTime = 10043
NonExclusiveLimitAlarmType_LowState_TrueState = 10045
NonExclusiveLimitAlarmType_MaxTimeShelved = 10019
NonExclusiveLimitAlarmType_Message = 9914
NonExclusiveLimitAlarmType_OffDelay = 16643
NonExclusiveLimitAlarmType_OnDelay = 16642
NonExclusiveLimitAlarmType_OutOfServiceState = 16618
NonExclusiveLimitAlarmType_OutOfServiceState_EffectiveDisplayName = 16622
```

```
NonExclusiveLimitAlarmType_OutOfServiceState_EffectiveTransitionTime = 16624
NonExclusiveLimitAlarmType_OutOfServiceState_FalseState = 16626
NonExclusiveLimitAlarmType_OutOfServiceState_Id = 16619
NonExclusiveLimitAlarmType_OutOfServiceState_Name = 16620
NonExclusiveLimitAlarmType_OutOfServiceState_Number = 16621
NonExclusiveLimitAlarmType_OutOfServiceState_TransitionTime = 16623
NonExclusiveLimitAlarmType_OutOfServiceState_TrueState = 16625
NonExclusiveLimitAlarmType_PlaceInService = 17898
NonExclusiveLimitAlarmType_Quality = 9928
NonExclusiveLimitAlarmType_Quality_SourceTimestamp = 9929
NonExclusiveLimitAlarmType_ReAlarmRepeatCount = 16648
NonExclusiveLimitAlarmType_ReAlarmTime = 16647
NonExclusiveLimitAlarmType_ReceiveTime = 9912
NonExclusiveLimitAlarmType_RemoveFromService = 17897
NonExclusiveLimitAlarmType_Reset = 18242
NonExclusiveLimitAlarmType_Retain = 9918
NonExclusiveLimitAlarmType_Severity = 9915
NonExclusiveLimitAlarmType_ShelvingState = 9981
NonExclusiveLimitAlarmType_ShelvingState_AvailableStates = 17672
NonExclusiveLimitAlarmType_ShelvingState_AvailableTransitions = 17673
NonExclusiveLimitAlarmType_ShelvingState_CurrentState = 9982
NonExclusiveLimitAlarmType_ShelvingState_CurrentState_EffectiveDisplayName = 9986
NonExclusiveLimitAlarmType_ShelvingState_CurrentState_Id = 9983
NonExclusiveLimitAlarmType_ShelvingState_CurrentState_Name = 9984
NonExclusiveLimitAlarmType_ShelvingState_CurrentState_Number = 9985
NonExclusiveLimitAlarmType_ShelvingState_LastTransition = 9987
NonExclusiveLimitAlarmType_ShelvingState_LastTransition_EffectiveTransitionTime = 1147
NonExclusiveLimitAlarmType_ShelvingState_LastTransition_Id = 9988
NonExclusiveLimitAlarmType_ShelvingState_LastTransition_Name = 9989
NonExclusiveLimitAlarmType_ShelvingState_LastTransition_Number = 9990
NonExclusiveLimitAlarmType_ShelvingState_LastTransition_TransitionTime = 9991
NonExclusiveLimitAlarmType_ShelvingState_OneShotShelve = 10015
NonExclusiveLimitAlarmType_ShelvingState_TimedShelve = 10016
NonExclusiveLimitAlarmType_ShelvingState_TimedShelve_InputArguments = 10017
NonExclusiveLimitAlarmType_ShelvingState_Unshelve = 10014
NonExclusiveLimitAlarmType_ShelvingState_UnshelveTime = 9992
```

```
NonExclusiveLimitAlarmType_Silence = 16649
NonExclusiveLimitAlarmType_SilenceState = 16627
NonExclusiveLimitAlarmType_SilenceState_EffectiveDisplayName = 16631
NonExclusiveLimitAlarmType_SilenceState_EffectiveTransitionTime = 16633
NonExclusiveLimitAlarmType_SilenceState_FalseState = 16635
NonExclusiveLimitAlarmType_SilenceState_Id = 16628
NonExclusiveLimitAlarmType_SilenceState_Name = 16629
NonExclusiveLimitAlarmType_SilenceState_Number = 16630
NonExclusiveLimitAlarmType_SilenceState_TransitionTime = 16632
NonExclusiveLimitAlarmType_SilenceState_TrueState = 16634
NonExclusiveLimitAlarmType_SourceName = 9910
NonExclusiveLimitAlarmType_SourceNode = 9909
NonExclusiveLimitAlarmType_Suppress = 16650
NonExclusiveLimitAlarmType_SuppressedOrShelved = 10018
NonExclusiveLimitAlarmType_SuppressedState = 9972
NonExclusiveLimitAlarmType_SuppressedState_EffectiveDisplayName = 9976
NonExclusiveLimitAlarmType_SuppressedState_EffectiveTransitionTime = 9978
NonExclusiveLimitAlarmType_SuppressedState_FalseState = 9980
NonExclusiveLimitAlarmType_SuppressedState_Id = 9973
NonExclusiveLimitAlarmType_SuppressedState_Name = 9974
NonExclusiveLimitAlarmType_SuppressedState_Number = 9975
NonExclusiveLimitAlarmType_SuppressedState_TransitionTime = 9977
NonExclusiveLimitAlarmType_SuppressedState_TrueState = 9979
NonExclusiveLimitAlarmType_Time = 9911
NonExclusiveLimitAlarmType_Unsuppress = 17896
NonExclusiveRateOfChangeAlarmType = 10214
NonExclusiveRateOfChangeAlarmType_AckedState = 10249
NonExclusiveRateOfChangeAlarmType_AckedState_EffectiveDisplayName = 10253
NonExclusiveRateOfChangeAlarmType_AckedState_EffectiveTransitionTime = 10255
NonExclusiveRateOfChangeAlarmType_AckedState_FalseState = 10257
NonExclusiveRateOfChangeAlarmType_AckedState_Id = 10250
NonExclusiveRateOfChangeAlarmType_AckedState_Name = 10251
NonExclusiveRateOfChangeAlarmType_AckedState_Number = 10252
NonExclusiveRateOfChangeAlarmType_AckedState_TransitionTime = 10254
NonExclusiveRateOfChangeAlarmType_AckedState_TrueState = 10256
NonExclusiveRateOfChangeAlarmType_Acknowledge = 10267
```

```
NonExclusiveRateOfChangeAlarmType_Acknowledge_InputArguments = 10268
NonExclusiveRateOfChangeAlarmType_ActiveState = 10271
NonExclusiveRateOfChangeAlarmType_ActiveState_EffectiveDisplayName = 10275
NonExclusiveRateOfChangeAlarmType_ActiveState_EffectiveTransitionTime = 10277
NonExclusiveRateOfChangeAlarmType_ActiveState_FalseState = 10279
NonExclusiveRateOfChangeAlarmType_ActiveState_Id = 10272
NonExclusiveRateOfChangeAlarmType_ActiveState_Name = 10273
NonExclusiveRateOfChangeAlarmType_ActiveState_Number = 10274
NonExclusiveRateOfChangeAlarmType_ActiveState_TransitionTime = 10276
NonExclusiveRateOfChangeAlarmType_ActiveState_TrueState = 10278
NonExclusiveRateOfChangeAlarmType_AddComment = 10245
NonExclusiveRateOfChangeAlarmType_AddComment_InputArguments = 10246
NonExclusiveRateOfChangeAlarmType_AlarmGroup_Placeholder = 16848
NonExclusiveRateOfChangeAlarmType_AudibleEnabled = 16838
NonExclusiveRateOfChangeAlarmType_AudibleSound = 16839
NonExclusiveRateOfChangeAlarmType_AudibleSound_AgencyId = 17922
NonExclusiveRateOfChangeAlarmType_AudibleSound_ListId = 17921
NonExclusiveRateOfChangeAlarmType_AudibleSound_VersionId = 17923
NonExclusiveRateOfChangeAlarmType_BaseHighHighLimit = 16854
NonExclusiveRateOfChangeAlarmType_BaseHighLimit = 16855
NonExclusiveRateOfChangeAlarmType_BaseLowLimit = 16856
NonExclusiveRateOfChangeAlarmType_BaseLowLowLimit = 16857
NonExclusiveRateOfChangeAlarmType_BranchId = 10225
NonExclusiveRateOfChangeAlarmType_ClientUserId = 10242
NonExclusiveRateOfChangeAlarmType_Comment = 10240
NonExclusiveRateOfChangeAlarmType_Comment_SourceTimestamp = 10241
NonExclusiveRateOfChangeAlarmType_ConditionClassId = 11146
NonExclusiveRateOfChangeAlarmType_ConditionClassName = 11147
NonExclusiveRateOfChangeAlarmType_ConditionName = 10224
NonExclusiveRateOfChangeAlarmType_ConditionRefresh = 10247
NonExclusiveRateOfChangeAlarmType_ConditionRefresh2 = 13000
NonExclusiveRateOfChangeAlarmType_ConditionRefresh2_InputArguments = 13001
NonExclusiveRateOfChangeAlarmType_ConditionRefresh_InputArguments = 10248
NonExclusiveRateOfChangeAlarmType_ConditionSubClassId = 16818
NonExclusiveRateOfChangeAlarmType_ConditionSubClassName = 16819
NonExclusiveRateOfChangeAlarmType_Confirm = 10269
```



```
NonExclusiveRateOfChangeAlarmType_Confirm_InputArguments = 10270
NonExclusiveRateOfChangeAlarmType_ConfirmedState = 10258
NonExclusiveRateOfChangeAlarmType_ConfirmedState_EffectiveDisplayName = 10262
NonExclusiveRateOfChangeAlarmType_ConfirmedState_EffectiveTransitionTime = 10264
NonExclusiveRateOfChangeAlarmType_ConfirmedState_FalseState = 10266
NonExclusiveRateOfChangeAlarmType_ConfirmedState_Id = 10259
NonExclusiveRateOfChangeAlarmType_ConfirmedState_Name = 10260
NonExclusiveRateOfChangeAlarmType_ConfirmedState_Number = 10261
NonExclusiveRateOfChangeAlarmType_ConfirmedState_TransitionTime = 10263
NonExclusiveRateOfChangeAlarmType_ConfirmedState_TrueState = 10265
NonExclusiveRateOfChangeAlarmType_Disable = 10244
NonExclusiveRateOfChangeAlarmType_Enable = 10243
NonExclusiveRateOfChangeAlarmType_EnabledState = 10227
NonExclusiveRateOfChangeAlarmType_EnabledState_EffectiveDisplayName = 10231
NonExclusiveRateOfChangeAlarmType_EnabledState_EffectiveTransitionTime = 10233
NonExclusiveRateOfChangeAlarmType_EnabledState_FalseState = 10235
NonExclusiveRateOfChangeAlarmType_EnabledState_Id = 10228
NonExclusiveRateOfChangeAlarmType_EnabledState_Name = 10229
NonExclusiveRateOfChangeAlarmType_EnabledState_Number = 10230
NonExclusiveRateOfChangeAlarmType_EnabledState_TransitionTime = 10232
NonExclusiveRateOfChangeAlarmType_EnabledState_TrueState = 10234
NonExclusiveRateOfChangeAlarmType_EngineeringUnits = 16858
NonExclusiveRateOfChangeAlarmType_EventId = 10215
NonExclusiveRateOfChangeAlarmType_EventType = 10216
NonExclusiveRateOfChangeAlarmType_FirstInGroup = 16847
NonExclusiveRateOfChangeAlarmType_FirstInGroupFlag = 16846
NonExclusiveRateOfChangeAlarmType_HighHighLimit = 10364
NonExclusiveRateOfChangeAlarmType_HighHighState = 10328
NonExclusiveRateOfChangeAlarmType_HighHighState_EffectiveDisplayName = 10332
NonExclusiveRateOfChangeAlarmType_HighHighState_EffectiveTransitionTime = 10334
NonExclusiveRateOfChangeAlarmType_HighHighState_FalseState = 10336
NonExclusiveRateOfChangeAlarmType_HighHighState_Id = 10329
NonExclusiveRateOfChangeAlarmType_HighHighState_Name = 10330
NonExclusiveRateOfChangeAlarmType_HighHighState_Number = 10331
NonExclusiveRateOfChangeAlarmType_HighHighState_TransitionTime = 10333
NonExclusiveRateOfChangeAlarmType_HighHighState_TrueState = 10335
```

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NonExclusiveRateOfChangeAlarmType_HighLimit = 10365
NonExclusiveRateOfChangeAlarmType_HighState = 10337
NonExclusiveRateOfChangeAlarmType_HighState_EffectiveDisplayName = 10341
NonExclusiveRateOfChangeAlarmType_HighState_EffectiveTransitionTime = 10343
NonExclusiveRateOfChangeAlarmType_HighState_FalseState = 10345
NonExclusiveRateOfChangeAlarmType_HighState_Id = 10338
NonExclusiveRateOfChangeAlarmType_HighState_Name = 10339
NonExclusiveRateOfChangeAlarmType_HighState_Number = 10340
NonExclusiveRateOfChangeAlarmType_HighState_TransitionTime = 10342
NonExclusiveRateOfChangeAlarmType_HighState_TrueState = 10344
NonExclusiveRateOfChangeAlarmType_InputNode = 11148
NonExclusiveRateOfChangeAlarmType_LastSeverity = 10238
NonExclusiveRateOfChangeAlarmType_LastSeverity_SourceTimestamp = 10239
NonExclusiveRateOfChangeAlarmType_LatchedState = 18277
NonExclusiveRateOfChangeAlarmType_LatchedState_EffectiveDisplayName = 18281
NonExclusiveRateOfChangeAlarmType_LatchedState_EffectiveTransitionTime = 18283
NonExclusiveRateOfChangeAlarmType_LatchedState_FalseState = 18285
NonExclusiveRateOfChangeAlarmType_LatchedState_Id = 18278
NonExclusiveRateOfChangeAlarmType_LatchedState_Name = 18279
NonExclusiveRateOfChangeAlarmType_LatchedState_Number = 18280
NonExclusiveRateOfChangeAlarmType_LatchedState_TransitionTime = 18282
NonExclusiveRateOfChangeAlarmType_LatchedState_TrueState = 18284
NonExclusiveRateOfChangeAlarmType_LocalTime = 10221
NonExclusiveRateOfChangeAlarmType_LowLimit = 10366
NonExclusiveRateOfChangeAlarmType_LowLowLimit = 10367
NonExclusiveRateOfChangeAlarmType_LowLowState = 10355
NonExclusiveRateOfChangeAlarmType_LowLowState_EffectiveDisplayName = 10359
NonExclusiveRateOfChangeAlarmType_LowLowState_EffectiveTransitionTime = 10361
NonExclusiveRateOfChangeAlarmType_LowLowState_FalseState = 10363
NonExclusiveRateOfChangeAlarmType_LowLowState_Id = 10356
NonExclusiveRateOfChangeAlarmType_LowLowState_Name = 10357
NonExclusiveRateOfChangeAlarmType_LowLowState_Number = 10358
NonExclusiveRateOfChangeAlarmType_LowLowState_TransitionTime = 10360
NonExclusiveRateOfChangeAlarmType_LowLowState_TrueState = 10362
NonExclusiveRateOfChangeAlarmType_LowState = 10346
NonExclusiveRateOfChangeAlarmType_LowState_EffectiveDisplayName = 10350
```

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NonExclusiveRateOfChangeAlarmType_LowState_EffectiveTransitionTime = 10352
NonExclusiveRateOfChangeAlarmType_LowState_FalseState = 10354
NonExclusiveRateOfChangeAlarmType_LowState_Id = 10347
NonExclusiveRateOfChangeAlarmType_LowState_Name = 10348
NonExclusiveRateOfChangeAlarmType_LowState_Number = 10349
NonExclusiveRateOfChangeAlarmType_LowState_TransitionTime = 10351
NonExclusiveRateOfChangeAlarmType_LowState_TrueState = 10353
NonExclusiveRateOfChangeAlarmType_MaxTimeShelved = 10327
NonExclusiveRateOfChangeAlarmType_Message = 10222
NonExclusiveRateOfChangeAlarmType_OffDelay = 16845
NonExclusiveRateOfChangeAlarmType_OnDelay = 16844
NonExclusiveRateOfChangeAlarmType_OutOfServiceState = 16820
NonExclusiveRateOfChangeAlarmType_OutOfServiceState_EffectiveDisplayName = 16824
NonExclusiveRateOfChangeAlarmType_OutOfServiceState_EffectiveTransitionTime = 16826
NonExclusiveRateOfChangeAlarmType_OutOfServiceState_FalseState = 16828
NonExclusiveRateOfChangeAlarmType_OutOfServiceState_Id = 16821
NonExclusiveRateOfChangeAlarmType_OutOfServiceState_Name = 16822
NonExclusiveRateOfChangeAlarmType_OutOfServiceState_Number = 16823
NonExclusiveRateOfChangeAlarmType_OutOfServiceState_TransitionTime = 16825
NonExclusiveRateOfChangeAlarmType_OutOfServiceState_TrueState = 16827
NonExclusiveRateOfChangeAlarmType_PlaceInService = 17926
NonExclusiveRateOfChangeAlarmType_Quality = 10236
NonExclusiveRateOfChangeAlarmType_Quality_SourceTimestamp = 10237
NonExclusiveRateOfChangeAlarmType_ReAlarmRepeatCount = 16850
NonExclusiveRateOfChangeAlarmType_ReAlarmTime = 16849
NonExclusiveRateOfChangeAlarmType_ReceiveTime = 10220
NonExclusiveRateOfChangeAlarmType_RemoveFromService = 17925
NonExclusiveRateOfChangeAlarmType_Reset = 18286
NonExclusiveRateOfChangeAlarmType_Retain = 10226
NonExclusiveRateOfChangeAlarmType_Severity = 10223
NonExclusiveRateOfChangeAlarmType_ShelvingState = 10289
NonExclusiveRateOfChangeAlarmType_ShelvingState_AvailableStates = 17686
NonExclusiveRateOfChangeAlarmType_ShelvingState_AvailableTransitions = 17687
NonExclusiveRateOfChangeAlarmType_ShelvingState_CurrentState = 10290
NonExclusiveRateOfChangeAlarmType_ShelvingState_CurrentState_EffectiveDisplayName = 10291
NonExclusiveRateOfChangeAlarmType_ShelvingState_CurrentState_Id = 10291
```

```
NonExclusiveRateOfChangeAlarmType_ShelvingState_CurrentState_Name = 10292
NonExclusiveRateOfChangeAlarmType_ShelvingState_CurrentState_Number = 10293
NonExclusiveRateOfChangeAlarmType_ShelvingState_LastTransition = 10295
NonExclusiveRateOfChangeAlarmType_ShelvingState_LastTransition_EffectiveTransitionTime
NonExclusiveRateOfChangeAlarmType_ShelvingState_LastTransition_Id = 10296
NonExclusiveRateOfChangeAlarmType_ShelvingState_LastTransition_Name = 10297
NonExclusiveRateOfChangeAlarmType_ShelvingState_LastTransition_Number = 10298
NonExclusiveRateOfChangeAlarmType_ShelvingState_LastTransition_TransitionTime = 10299
NonExclusiveRateOfChangeAlarmType_ShelvingState_OneShotShelve = 10323
NonExclusiveRateOfChangeAlarmType_ShelvingState_TimedShelve = 10324
NonExclusiveRateOfChangeAlarmType_ShelvingState_TimedShelve_InputArguments = 10325
NonExclusiveRateOfChangeAlarmType_ShelvingState_Unshelve = 10322
NonExclusiveRateOfChangeAlarmType_ShelvingState_UnshelveTime = 10300
NonExclusiveRateOfChangeAlarmType_Silence = 16851
NonExclusiveRateOfChangeAlarmType_SilenceState = 16829
NonExclusiveRateOfChangeAlarmType_SilenceState_EffectiveDisplayName = 16833
NonExclusiveRateOfChangeAlarmType_SilenceState_EffectiveTransitionTime = 16835
NonExclusiveRateOfChangeAlarmType_SilenceState_FalseState = 16837
NonExclusiveRateOfChangeAlarmType_SilenceState_Id = 16830
NonExclusiveRateOfChangeAlarmType_SilenceState_Name = 16831
NonExclusiveRateOfChangeAlarmType_SilenceState_Number = 16832
NonExclusiveRateOfChangeAlarmType_SilenceState_TransitionTime = 16834
NonExclusiveRateOfChangeAlarmType_SilenceState_TrueState = 16836
NonExclusiveRateOfChangeAlarmType_SourceName = 10218
NonExclusiveRateOfChangeAlarmType_SourceNode = 10217
NonExclusiveRateOfChangeAlarmType_Suppress = 16852
NonExclusiveRateOfChangeAlarmType_SuppressedOrShelved = 10326
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ProgramTransitionAuditEventType_Transition_Number = 3828
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ProgramTransitionEventType_EventId = 3782
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ProgramTransitionEventType_SourceNode = 3784
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ProgramTransitionEventType_ToState_EffectiveDisplayName = 3800
ProgramTransitionEventType_ToState_Id = 3797
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PubSubCommunicationFailureEventType_EventType = 15565
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PubSubConnectionType_ReaderGroupName_Placeholder_Diagnostics_TotalError_Classification = 19185
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PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_Counters_StateOperational
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_Counters_StateOperational
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_Counters_StateOperational
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_Counters_StateOperational
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_Counters_StateOperational
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_Counters_StateOperational
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_Counters_StateOperational
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_Counters_StatePausedByPar
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_Counters_StatePausedByPar
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_Counters_StatePausedByPar
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_Counters_StatePausedByPar
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_Counters_StatePausedByPar
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_Counters_StatePausedByPar
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_DiagnosticsLevel = 19108
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_LiveValues = 19152
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_LiveValues_ConfiguredData
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_LiveValues_ConfiguredData
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_LiveValues_OperationalDat
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_LiveValues_OperationalDat
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_LiveValues_SecurityTokenID
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_LiveValues_SecurityTokenID
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_LiveValues_TimeToNextToken
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_LiveValues_TimeToNextToken
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_Reset = 19119
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_SubError = 19120
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_TotalError = 19114
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_TotalError_Active = 19115
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_TotalError_Classification
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_TotalError_DiagnosticsLev
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_TotalError_TimeFirstChang
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_TotalInformation = 19109
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_TotalInformation_Active
```

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PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_TotalInformation_Classifi
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_TotalInformation_Diagnost
PubSubConnectionType_WriterGroupName_Placeholder_Diagnostics_TotalInformation_TimeFirs
PubSubConnectionType_WriterGroupName_Placeholder_GroupProperties = 17486
PubSubConnectionType_WriterGroupName_Placeholder_KeepAliveTime = 17319
PubSubConnectionType_WriterGroupName_Placeholder_LocaleIds = 17322
PubSubConnectionType_WriterGroupName_Placeholder_MaxNetworkMessageSize = 17204
PubSubConnectionType_WriterGroupName_Placeholder_MessageSettings = 17291
PubSubConnectionType_WriterGroupName_Placeholder_Priority = 17321
PubSubConnectionType_WriterGroupName_Placeholder_PublishingInterval = 17318
PubSubConnectionType_WriterGroupName_Placeholder_RemoveDataSetWriter = 17323
PubSubConnectionType_WriterGroupName_Placeholder_RemoveDataSetWriter_InputArguments = 
PubSubConnectionType_WriterGroupName_Placeholder_SecurityGroupId = 17312
PubSubConnectionType_WriterGroupName_Placeholder_SecurityKeyServices = 17313
PubSubConnectionType_WriterGroupName_Placeholder_SecurityMode = 17311
PubSubConnectionType_WriterGroupName_Placeholder_Status = 17314
PubSubConnectionType_WriterGroupName_Placeholder_Status_Disable = 17317
PubSubConnectionType_WriterGroupName_Placeholder_Status_Enable = 17316
PubSubConnectionType_WriterGroupName_Placeholder_Status_State = 17315
PubSubConnectionType_WriterGroupName_Placeholder_TransportSettings = 17290
PubSubConnectionType_WriterGroupName_Placeholder_WriterGroupId = 17214
PubSubDiagnosticsConnectionType = 19786
PubSubDiagnosticsConnectionType_Counters = 19800
PubSubDiagnosticsConnectionType_Counters_StateDisabledByMethod = 19826
PubSubDiagnosticsConnectionType_Counters_StateDisabledByMethod_Active = 19827
PubSubDiagnosticsConnectionType_Counters_StateDisabledByMethod_Classification = 19828
PubSubDiagnosticsConnectionType_Counters_StateDisabledByMethod_DiagnosticsLevel = 1982
PubSubDiagnosticsConnectionType_Counters_StateDisabledByMethod_TimeFirstChange = 19830
PubSubDiagnosticsConnectionType_Counters_StateError = 19801
PubSubDiagnosticsConnectionType_Counters_StateError_Active = 19802
PubSubDiagnosticsConnectionType_Counters_StateError_Classification = 19803
PubSubDiagnosticsConnectionType_Counters_StateError_DiagnosticsLevel = 19804
PubSubDiagnosticsConnectionType_Counters_StateError_TimeFirstChange = 19805
PubSubDiagnosticsConnectionType_Counters_StateOperationalByMethod = 19806
PubSubDiagnosticsConnectionType_Counters_StateOperationalByMethod_Active = 19807
PubSubDiagnosticsConnectionType_Counters_StateOperationalByMethod_Classification = 198
```

```
PubSubDiagnosticsConnectionType_Counters_StateOperationalByMethod_DiagnosticsLevel = 19810
PubSubDiagnosticsConnectionType_Counters_StateOperationalByMethod_TimeFirstChange = 19811
PubSubDiagnosticsConnectionType_Counters_StateOperationalByParent = 19811
PubSubDiagnosticsConnectionType_Counters_StateOperationalByParent_Active = 19812
PubSubDiagnosticsConnectionType_Counters_StateOperationalByParent_Classification = 19813
PubSubDiagnosticsConnectionType_Counters_StateOperationalByParent_DiagnosticsLevel = 19814
PubSubDiagnosticsConnectionType_Counters_StateOperationalByParent_TimeFirstChange = 19815
PubSubDiagnosticsConnectionType_Counters_StateOperationalFromError = 19816
PubSubDiagnosticsConnectionType_Counters_StateOperationalFromError_Active = 19817
PubSubDiagnosticsConnectionType_Counters_StateOperationalFromError_Classification = 19818
PubSubDiagnosticsConnectionType_Counters_StateOperationalFromError_DiagnosticsLevel = 19819
PubSubDiagnosticsConnectionType_Counters_StateOperationalFromError_TimeFirstChange = 19820
PubSubDiagnosticsConnectionType_Counters_StatePausedByParent = 19821
PubSubDiagnosticsConnectionType_Counters_StatePausedByParent_Active = 19822
PubSubDiagnosticsConnectionType_Counters_StatePausedByParent_Classification = 19823
PubSubDiagnosticsConnectionType_Counters_StatePausedByParent_DiagnosticsLevel = 19824
PubSubDiagnosticsConnectionType_Counters_StatePausedByParent_TimeFirstChange = 19825
PubSubDiagnosticsConnectionType_DiagnosticsLevel = 19787
PubSubDiagnosticsConnectionType_LiveValues = 19831
PubSubDiagnosticsConnectionType_LiveValues_ResolvedAddress = 19832
PubSubDiagnosticsConnectionType_LiveValues_ResolvedAddress_DiagnosticsLevel = 19833
PubSubDiagnosticsConnectionType_Reset = 19798
PubSubDiagnosticsConnectionType_SubError = 19799
PubSubDiagnosticsConnectionType_TotalError = 19793
PubSubDiagnosticsConnectionType_TotalError_Active = 19794
PubSubDiagnosticsConnectionType_TotalError_Classification = 19795
PubSubDiagnosticsConnectionType_TotalError_DiagnosticsLevel = 19796
PubSubDiagnosticsConnectionType_TotalError_TimeFirstChange = 19797
PubSubDiagnosticsConnectionType_TotalInformation = 19788
PubSubDiagnosticsConnectionType_TotalInformation_Active = 19789
PubSubDiagnosticsConnectionType_TotalInformation_Classification = 19790
PubSubDiagnosticsConnectionType_TotalInformation_DiagnosticsLevel = 19791
PubSubDiagnosticsConnectionType_TotalInformation_TimeFirstChange = 19792
PubSubDiagnosticsCounterClassification = 19730
PubSubDiagnosticsCounterClassification_EnumStrings = 19731
PubSubDiagnosticsCounterType = 19725
```

```
PubSubDiagnosticsCounterType_Active = 19726
PubSubDiagnosticsCounterType_Classification = 19727
PubSubDiagnosticsCounterType_DiagnosticsLevel = 19728
PubSubDiagnosticsCounterType_TimeFirstChange = 19729
PubSubDiagnosticsDataSetReaderType = 20027
PubSubDiagnosticsDataSetReaderType_Counters = 20041
PubSubDiagnosticsDataSetReaderType_Counters_DecryptionErrors = 20078
PubSubDiagnosticsDataSetReaderType_Counters_DecryptionErrors_Active = 20079
PubSubDiagnosticsDataSetReaderType_Counters_DecryptionErrors_Classification = 20080
PubSubDiagnosticsDataSetReaderType_Counters_DecryptionErrors_DiagnosticsLevel = 20081
PubSubDiagnosticsDataSetReaderType_Counters_DecryptionErrors_TimeFirstChange = 20082
PubSubDiagnosticsDataSetReaderType_Counters_FailedDataSetMessages = 20073
PubSubDiagnosticsDataSetReaderType_Counters_FailedDataSetMessages_Active = 20074
PubSubDiagnosticsDataSetReaderType_Counters_FailedDataSetMessages_Classification = 20075
PubSubDiagnosticsDataSetReaderType_Counters_FailedDataSetMessages_DiagnosticsLevel = 20076
PubSubDiagnosticsDataSetReaderType_Counters_FailedDataSetMessages_TimeFirstChange = 20077
PubSubDiagnosticsDataSetReaderType_Counters_StateDisabledByMethod = 20067
PubSubDiagnosticsDataSetReaderType_Counters_StateDisabledByMethod_Active = 20068
PubSubDiagnosticsDataSetReaderType_Counters_StateDisabledByMethod_Classification = 20069
PubSubDiagnosticsDataSetReaderType_Counters_StateDisabledByMethod_DiagnosticsLevel = 20070
PubSubDiagnosticsDataSetReaderType_Counters_StateDisabledByMethod_TimeFirstChange = 20071
PubSubDiagnosticsDataSetReaderType_Counters_StateError = 20042
PubSubDiagnosticsDataSetReaderType_Counters_StateError_Active = 20043
PubSubDiagnosticsDataSetReaderType_Counters_StateError_Classification = 20044
PubSubDiagnosticsDataSetReaderType_Counters_StateError_DiagnosticsLevel = 20045
PubSubDiagnosticsDataSetReaderType_Counters_StateError_TimeFirstChange = 20046
PubSubDiagnosticsDataSetReaderType_Counters_StateOperationalByMethod = 20047
PubSubDiagnosticsDataSetReaderType_Counters_StateOperationalByMethod_Active = 20048
PubSubDiagnosticsDataSetReaderType_Counters_StateOperationalByMethod_Classification = 20049
PubSubDiagnosticsDataSetReaderType_Counters_StateOperationalByMethod_DiagnosticsLevel = 20050
PubSubDiagnosticsDataSetReaderType_Counters_StateOperationalByMethod_TimeFirstChange = 20051
PubSubDiagnosticsDataSetReaderType_Counters_StateOperationalByParent = 20052
PubSubDiagnosticsDataSetReaderType_Counters_StateOperationalByParent_Active = 20053
PubSubDiagnosticsDataSetReaderType_Counters_StateOperationalByParent_Classification = 20054
PubSubDiagnosticsDataSetReaderType_Counters_StateOperationalByParent_DiagnosticsLevel = 20055
PubSubDiagnosticsDataSetReaderType_Counters_StateOperationalByParent_TimeFirstChange = 20056
```

PubSubDiagnosticsDataSetReaderType\_Counters\_StateOperationalFromError = 20057  
PubSubDiagnosticsDataSetReaderType\_Counters\_StateOperationalFromError\_Active = 20058  
PubSubDiagnosticsDataSetReaderType\_Counters\_StateOperationalFromError\_Classification = 20059  
PubSubDiagnosticsDataSetReaderType\_Counters\_StateOperationalFromError\_DiagnosticsLevel = 20060  
PubSubDiagnosticsDataSetReaderType\_Counters\_StateOperationalFromError\_TimeFirstChange = 20061  
PubSubDiagnosticsDataSetReaderType\_Counters\_StatePausedByParent = 20062  
PubSubDiagnosticsDataSetReaderType\_Counters\_StatePausedByParent\_Active = 20063  
PubSubDiagnosticsDataSetReaderType\_Counters\_StatePausedByParent\_Classification = 20064  
PubSubDiagnosticsDataSetReaderType\_Counters\_StatePausedByParent\_DiagnosticsLevel = 20065  
PubSubDiagnosticsDataSetReaderType\_Counters\_StatePausedByParent\_TimeFirstChange = 20066  
PubSubDiagnosticsDataSetReaderType\_DiagnosticsLevel = 20028  
PubSubDiagnosticsDataSetReaderType\_LiveValues = 20072  
PubSubDiagnosticsDataSetReaderType\_LiveValues\_MajorVersion = 20087  
PubSubDiagnosticsDataSetReaderType\_LiveValues\_MajorVersion\_DiagnosticsLevel = 20088  
PubSubDiagnosticsDataSetReaderType\_LiveValues\_MessageSequenceNumber = 20083  
PubSubDiagnosticsDataSetReaderType\_LiveValues\_MessageSequenceNumber\_DiagnosticsLevel = 20084  
PubSubDiagnosticsDataSetReaderType\_LiveValues\_MinorVersion = 20089  
PubSubDiagnosticsDataSetReaderType\_LiveValues\_MinorVersion\_DiagnosticsLevel = 20090  
PubSubDiagnosticsDataSetReaderType\_LiveValues\_SecurityTokenID = 20091  
PubSubDiagnosticsDataSetReaderType\_LiveValues\_SecurityTokenID\_DiagnosticsLevel = 20092  
PubSubDiagnosticsDataSetReaderType\_LiveValues\_StatusCode = 20085  
PubSubDiagnosticsDataSetReaderType\_LiveValues\_StatusCode\_DiagnosticsLevel = 20086  
PubSubDiagnosticsDataSetReaderType\_LiveValues\_TimeToNextTokenID = 20093  
PubSubDiagnosticsDataSetReaderType\_LiveValues\_TimeToNextTokenID\_DiagnosticsLevel = 20094  
PubSubDiagnosticsDataSetReaderType\_Reset = 20039  
PubSubDiagnosticsDataSetReaderType\_SubError = 20040  
PubSubDiagnosticsDataSetReaderType\_TotalError = 20034  
PubSubDiagnosticsDataSetReaderType\_TotalError\_Active = 20035  
PubSubDiagnosticsDataSetReaderType\_TotalError\_Classification = 20036  
PubSubDiagnosticsDataSetReaderType\_TotalError\_DiagnosticsLevel = 20037  
PubSubDiagnosticsDataSetReaderType\_TotalError\_TimeFirstChange = 20038  
PubSubDiagnosticsDataSetReaderType\_TotalInformation = 20029  
PubSubDiagnosticsDataSetReaderType\_TotalInformation\_Active = 20030  
PubSubDiagnosticsDataSetReaderType\_TotalInformation\_Classification = 20031  
PubSubDiagnosticsDataSetReaderType\_TotalInformation\_DiagnosticsLevel = 20032  
PubSubDiagnosticsDataSetReaderType\_TotalInformation\_TimeFirstChange = 20033

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PubSubDiagnosticsDataSetWriterType = 19968
PubSubDiagnosticsDataSetWriterType_Counters = 19982
PubSubDiagnosticsDataSetWriterType_Counters_FailedDataSetMessages = 20014
PubSubDiagnosticsDataSetWriterType_Counters_FailedDataSetMessages_Active = 20015
PubSubDiagnosticsDataSetWriterType_Counters_FailedDataSetMessages_Classification = 20016
PubSubDiagnosticsDataSetWriterType_Counters_FailedDataSetMessages_DiagnosticsLevel = 20017
PubSubDiagnosticsDataSetWriterType_Counters_FailedDataSetMessages_TimeFirstChange = 20018
PubSubDiagnosticsDataSetWriterType_Counters_StateDisabledByMethod = 20008
PubSubDiagnosticsDataSetWriterType_Counters_StateDisabledByMethod_Active = 20009
PubSubDiagnosticsDataSetWriterType_Counters_StateDisabledByMethod_Classification = 20010
PubSubDiagnosticsDataSetWriterType_Counters_StateDisabledByMethod_DiagnosticsLevel = 20011
PubSubDiagnosticsDataSetWriterType_Counters_StateDisabledByMethod_TimeFirstChange = 20012
PubSubDiagnosticsDataSetWriterType_Counters_StateError = 19983
PubSubDiagnosticsDataSetWriterType_Counters_StateError_Active = 19984
PubSubDiagnosticsDataSetWriterType_Counters_StateError_Classification = 19985
PubSubDiagnosticsDataSetWriterType_Counters_StateError_DiagnosticsLevel = 19986
PubSubDiagnosticsDataSetWriterType_Counters_StateError_TimeFirstChange = 19987
PubSubDiagnosticsDataSetWriterType_Counters_StateOperationalByMethod = 19988
PubSubDiagnosticsDataSetWriterType_Counters_StateOperationalByMethod_Active = 19989
PubSubDiagnosticsDataSetWriterType_Counters_StateOperationalByMethod_Classification = 19990
PubSubDiagnosticsDataSetWriterType_Counters_StateOperationalByMethod_DiagnosticsLevel = 19991
PubSubDiagnosticsDataSetWriterType_Counters_StateOperationalByMethod_TimeFirstChange = 19992
PubSubDiagnosticsDataSetWriterType_Counters_StateOperationalByParent = 19993
PubSubDiagnosticsDataSetWriterType_Counters_StateOperationalByParent_Active = 19994
PubSubDiagnosticsDataSetWriterType_Counters_StateOperationalByParent_Classification = 19995
PubSubDiagnosticsDataSetWriterType_Counters_StateOperationalByParent_DiagnosticsLevel = 19996
PubSubDiagnosticsDataSetWriterType_Counters_StateOperationalByParent_TimeFirstChange = 19997
PubSubDiagnosticsDataSetWriterType_Counters_StateOperationalFromError = 19998
PubSubDiagnosticsDataSetWriterType_Counters_StateOperationalFromError_Active = 19999
PubSubDiagnosticsDataSetWriterType_Counters_StateOperationalFromError_Classification = 20000
PubSubDiagnosticsDataSetWriterType_Counters_StateOperationalFromError_DiagnosticsLevel = 20001
PubSubDiagnosticsDataSetWriterType_Counters_StateOperationalFromError_TimeFirstChange = 20002
PubSubDiagnosticsDataSetWriterType_Counters_StatePausedByParent = 20003
PubSubDiagnosticsDataSetWriterType_Counters_StatePausedByParent_Active = 20004
PubSubDiagnosticsDataSetWriterType_Counters_StatePausedByParent_Classification = 20005
PubSubDiagnosticsDataSetWriterType_Counters_StatePausedByParent_DiagnosticsLevel = 20006
```



PubSubDiagnosticsDataSetWriterType\_Counters\_StatePausedByParent\_TimeFirstChange = 2000  
PubSubDiagnosticsDataSetWriterType\_DiagnosticsLevel = 19969  
PubSubDiagnosticsDataSetWriterType\_LiveValues = 20013  
PubSubDiagnosticsDataSetWriterType\_LiveValues\_MajorVersion = 20023  
PubSubDiagnosticsDataSetWriterType\_LiveValues\_MajorVersion\_DiagnosticsLevel = 20024  
PubSubDiagnosticsDataSetWriterType\_LiveValues\_MessageSequenceNumber = 20019  
PubSubDiagnosticsDataSetWriterType\_LiveValues\_MessageSequenceNumber\_DiagnosticsLevel =  
PubSubDiagnosticsDataSetWriterType\_LiveValues\_MinorVersion = 20025  
PubSubDiagnosticsDataSetWriterType\_LiveValues\_MinorVersion\_DiagnosticsLevel = 20026  
PubSubDiagnosticsDataSetWriterType\_LiveValues\_StatusCode = 20021  
PubSubDiagnosticsDataSetWriterType\_LiveValues\_StatusCode\_DiagnosticsLevel = 20022  
PubSubDiagnosticsDataSetWriterType\_Reset = 19980  
PubSubDiagnosticsDataSetWriterType\_SubError = 19981  
PubSubDiagnosticsDataSetWriterType\_TotalError = 19975  
PubSubDiagnosticsDataSetWriterType\_TotalError\_Active = 19976  
PubSubDiagnosticsDataSetWriterType\_TotalError\_Classification = 19977  
PubSubDiagnosticsDataSetWriterType\_TotalError\_DiagnosticsLevel = 19978  
PubSubDiagnosticsDataSetWriterType\_TotalError\_TimeFirstChange = 19979  
PubSubDiagnosticsDataSetWriterType\_TotalInformation = 19970  
PubSubDiagnosticsDataSetWriterType\_TotalInformation\_Active = 19971  
PubSubDiagnosticsDataSetWriterType\_TotalInformation\_Classification = 19972  
PubSubDiagnosticsDataSetWriterType\_TotalInformation\_DiagnosticsLevel = 19973  
PubSubDiagnosticsDataSetWriterType\_TotalInformation\_TimeFirstChange = 19974  
PubSubDiagnosticsReaderGroupType = 19903  
PubSubDiagnosticsReaderGroupType\_Counters = 19917  
PubSubDiagnosticsReaderGroupType\_Counters\_DecryptionErrors = 19959  
PubSubDiagnosticsReaderGroupType\_Counters\_DecryptionErrors\_Active = 19960  
PubSubDiagnosticsReaderGroupType\_Counters\_DecryptionErrors\_Classification = 19961  
PubSubDiagnosticsReaderGroupType\_Counters\_DecryptionErrors\_DiagnosticsLevel = 19962  
PubSubDiagnosticsReaderGroupType\_Counters\_DecryptionErrors\_TimeFirstChange = 19963  
PubSubDiagnosticsReaderGroupType\_Counters\_ReceivedInvalidNetworkMessages = 19954  
PubSubDiagnosticsReaderGroupType\_Counters\_ReceivedInvalidNetworkMessages\_Active = 19955  
PubSubDiagnosticsReaderGroupType\_Counters\_ReceivedInvalidNetworkMessages\_Classification  
PubSubDiagnosticsReaderGroupType\_Counters\_ReceivedInvalidNetworkMessages\_DiagnosticsLe  
PubSubDiagnosticsReaderGroupType\_Counters\_ReceivedInvalidNetworkMessages\_TimeFirstChan  
PubSubDiagnosticsReaderGroupType\_Counters\_ReceivedNetworkMessages = 19949

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PubSubDiagnosticsReaderGroupType_Counters_ReceivedNetworkMessages_Active = 19950
PubSubDiagnosticsReaderGroupType_Counters_ReceivedNetworkMessages_Classification = 19951
PubSubDiagnosticsReaderGroupType_Counters_ReceivedNetworkMessages_DiagnosticsLevel = 19952
PubSubDiagnosticsReaderGroupType_Counters_ReceivedNetworkMessages_TimeFirstChange = 19953
PubSubDiagnosticsReaderGroupType_Counters_StateDisabledByMethod = 19943
PubSubDiagnosticsReaderGroupType_Counters_StateDisabledByMethod_Active = 19944
PubSubDiagnosticsReaderGroupType_Counters_StateDisabledByMethod_Classification = 19945
PubSubDiagnosticsReaderGroupType_Counters_StateDisabledByMethod_DiagnosticsLevel = 19946
PubSubDiagnosticsReaderGroupType_Counters_StateDisabledByMethod_TimeFirstChange = 19947
PubSubDiagnosticsReaderGroupType_Counters_StateError = 19918
PubSubDiagnosticsReaderGroupType_Counters_StateError_Active = 19919
PubSubDiagnosticsReaderGroupType_Counters_StateError_Classification = 19920
PubSubDiagnosticsReaderGroupType_Counters_StateError_DiagnosticsLevel = 19921
PubSubDiagnosticsReaderGroupType_Counters_StateError_TimeFirstChange = 19922
PubSubDiagnosticsReaderGroupType_Counters_StateOperationalByMethod = 19923
PubSubDiagnosticsReaderGroupType_Counters_StateOperationalByMethod_Active = 19924
PubSubDiagnosticsReaderGroupType_Counters_StateOperationalByMethod_Classification = 19925
PubSubDiagnosticsReaderGroupType_Counters_StateOperationalByMethod_DiagnosticsLevel = 19926
PubSubDiagnosticsReaderGroupType_Counters_StateOperationalByMethod_TimeFirstChange = 19927
PubSubDiagnosticsReaderGroupType_Counters_StateOperationalByParent = 19928
PubSubDiagnosticsReaderGroupType_Counters_StateOperationalByParent_Active = 19929
PubSubDiagnosticsReaderGroupType_Counters_StateOperationalByParent_Classification = 19930
PubSubDiagnosticsReaderGroupType_Counters_StateOperationalByParent_DiagnosticsLevel = 19931
PubSubDiagnosticsReaderGroupType_Counters_StateOperationalByParent_TimeFirstChange = 19932
PubSubDiagnosticsReaderGroupType_Counters_StateOperationalFromError = 19933
PubSubDiagnosticsReaderGroupType_Counters_StateOperationalFromError_Active = 19934
PubSubDiagnosticsReaderGroupType_Counters_StateOperationalFromError_Classification = 19935
PubSubDiagnosticsReaderGroupType_Counters_StateOperationalFromError_DiagnosticsLevel = 19936
PubSubDiagnosticsReaderGroupType_Counters_StateOperationalFromError_TimeFirstChange = 19937
PubSubDiagnosticsReaderGroupType_Counters_StatePausedByParent = 19938
PubSubDiagnosticsReaderGroupType_Counters_StatePausedByParent_Active = 19939
PubSubDiagnosticsReaderGroupType_Counters_StatePausedByParent_Classification = 19940
PubSubDiagnosticsReaderGroupType_Counters_StatePausedByParent_DiagnosticsLevel = 19941
PubSubDiagnosticsReaderGroupType_Counters_StatePausedByParent_TimeFirstChange = 19942
PubSubDiagnosticsReaderGroupType_DiagnosticsLevel = 19904
PubSubDiagnosticsReaderGroupType_LiveValues = 19948
```

PubSubDiagnosticsReaderGroupType\_LiveValues\_ConfiguredDataSetReaders = 19964  
PubSubDiagnosticsReaderGroupType\_LiveValues\_ConfiguredDataSetReaders\_DiagnosticsLevel = 19965  
PubSubDiagnosticsReaderGroupType\_LiveValues\_OperationalDataSetReaders = 19966  
PubSubDiagnosticsReaderGroupType\_LiveValues\_OperationalDataSetReaders\_DiagnosticsLevel = 19967  
PubSubDiagnosticsReaderGroupType\_Reset = 19915  
PubSubDiagnosticsReaderGroupType\_SubError = 19916  
PubSubDiagnosticsReaderGroupType\_TotalError = 19910  
PubSubDiagnosticsReaderGroupType\_TotalError\_Active = 19911  
PubSubDiagnosticsReaderGroupType\_TotalError\_Classification = 19912  
PubSubDiagnosticsReaderGroupType\_TotalError\_DiagnosticsLevel = 19913  
PubSubDiagnosticsReaderGroupType\_TotalError\_TimeFirstChange = 19914  
PubSubDiagnosticsReaderGroupType\_TotalInformation = 19905  
PubSubDiagnosticsReaderGroupType\_TotalInformation\_Active = 19906  
PubSubDiagnosticsReaderGroupType\_TotalInformation\_Classification = 19907  
PubSubDiagnosticsReaderGroupType\_TotalInformation\_DiagnosticsLevel = 19908  
PubSubDiagnosticsReaderGroupType\_TotalInformation\_TimeFirstChange = 19909  
PubSubDiagnosticsRootType = 19732  
PubSubDiagnosticsRootType\_Counters = 19746  
PubSubDiagnosticsRootType\_Counters\_StateDisabledByMethod = 19772  
PubSubDiagnosticsRootType\_Counters\_StateDisabledByMethod\_Active = 19773  
PubSubDiagnosticsRootType\_Counters\_StateDisabledByMethod\_Classification = 19774  
PubSubDiagnosticsRootType\_Counters\_StateDisabledByMethod\_DiagnosticsLevel = 19775  
PubSubDiagnosticsRootType\_Counters\_StateDisabledByMethod\_TimeFirstChange = 19776  
PubSubDiagnosticsRootType\_Counters\_StateError = 19747  
PubSubDiagnosticsRootType\_Counters\_StateError\_Active = 19748  
PubSubDiagnosticsRootType\_Counters\_StateError\_Classification = 19749  
PubSubDiagnosticsRootType\_Counters\_StateError\_DiagnosticsLevel = 19750  
PubSubDiagnosticsRootType\_Counters\_StateError\_TimeFirstChange = 19751  
PubSubDiagnosticsRootType\_Counters\_StateOperationalByMethod = 19752  
PubSubDiagnosticsRootType\_Counters\_StateOperationalByMethod\_Active = 19753  
PubSubDiagnosticsRootType\_Counters\_StateOperationalByMethod\_Classification = 19754  
PubSubDiagnosticsRootType\_Counters\_StateOperationalByMethod\_DiagnosticsLevel = 19755  
PubSubDiagnosticsRootType\_Counters\_StateOperationalByMethod\_TimeFirstChange = 19756  
PubSubDiagnosticsRootType\_Counters\_StateOperationalByParent = 19757  
PubSubDiagnosticsRootType\_Counters\_StateOperationalByParent\_Active = 19758  
PubSubDiagnosticsRootType\_Counters\_StateOperationalByParent\_Classification = 19759

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PubSubDiagnosticsRootType_Counters_StateOperationalByParent_DiagnosticsLevel = 19760
PubSubDiagnosticsRootType_Counters_StateOperationalByParent_TimeFirstChange = 19761
PubSubDiagnosticsRootType_Counters_StateOperationalFromError = 19762
PubSubDiagnosticsRootType_Counters_StateOperationalFromError_Active = 19763
PubSubDiagnosticsRootType_Counters_StateOperationalFromError_Classification = 19764
PubSubDiagnosticsRootType_Counters_StateOperationalFromError_DiagnosticsLevel = 19765
PubSubDiagnosticsRootType_Counters_StateOperationalFromError_TimeFirstChange = 19766
PubSubDiagnosticsRootType_Counters_StatePausedByParent = 19767
PubSubDiagnosticsRootType_Counters_StatePausedByParent_Active = 19768
PubSubDiagnosticsRootType_Counters_StatePausedByParent_Classification = 19769
PubSubDiagnosticsRootType_Counters_StatePausedByParent_DiagnosticsLevel = 19770
PubSubDiagnosticsRootType_Counters_StatePausedByParent_TimeFirstChange = 19771
PubSubDiagnosticsRootType_DiagnosticsLevel = 19733
PubSubDiagnosticsRootType_LiveValues = 19777
PubSubDiagnosticsRootType_LiveValues_ConfiguredDataSetReaders = 19780
PubSubDiagnosticsRootType_LiveValues_ConfiguredDataSetReaders_DiagnosticsLevel = 19781
PubSubDiagnosticsRootType_LiveValues_ConfiguredDataSetWriters = 19778
PubSubDiagnosticsRootType_LiveValues_ConfiguredDataSetWriters_DiagnosticsLevel = 19779
PubSubDiagnosticsRootType_LiveValues_OperationalDataSetReaders = 19784
PubSubDiagnosticsRootType_LiveValues_OperationalDataSetReaders_DiagnosticsLevel = 1978
PubSubDiagnosticsRootType_LiveValues_OperationalDataSetWriters = 19782
PubSubDiagnosticsRootType_LiveValues_OperationalDataSetWriters_DiagnosticsLevel = 1978
PubSubDiagnosticsRootType_Reset = 19744
PubSubDiagnosticsRootType_SubError = 19745
PubSubDiagnosticsRootType_TotalError = 19739
PubSubDiagnosticsRootType_TotalError_Active = 19740
PubSubDiagnosticsRootType_TotalError_Classification = 19741
PubSubDiagnosticsRootType_TotalError_DiagnosticsLevel = 19742
PubSubDiagnosticsRootType_TotalError_TimeFirstChange = 19743
PubSubDiagnosticsRootType_TotalInformation = 19734
PubSubDiagnosticsRootType_TotalInformation_Active = 19735
PubSubDiagnosticsRootType_TotalInformation_Classification = 19736
PubSubDiagnosticsRootType_TotalInformation_DiagnosticsLevel = 19737
PubSubDiagnosticsRootType_TotalInformation_TimeFirstChange = 19738
PubSubDiagnosticsType = 19677
PubSubDiagnosticsType_Counters = 19691
```

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PubSubDiagnosticsType_Counters_StateDisabledByMethod = 19717
PubSubDiagnosticsType_Counters_StateDisabledByMethod_Active = 19718
PubSubDiagnosticsType_Counters_StateDisabledByMethod_Classification = 19719
PubSubDiagnosticsType_Counters_StateDisabledByMethod_DiagnosticsLevel = 19720
PubSubDiagnosticsType_Counters_StateDisabledByMethod_TimeFirstChange = 19721
PubSubDiagnosticsType_Counters_StateError = 19692
PubSubDiagnosticsType_Counters_StateError_Active = 19693
PubSubDiagnosticsType_Counters_StateError_Classification = 19694
PubSubDiagnosticsType_Counters_StateError_DiagnosticsLevel = 19695
PubSubDiagnosticsType_Counters_StateError_TimeFirstChange = 19696
PubSubDiagnosticsType_Counters_StateOperationalByMethod = 19697
PubSubDiagnosticsType_Counters_StateOperationalByMethod_Active = 19698
PubSubDiagnosticsType_Counters_StateOperationalByMethod_Classification = 19699
PubSubDiagnosticsType_Counters_StateOperationalByMethod_DiagnosticsLevel = 19700
PubSubDiagnosticsType_Counters_StateOperationalByMethod_TimeFirstChange = 19701
PubSubDiagnosticsType_Counters_StateOperationalByParent = 19702
PubSubDiagnosticsType_Counters_StateOperationalByParent_Active = 19703
PubSubDiagnosticsType_Counters_StateOperationalByParent_Classification = 19704
PubSubDiagnosticsType_Counters_StateOperationalByParent_DiagnosticsLevel = 19705
PubSubDiagnosticsType_Counters_StateOperationalByParent_TimeFirstChange = 19706
PubSubDiagnosticsType_Counters_StateOperationalFromError = 19707
PubSubDiagnosticsType_Counters_StateOperationalFromError_Active = 19708
PubSubDiagnosticsType_Counters_StateOperationalFromError_Classification = 19709
PubSubDiagnosticsType_Counters_StateOperationalFromError_DiagnosticsLevel = 19710
PubSubDiagnosticsType_Counters_StateOperationalFromError_TimeFirstChange = 19711
PubSubDiagnosticsType_Counters_StatePausedByParent = 19712
PubSubDiagnosticsType_Counters_StatePausedByParent_Active = 19713
PubSubDiagnosticsType_Counters_StatePausedByParent_Classification = 19714
PubSubDiagnosticsType_Counters_StatePausedByParent_DiagnosticsLevel = 19715
PubSubDiagnosticsType_Counters_StatePausedByParent_TimeFirstChange = 19716
PubSubDiagnosticsType_DiagnosticsLevel = 19678
PubSubDiagnosticsType_LiveValues = 19722
PubSubDiagnosticsType_Reset = 19689
PubSubDiagnosticsType_SubError = 19690
PubSubDiagnosticsType_TotalError = 19684
PubSubDiagnosticsType_TotalError_Active = 19685
```

```
PubSubDiagnosticsType_TotalError_Classification = 19686
PubSubDiagnosticsType_TotalError_DiagnosticsLevel = 19687
PubSubDiagnosticsType_TotalError_TimeFirstChange = 19688
PubSubDiagnosticsType_TotalInformation = 19679
PubSubDiagnosticsType_TotalInformation_Active = 19680
PubSubDiagnosticsType_TotalInformation_Classification = 19681
PubSubDiagnosticsType_TotalInformation_DiagnosticsLevel = 19682
PubSubDiagnosticsType_TotalInformation_TimeFirstChange = 19683
PubSubDiagnosticsWriterGroupType = 19834
PubSubDiagnosticsWriterGroupType_Counters = 19848
PubSubDiagnosticsWriterGroupType_Counters_EncryptionErrors = 19890
PubSubDiagnosticsWriterGroupType_Counters_EncryptionErrors_Active = 19891
PubSubDiagnosticsWriterGroupType_Counters_EncryptionErrors_Classification = 19892
PubSubDiagnosticsWriterGroupType_Counters_EncryptionErrors_DiagnosticsLevel = 19893
PubSubDiagnosticsWriterGroupType_Counters_EncryptionErrors_TimeFirstChange = 19894
PubSubDiagnosticsWriterGroupType_Counters_FailedTransmissions = 19885
PubSubDiagnosticsWriterGroupType_Counters_FailedTransmissions_Active = 19886
PubSubDiagnosticsWriterGroupType_Counters_FailedTransmissions_Classification = 19887
PubSubDiagnosticsWriterGroupType_Counters_FailedTransmissions_DiagnosticsLevel = 19888
PubSubDiagnosticsWriterGroupType_Counters_FailedTransmissions_TimeFirstChange = 19889
PubSubDiagnosticsWriterGroupType_Counters_SentNetworkMessages = 19880
PubSubDiagnosticsWriterGroupType_Counters_SentNetworkMessages_Active = 19881
PubSubDiagnosticsWriterGroupType_Counters_SentNetworkMessages_Classification = 19882
PubSubDiagnosticsWriterGroupType_Counters_SentNetworkMessages_DiagnosticsLevel = 19883
PubSubDiagnosticsWriterGroupType_Counters_SentNetworkMessages_TimeFirstChange = 19884
PubSubDiagnosticsWriterGroupType_Counters_StateDisabledByMethod = 19874
PubSubDiagnosticsWriterGroupType_Counters_StateDisabledByMethod_Active = 19875
PubSubDiagnosticsWriterGroupType_Counters_StateDisabledByMethod_Classification = 19876
PubSubDiagnosticsWriterGroupType_Counters_StateDisabledByMethod_DiagnosticsLevel = 19877
PubSubDiagnosticsWriterGroupType_Counters_StateDisabledByMethod_TimeFirstChange = 19878
PubSubDiagnosticsWriterGroupType_Counters_StateError = 19849
PubSubDiagnosticsWriterGroupType_Counters_StateError_Active = 19850
PubSubDiagnosticsWriterGroupType_Counters_StateError_Classification = 19851
PubSubDiagnosticsWriterGroupType_Counters_StateError_DiagnosticsLevel = 19852
PubSubDiagnosticsWriterGroupType_Counters_StateError_TimeFirstChange = 19853
PubSubDiagnosticsWriterGroupType_Counters_StateOperationalByMethod = 19854
```

PubSubDiagnosticsWriterGroupType\_Counters\_StateOperationalByMethod\_Active = 19855  
PubSubDiagnosticsWriterGroupType\_Counters\_StateOperationalByMethod\_Classification = 19856  
PubSubDiagnosticsWriterGroupType\_Counters\_StateOperationalByMethod\_DiagnosticsLevel = 19857  
PubSubDiagnosticsWriterGroupType\_Counters\_StateOperationalByMethod\_TimeFirstChange = 19858  
PubSubDiagnosticsWriterGroupType\_Counters\_StateOperationalByParent = 19859  
PubSubDiagnosticsWriterGroupType\_Counters\_StateOperationalByParent\_Active = 19860  
PubSubDiagnosticsWriterGroupType\_Counters\_StateOperationalByParent\_Classification = 19861  
PubSubDiagnosticsWriterGroupType\_Counters\_StateOperationalByParent\_DiagnosticsLevel = 19862  
PubSubDiagnosticsWriterGroupType\_Counters\_StateOperationalByParent\_TimeFirstChange = 19863  
PubSubDiagnosticsWriterGroupType\_Counters\_StateOperationalFromError = 19864  
PubSubDiagnosticsWriterGroupType\_Counters\_StateOperationalFromError\_Active = 19865  
PubSubDiagnosticsWriterGroupType\_Counters\_StateOperationalFromError\_Classification = 19866  
PubSubDiagnosticsWriterGroupType\_Counters\_StateOperationalFromError\_DiagnosticsLevel = 19867  
PubSubDiagnosticsWriterGroupType\_Counters\_StateOperationalFromError\_TimeFirstChange = 19868  
PubSubDiagnosticsWriterGroupType\_Counters\_StatePausedByParent = 19869  
PubSubDiagnosticsWriterGroupType\_Counters\_StatePausedByParent\_Active = 19870  
PubSubDiagnosticsWriterGroupType\_Counters\_StatePausedByParent\_Classification = 19871  
PubSubDiagnosticsWriterGroupType\_Counters\_StatePausedByParent\_DiagnosticsLevel = 19872  
PubSubDiagnosticsWriterGroupType\_Counters\_StatePausedByParent\_TimeFirstChange = 19873  
PubSubDiagnosticsWriterGroupType\_DiagnosticsLevel = 19835  
PubSubDiagnosticsWriterGroupType\_LiveValues = 19879  
PubSubDiagnosticsWriterGroupType\_LiveValues\_ConfiguredDataSetWriters = 19895  
PubSubDiagnosticsWriterGroupType\_LiveValues\_ConfiguredDataSetWriters\_DiagnosticsLevel = 19896  
PubSubDiagnosticsWriterGroupType\_LiveValues\_OperationalDataSetWriters = 19897  
PubSubDiagnosticsWriterGroupType\_LiveValues\_OperationalDataSetWriters\_DiagnosticsLevel = 19898  
PubSubDiagnosticsWriterGroupType\_LiveValues\_SecurityTokenID = 19899  
PubSubDiagnosticsWriterGroupType\_LiveValues\_SecurityTokenID\_DiagnosticsLevel = 19900  
PubSubDiagnosticsWriterGroupType\_LiveValues\_TimeToNextTokenID = 19901  
PubSubDiagnosticsWriterGroupType\_LiveValues\_TimeToNextTokenID\_DiagnosticsLevel = 19902  
PubSubDiagnosticsWriterGroupType\_Reset = 19846  
PubSubDiagnosticsWriterGroupType\_SubError = 19847  
PubSubDiagnosticsWriterGroupType\_TotalError = 19841  
PubSubDiagnosticsWriterGroupType\_TotalError\_Active = 19842  
PubSubDiagnosticsWriterGroupType\_TotalError\_Classification = 19843  
PubSubDiagnosticsWriterGroupType\_TotalError\_DiagnosticsLevel = 19844  
PubSubDiagnosticsWriterGroupType\_TotalError\_TimeFirstChange = 19845

```
PubSubDiagnosticsWriterGroupType_TotalInformation = 19836
PubSubDiagnosticsWriterGroupType_TotalInformation_Active = 19837
PubSubDiagnosticsWriterGroupType_TotalInformation_Classification = 19838
PubSubDiagnosticsWriterGroupType_TotalInformation_DiagnosticsLevel = 19839
PubSubDiagnosticsWriterGroupType_TotalInformation_TimeFirstChange = 19840
PubSubGroupDataType = 15609
PubSubGroupDataType_Encoding_DefaultBinary = 15689
PubSubGroupDataType_Encoding_DefaultJson = 16159
PubSubGroupDataType_Encoding_DefaultXml = 15988
PubSubGroupType = 14232
PubSubGroupTypeAddReaderMethodType = 21087
PubSubGroupTypeAddReaderMethodType_InputArguments = 21088
PubSubGroupTypeAddReaderMethodType_OutputArguments = 21089
PubSubGroupTypeAddWriterMethodType = 17994
PubSubGroupTypeAddWriterMethodType_InputArguments = 17995
PubSubGroupTypeAddWriterMethodType_OutputArguments = 17996
PubSubGroupTypeRemoveReaderMethodType = 14625
PubSubGroupTypeRemoveReaderMethodType_InputArguments = 14626
PubSubGroupTypeRemoveWriterMethodType = 14623
PubSubGroupTypeRemoveWriterMethodType_InputArguments = 14624
PubSubGroupType_GroupProperties = 17488
PubSubGroupType_MaxNetworkMessageSize = 17724
PubSubGroupType_SecurityGroupId = 15927
PubSubGroupType_SecurityKeyServices = 15928
PubSubGroupType_SecurityMode = 15926
PubSubGroupType_Status = 15265
PubSubGroupType_Status_Disable = 15268
PubSubGroupType_Status_Enable = 15267
PubSubGroupType_Status_State = 15266
PubSubKeyServiceType = 15906
PubSubKeyServiceType_GetSecurityGroup = 15910
PubSubKeyServiceType_GetSecurityGroup_InputArguments = 15911
PubSubKeyServiceType_GetSecurityGroup_OutputArguments = 15912
PubSubKeyServiceType_GetSecurityKeys = 15907
PubSubKeyServiceType_GetSecurityKeys_InputArguments = 15908
PubSubKeyServiceType_GetSecurityKeys_OutputArguments = 15909
```



```
PubSubKeyServiceType_SecurityGroups = 15913
PubSubKeyServiceType_SecurityGroups_AddSecurityGroup = 15914
PubSubKeyServiceType_SecurityGroups_AddSecurityGroup_InputArguments = 15915
PubSubKeyServiceType_SecurityGroups_AddSecurityGroup_OutputArguments = 15916
PubSubKeyServiceType_SecurityGroups_RemoveSecurityGroup = 15917
PubSubKeyServiceType_SecurityGroups_RemoveSecurityGroup_InputArguments = 15918
PubSubState = 14647
PubSubState_EnumStrings = 14648
PubSubStatusEventType = 15535
PubSubStatusEventType_ConnectionId = 15545
PubSubStatusEventType_EventId = 15536
PubSubStatusEventType_EventType = 15537
PubSubStatusEventType_GroupId = 15546
PubSubStatusEventType_LocalTime = 15542
PubSubStatusEventType_Message = 15543
PubSubStatusEventType_ReceiveTime = 15541
PubSubStatusEventType_Severity = 15544
PubSubStatusEventType_SourceName = 15539
PubSubStatusEventType_SourceNode = 15538
PubSubStatusEventType_State = 15547
PubSubStatusEventType_Time = 15540
PubSubStatusType = 14643
PubSubStatusType_Disable = 14646
PubSubStatusType_Enable = 14645
PubSubStatusType_State = 14644
PubSubTransportLimitsExceedEventType = 15548
PubSubTransportLimitsExceedEventType_Actual = 15561
PubSubTransportLimitsExceedEventType_ConnectionId = 15558
PubSubTransportLimitsExceedEventType_EventId = 15549
PubSubTransportLimitsExceedEventType_EventType = 15550
PubSubTransportLimitsExceedEventType_GroupId = 15559
PubSubTransportLimitsExceedEventType_LocalTime = 15555
PubSubTransportLimitsExceedEventType_Maximum = 15562
PubSubTransportLimitsExceedEventType_Message = 15556
PubSubTransportLimitsExceedEventType_ReceiveTime = 15554
PubSubTransportLimitsExceedEventType_Severity = 15557
```

```
PubSubTransportLimitsExceedEventType_SourceName = 15552
PubSubTransportLimitsExceedEventType_SourceNode = 15551
PubSubTransportLimitsExceedEventType_State = 15560
PubSubTransportLimitsExceedEventType_Time = 15553
PublishRequest = 824
PublishRequest_Encoding_DefaultBinary = 826
PublishRequest_Encoding_DefaultJson = 15352
PublishRequest_Encoding_DefaultXml = 825
PublishResponse = 827
PublishResponse_Encoding_DefaultBinary = 829
PublishResponse_Encoding_DefaultJson = 15353
PublishResponse_Encoding_DefaultXml = 828
PublishSubscribe = 14443
PublishSubscribeType = 14416
PublishSubscribeType_AddConnection = 16598
PublishSubscribeType_AddConnection_InputArguments = 16599
PublishSubscribeType_AddConnection_OutputArguments = 16600
PublishSubscribeType_ConnectionName_Placeholder = 14417
PublishSubscribeType_ConnectionName_Placeholder_AddReaderGroup = 16560
PublishSubscribeType_ConnectionName_Placeholder_AddReaderGroup_InputArguments = 16561
PublishSubscribeType_ConnectionName_Placeholder_AddReaderGroup_OutputArguments = 16571
PublishSubscribeType_ConnectionName_Placeholder_AddWriterGroup = 16535
PublishSubscribeType_ConnectionName_Placeholder_AddWriterGroup_InputArguments = 16558
PublishSubscribeType_ConnectionName_Placeholder_AddWriterGroup_OutputArguments = 16559
PublishSubscribeType_ConnectionName_Placeholder_Address = 14423
PublishSubscribeType_ConnectionName_Placeholder_Address_NetworkInterface = 15533
PublishSubscribeType_ConnectionName_Placeholder_ConnectionProperties = 17478
PublishSubscribeType_ConnectionName_Placeholder_Diagnostics = 18667
PublishSubscribeType_ConnectionName_Placeholder_Diagnostics_Counters = 18681
PublishSubscribeType_ConnectionName_Placeholder_Diagnostics_Counters_StateDisabledByMe
PublishSubscribeType_ConnectionName_Placeholder_Diagnostics_Counters_StateDisabledByMe
PublishSubscribeType_ConnectionName_Placeholder_Diagnostics_Counters_StateDisabledByMe
PublishSubscribeType_ConnectionName_Placeholder_Diagnostics_Counters_StateDisabledByMe
PublishSubscribeType_ConnectionName_Placeholder_Diagnostics_Counters_StateDisabledByMe
PublishSubscribeType_ConnectionName_Placeholder_Diagnostics_Counters_StateError = 1868
PublishSubscribeType_ConnectionName_Placeholder_Diagnostics_Counters_StateError_Active
```

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PublishSubscribeType\_ConnectionName\_Placeholder\_Diagnostics\_TotalInformation\_Classification = 14417  
PublishSubscribeType\_ConnectionName\_Placeholder\_Diagnostics\_TotalInformation\_DiagnosticsLevel = 14418  
PublishSubscribeType\_ConnectionName\_Placeholder\_Diagnostics\_TotalInformation\_TimeFirstChange = 14419  
PublishSubscribeType\_ConnectionName\_Placeholder\_PublisherId = 14418  
PublishSubscribeType\_ConnectionName\_Placeholder\_RemoveGroup = 14424  
PublishSubscribeType\_ConnectionName\_Placeholder\_RemoveGroup\_InputArguments = 14425  
PublishSubscribeType\_ConnectionName\_Placeholder\_Status = 14419  
PublishSubscribeType\_ConnectionName\_Placeholder\_Status\_Disable = 14422  
PublishSubscribeType\_ConnectionName\_Placeholder\_Status\_Enable = 14421  
PublishSubscribeType\_ConnectionName\_Placeholder\_Status\_State = 14420  
PublishSubscribeType\_ConnectionName\_Placeholder\_TransportProfileUri = 17292  
PublishSubscribeType\_ConnectionName\_Placeholder\_TransportProfileUri\_RestrictToList = 17293  
PublishSubscribeType\_ConnectionName\_Placeholder\_TransportProfileUri\_SelectionDescription = 17294  
PublishSubscribeType\_ConnectionName\_Placeholder\_TransportProfileUri\_Selections = 17706  
PublishSubscribeType\_ConnectionName\_Placeholder\_TransportSettings = 15905  
PublishSubscribeType\_Diagnostics = 18715  
PublishSubscribeType\_Diagnostics\_Counters = 18729  
PublishSubscribeType\_Diagnostics\_Counters\_StateDisabledByMethod = 18755  
PublishSubscribeType\_Diagnostics\_Counters\_StateDisabledByMethod\_Active = 18756  
PublishSubscribeType\_Diagnostics\_Counters\_StateDisabledByMethod\_Classification = 18757  
PublishSubscribeType\_Diagnostics\_Counters\_StateDisabledByMethod\_DiagnosticsLevel = 18758  
PublishSubscribeType\_Diagnostics\_Counters\_StateDisabledByMethod\_TimeFirstChange = 18759  
PublishSubscribeType\_Diagnostics\_Counters\_StateError = 18730  
PublishSubscribeType\_Diagnostics\_Counters\_StateError\_Active = 18731  
PublishSubscribeType\_Diagnostics\_Counters\_StateError\_Classification = 18732  
PublishSubscribeType\_Diagnostics\_Counters\_StateError\_DiagnosticsLevel = 18733  
PublishSubscribeType\_Diagnostics\_Counters\_StateError\_TimeFirstChange = 18734  
PublishSubscribeType\_Diagnostics\_Counters\_StateOperationalByMethod = 18735  
PublishSubscribeType\_Diagnostics\_Counters\_StateOperationalByMethod\_Active = 18736  
PublishSubscribeType\_Diagnostics\_Counters\_StateOperationalByMethod\_Classification = 18737  
PublishSubscribeType\_Diagnostics\_Counters\_StateOperationalByMethod\_DiagnosticsLevel = 18738  
PublishSubscribeType\_Diagnostics\_Counters\_StateOperationalByMethod\_TimeFirstChange = 18739  
PublishSubscribeType\_Diagnostics\_Counters\_StateOperationalByParent = 18740  
PublishSubscribeType\_Diagnostics\_Counters\_StateOperationalByParent\_Active = 18741  
PublishSubscribeType\_Diagnostics\_Counters\_StateOperationalByParent\_Classification = 18742  
PublishSubscribeType\_Diagnostics\_Counters\_StateOperationalByParent\_DiagnosticsLevel = 18743

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PublishSubscribeType_Diagnostics_Counters_StateOperationalByParent_TimeFirstChange = 18744
PublishSubscribeType_Diagnostics_Counters_StateOperationalFromError = 18745
PublishSubscribeType_Diagnostics_Counters_StateOperationalFromError_Active = 18746
PublishSubscribeType_Diagnostics_Counters_StateOperationalFromError_Classification = 18747
PublishSubscribeType_Diagnostics_Counters_StateOperationalFromError_DiagnosticsLevel = 18748
PublishSubscribeType_Diagnostics_Counters_StateOperationalFromError_TimeFirstChange = 18749
PublishSubscribeType_Diagnostics_Counters_StatePausedByParent = 18750
PublishSubscribeType_Diagnostics_Counters_StatePausedByParent_Active = 18751
PublishSubscribeType_Diagnostics_Counters_StatePausedByParent_Classification = 18752
PublishSubscribeType_Diagnostics_Counters_StatePausedByParent_DiagnosticsLevel = 18753
PublishSubscribeType_Diagnostics_Counters_StatePausedByParent_TimeFirstChange = 18754
PublishSubscribeType_Diagnostics_DiagnosticsLevel = 18716
PublishSubscribeType_Diagnostics_LiveValues = 18760
PublishSubscribeType_Diagnostics_LiveValues_ConfiguredDataSetReaders = 18763
PublishSubscribeType_Diagnostics_LiveValues_ConfiguredDataSetReaders_DiagnosticsLevel = 18764
PublishSubscribeType_Diagnostics_LiveValues_ConfiguredDataSetWriters = 18761
PublishSubscribeType_Diagnostics_LiveValues_ConfiguredDataSetWriters_DiagnosticsLevel = 18762
PublishSubscribeType_Diagnostics_LiveValues_OperationalDataSetReaders = 18767
PublishSubscribeType_Diagnostics_LiveValues_OperationalDataSetReaders_DiagnosticsLevel = 18768
PublishSubscribeType_Diagnostics_LiveValues_OperationalDataSetWriters = 18765
PublishSubscribeType_Diagnostics_LiveValues_OperationalDataSetWriters_DiagnosticsLevel = 18766
PublishSubscribeType_Diagnostics_Reset = 18727
PublishSubscribeType_Diagnostics_SubError = 18728
PublishSubscribeType_Diagnostics_TotalError = 18722
PublishSubscribeType_Diagnostics_TotalError_Active = 18723
PublishSubscribeType_Diagnostics_TotalError_Classification = 18724
PublishSubscribeType_Diagnostics_TotalError_DiagnosticsLevel = 18725
PublishSubscribeType_Diagnostics_TotalError_TimeFirstChange = 18726
PublishSubscribeType_Diagnostics_TotalInformation = 18717
PublishSubscribeType_Diagnostics_TotalInformation_Active = 18718
PublishSubscribeType_Diagnostics_TotalInformation_Classification = 18719
PublishSubscribeType_Diagnostics_TotalInformation_DiagnosticsLevel = 18720
PublishSubscribeType_Diagnostics_TotalInformation_TimeFirstChange = 18721
PublishSubscribeType_GetSecurityGroup = 15431
PublishSubscribeType_GetSecurityGroup_InputArguments = 15432
PublishSubscribeType_GetSecurityGroup_OutputArguments = 15433
```

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PublishSubscribeType_GetSecurityKeys = 15212
PublishSubscribeType_GetSecurityKeys_InputArguments = 15213
PublishSubscribeType_GetSecurityKeys_OutputArguments = 15214
PublishSubscribeType_PublishedDataSets = 14434
PublishSubscribeType_PublishedDataSets_AddDataSetFolder = 16651
PublishSubscribeType_PublishedDataSets_AddDataSetFolder_InputArguments = 16678
PublishSubscribeType_PublishedDataSets_AddDataSetFolder_OutputArguments = 16679
PublishSubscribeType_PublishedDataSets_AddPublishedDataItems = 14435
PublishSubscribeType_PublishedDataSets_AddPublishedDataItemsTemplate = 16601
PublishSubscribeType_PublishedDataSets_AddPublishedDataItemsTemplate_InputArguments = 16602
PublishSubscribeType_PublishedDataSets_AddPublishedDataItemsTemplate_OutputArguments = 16603
PublishSubscribeType_PublishedDataSets_AddPublishedDataItems_InputArguments = 14436
PublishSubscribeType_PublishedDataSets_AddPublishedDataItems_OutputArguments = 14437
PublishSubscribeType_PublishedDataSets_AddPublishedEvents = 14438
PublishSubscribeType_PublishedDataSets_AddPublishedEventsTemplate = 16639
PublishSubscribeType_PublishedDataSets_AddPublishedEventsTemplate_InputArguments = 16640
PublishSubscribeType_PublishedDataSets_AddPublishedEventsTemplate_OutputArguments = 16641
PublishSubscribeType_PublishedDataSets_AddPublishedEvents_InputArguments = 14439
PublishSubscribeType_PublishedDataSets_AddPublishedEvents_OutputArguments = 14440
PublishSubscribeType_PublishedDataSets_RemoveDataSetFolder = 16680
PublishSubscribeType_PublishedDataSets_RemoveDataSetFolder_InputArguments = 16681
PublishSubscribeType_PublishedDataSets_RemovePublishedDataSet = 14441
PublishSubscribeType_PublishedDataSets_RemovePublishedDataSet_InputArguments = 14442
PublishSubscribeType_RemoveConnection = 14432
PublishSubscribeType_RemoveConnection_InputArguments = 14433
PublishSubscribeType_SecurityGroups = 15434
PublishSubscribeType_SecurityGroups_AddSecurityGroup = 15435
PublishSubscribeType_SecurityGroups_AddSecurityGroup_InputArguments = 15436
PublishSubscribeType_SecurityGroups_AddSecurityGroup_OutputArguments = 15437
PublishSubscribeType_SecurityGroups_RemoveSecurityGroup = 15438
PublishSubscribeType_SecurityGroups_RemoveSecurityGroup_InputArguments = 15439
PublishSubscribeType_SetSecurityKeys = 17296
PublishSubscribeType_SetSecurityKeys_InputArguments = 17297
PublishSubscribeType_Status = 15844
PublishSubscribeType_Status_Disable = 15847
PublishSubscribeType_Status_Enable = 15846
```

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PublishSubscribe_ConnectionName_Placeholder_Diagnostics_Counters_StateOperationalByPar
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_Counters_StateOperationalFromE
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_Counters_StateOperationalFromE
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_Counters_StateOperationalFromE
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_Counters_StateOperationalFromE
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_Counters_StateOperationalFromE
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_Counters_StatePausedByParent =
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_Counters_StatePausedByParent_A
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_Counters_StatePausedByParent_C
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_Counters_StatePausedByParent_D
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_Counters_StatePausedByParent_T
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_DiagnosticsLevel = 15938
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_LiveValues = 17352
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_LiveValues_ResolvedAddress = 1
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_LiveValues_ResolvedAddress_Dia
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_Reset = 16076
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_SubError = 16101
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_TotalError = 16059
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_TotalError_Active = 16060
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_TotalError_Classification = 16
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_TotalError_DiagnosticsLevel =
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_TotalError_TimeFirstChange = 1
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_TotalInformation = 15939
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_TotalInformation_Active = 1598
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_TotalInformation_Classification
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_TotalInformation_DiagnosticsLe
PublishSubscribe_ConnectionName_Placeholder_Diagnostics_TotalInformation_TimeFirstChan
PublishSubscribe_ConnectionName_Placeholder_PublisherId = 15791
PublishSubscribe_ConnectionName_Placeholder_RemoveGroup = 17362
PublishSubscribe_ConnectionName_Placeholder_RemoveGroup_InputArguments = 17363
PublishSubscribe_ConnectionName_Placeholder_Status = 15865
PublishSubscribe_ConnectionName_Placeholder_Status_Disable = 15894
PublishSubscribe_ConnectionName_Placeholder_Status_Enable = 15893
PublishSubscribe_ConnectionName_Placeholder_Status_State = 15892
PublishSubscribe_ConnectionName_Placeholder_TransportProfileUri = 15792
PublishSubscribe_ConnectionName_Placeholder_TransportProfileUri_RestrictToList = 15850
```



PublishSubscribe\_ConnectionName\_Placeholder\_TransportProfileUri\_SelectionDescriptions = 15847  
PublishSubscribe\_ConnectionName\_Placeholder\_TransportProfileUri\_Selections = 15848  
PublishSubscribe\_ConnectionName\_Placeholder\_TransportSettings = 15864  
PublishSubscribe\_Diagnostics = 17409  
PublishSubscribe\_Diagnostics\_Counters = 17423  
PublishSubscribe\_Diagnostics\_Counters\_StateDisabledByMethod = 17451  
PublishSubscribe\_Diagnostics\_Counters\_StateDisabledByMethod\_Active = 17452  
PublishSubscribe\_Diagnostics\_Counters\_StateDisabledByMethod\_Classification = 17453  
PublishSubscribe\_Diagnostics\_Counters\_StateDisabledByMethod\_DiagnosticsLevel = 17454  
PublishSubscribe\_Diagnostics\_Counters\_StateDisabledByMethod\_TimeFirstChange = 17455  
PublishSubscribe\_Diagnostics\_Counters\_StateError = 17424  
PublishSubscribe\_Diagnostics\_Counters\_StateError\_Active = 17425  
PublishSubscribe\_Diagnostics\_Counters\_StateError\_Classification = 17426  
PublishSubscribe\_Diagnostics\_Counters\_StateError\_DiagnosticsLevel = 17429  
PublishSubscribe\_Diagnostics\_Counters\_StateError\_TimeFirstChange = 17430  
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PublishSubscribe\_Diagnostics\_Counters\_StateOperationalByMethod\_Active = 17432  
PublishSubscribe\_Diagnostics\_Counters\_StateOperationalByMethod\_Classification = 17433  
PublishSubscribe\_Diagnostics\_Counters\_StateOperationalByMethod\_DiagnosticsLevel = 17434  
PublishSubscribe\_Diagnostics\_Counters\_StateOperationalByMethod\_TimeFirstChange = 17435  
PublishSubscribe\_Diagnostics\_Counters\_StateOperationalByParent = 17436  
PublishSubscribe\_Diagnostics\_Counters\_StateOperationalByParent\_Active = 17437  
PublishSubscribe\_Diagnostics\_Counters\_StateOperationalByParent\_Classification = 17438  
PublishSubscribe\_Diagnostics\_Counters\_StateOperationalByParent\_DiagnosticsLevel = 17439  
PublishSubscribe\_Diagnostics\_Counters\_StateOperationalByParent\_TimeFirstChange = 17440  
PublishSubscribe\_Diagnostics\_Counters\_StateOperationalFromError = 17441  
PublishSubscribe\_Diagnostics\_Counters\_StateOperationalFromError\_Active = 17442  
PublishSubscribe\_Diagnostics\_Counters\_StateOperationalFromError\_Classification = 17443  
PublishSubscribe\_Diagnostics\_Counters\_StateOperationalFromError\_DiagnosticsLevel = 17444  
PublishSubscribe\_Diagnostics\_Counters\_StateOperationalFromError\_TimeFirstChange = 17445  
PublishSubscribe\_Diagnostics\_Counters\_StatePausedByParent = 17446  
PublishSubscribe\_Diagnostics\_Counters\_StatePausedByParent\_Active = 17447  
PublishSubscribe\_Diagnostics\_Counters\_StatePausedByParent\_Classification = 17448  
PublishSubscribe\_Diagnostics\_Counters\_StatePausedByParent\_DiagnosticsLevel = 17449  
PublishSubscribe\_Diagnostics\_Counters\_StatePausedByParent\_TimeFirstChange = 17450  
PublishSubscribe\_Diagnostics\_DiagnosticsLevel = 17410

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PublishSubscribe_Diagnostics_LiveValues = 17457
PublishSubscribe_Diagnostics_LiveValues_ConfiguredDataSetReaders = 17460
PublishSubscribe_Diagnostics_LiveValues_ConfiguredDataSetReaders_DiagnosticsLevel = 17461
PublishSubscribe_Diagnostics_LiveValues_ConfiguredDataSetWriters = 17458
PublishSubscribe_Diagnostics_LiveValues_ConfiguredDataSetWriters_DiagnosticsLevel = 17459
PublishSubscribe_Diagnostics_LiveValues_OperationalDataSetReaders = 17464
PublishSubscribe_Diagnostics_LiveValues_OperationalDataSetReaders_DiagnosticsLevel = 17465
PublishSubscribe_Diagnostics_LiveValues_OperationalDataSetWriters = 17462
PublishSubscribe_Diagnostics_LiveValues_OperationalDataSetWriters_DiagnosticsLevel = 17463
PublishSubscribe_Diagnostics_Reset = 17421
PublishSubscribe_Diagnostics_SubError = 17422
PublishSubscribe_Diagnostics_TotalError = 17416
PublishSubscribe_Diagnostics_TotalError_Active = 17417
PublishSubscribe_Diagnostics_TotalError_Classification = 17418
PublishSubscribe_Diagnostics_TotalError_DiagnosticsLevel = 17419
PublishSubscribe_Diagnostics_TotalError_TimeFirstChange = 17420
PublishSubscribe_Diagnostics_TotalInformation = 17411
PublishSubscribe_Diagnostics_TotalInformation_Active = 17412
PublishSubscribe_Diagnostics_TotalInformation_Classification = 17413
PublishSubscribe_Diagnostics_TotalInformation_DiagnosticsLevel = 17414
PublishSubscribe_Diagnostics_TotalInformation_TimeFirstChange = 17415
PublishSubscribe_GetSecurityGroup = 15440
PublishSubscribe_GetSecurityGroup_InputArguments = 15441
PublishSubscribe_GetSecurityGroup_OutputArguments = 15442
PublishSubscribe_GetSecurityKeys = 15215
PublishSubscribe_GetSecurityKeys_InputArguments = 15216
PublishSubscribe_GetSecurityKeys_OutputArguments = 15217
PublishSubscribe_PublishedDataSets = 17371
PublishSubscribe_PublishedDataSets_AddDataSetFolder = 17398
PublishSubscribe_PublishedDataSets_AddDataSetFolder_InputArguments = 17401
PublishSubscribe_PublishedDataSets_AddDataSetFolder_OutputArguments = 17402
PublishSubscribe_PublishedDataSets_AddPublishedDataItems = 17372
PublishSubscribe_PublishedDataSets_AddPublishedDataItemsTemplate = 17378
PublishSubscribe_PublishedDataSets_AddPublishedDataItemsTemplate_InputArguments = 17379
PublishSubscribe_PublishedDataSets_AddPublishedDataItemsTemplate_OutputArguments = 17380
PublishSubscribe_PublishedDataSets_AddPublishedDataItems_InputArguments = 17373
```

`PublishSubscribe_PublishedDataSets_AddPublishedDataItems_OutputArguments` = 17374  
`PublishSubscribe_PublishedDataSets_AddPublishedEvents` = 17375  
`PublishSubscribe_PublishedDataSets_AddPublishedEventsTemplate` = 17381  
`PublishSubscribe_PublishedDataSets_AddPublishedEventsTemplate_InputArguments` = 17382  
`PublishSubscribe_PublishedDataSets_AddPublishedEventsTemplate_OutputArguments` = 17383  
`PublishSubscribe_PublishedDataSets_AddPublishedEvents_InputArguments` = 17376  
`PublishSubscribe_PublishedDataSets_AddPublishedEvents_OutputArguments` = 17377  
`PublishSubscribe_PublishedDataSets_RemoveDataSetFolder` = 17403  
`PublishSubscribe_PublishedDataSets_RemoveDataSetFolder_InputArguments` = 17404  
`PublishSubscribe_PublishedDataSets_RemovePublishedDataSet` = 17384  
`PublishSubscribe_PublishedDataSets_RemovePublishedDataSet_InputArguments` = 17385  
`PublishSubscribe_RemoveConnection` = 17369  
`PublishSubscribe_RemoveConnection_InputArguments` = 17370  
`PublishSubscribe_SecurityGroups` = 15443  
`PublishSubscribe_SecurityGroups_AddSecurityGroup` = 15444  
`PublishSubscribe_SecurityGroups_AddSecurityGroup_InputArguments` = 15445  
`PublishSubscribe_SecurityGroups_AddSecurityGroup_OutputArguments` = 15446  
`PublishSubscribe_SecurityGroups_RemoveSecurityGroup` = 15447  
`PublishSubscribe_SecurityGroups_RemoveSecurityGroup_InputArguments` = 15448  
`PublishSubscribe_SetSecurityKeys` = 17364  
`PublishSubscribe_SetSecurityKeys_InputArguments` = 17365  
`PublishSubscribe_Status` = 17405  
`PublishSubscribe_Status_Disable` = 17408  
`PublishSubscribe_Status_Enable` = 17407  
`PublishSubscribe_Status_State` = 17406  
`PublishSubscribe_SupportedTransportProfiles` = 17481  
`PublishedDataItemsAddVariablesMethodType` = 14564  
`PublishedDataItemsAddVariablesMethodType_InputArguments` = 14565  
`PublishedDataItemsAddVariablesMethodType_OutputArguments` = 14566  
`PublishedDataItemsDataType` = 15581  
`PublishedDataItemsDataType-Encoding_DefaultBinary` = 15679  
`PublishedDataItemsDataType-Encoding_DefaultJson` = 16154  
`PublishedDataItemsDataType-Encoding_DefaultXml` = 15953  
`PublishedDataItemsRemoveVariablesMethodType` = 14567  
`PublishedDataItemsRemoveVariablesMethodType_InputArguments` = 14568  
`PublishedDataItemsRemoveVariablesMethodType_OutputArguments` = 14569

```
PublishedDataItemsType = 14534
PublishedDataItemsType_AddVariables = 14555
PublishedDataItemsType_AddVariables_InputArguments = 14556
PublishedDataItemsType_AddVariables_OutputArguments = 14557
PublishedDataItemsType_ConfigurationVersion = 14544
PublishedDataItemsType_DataSetClassId = 16800
PublishedDataItemsType_DataSetMetaData = 15237
PublishedDataItemsType_DataSetWriterName_Placeholder = 15230
PublishedDataItemsType_DataSetWriterName_Placeholder_DataSetFieldContentMask = 16761
PublishedDataItemsType_DataSetWriterName_Placeholder_DataSetWriterId = 16760
PublishedDataItemsType_DataSetWriterName_Placeholder_DataSetWriterProperties = 17483
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics = 18930
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters = 18944
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_FailedDataSe
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_FailedDataSe
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_FailedDataSe
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_FailedDataSe
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_FailedDataSe
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateDisable
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateDisable
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateDisable
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateDisable
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateError =
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateError_A
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateError_C
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateError_D
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateError_T
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateOperati
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateOperati
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateOperati
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateOperati
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateOperati
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateOperati
PublishedDataItemsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateOperati
```

PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperati  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperati  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperati  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperati  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperati  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperati  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperati  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StatePausedBy  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StatePausedBy  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StatePausedBy  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StatePausedBy  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StatePausedBy  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_DiagnosticsLevel = 18  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues = 18975  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_MajorVersi  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_MajorVersi  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_MessageSeq  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_MessageSeq  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_MinorVersi  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_MinorVersi  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_StatusCode  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_StatusCode  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Reset = 18942  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_SubError = 18943  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalError = 18937  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalError\_Active = 1  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalError\_Classifica  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalError\_Diagnostic  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalError\_TimeFirstC  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalInformation = 18  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalInformation\_Acti  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalInformation\_Clas  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalInformation\_Diag  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalInformation\_Time  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_KeyFrameCount = 16771  
PublishedDataItemsType\_DataSetWriterName\_Placeholder\_MessageSettings = 16799

```
PublishedDataItemsType_DataSetWriterName_Placeholder_Status = 15231
PublishedDataItemsType_DataSetWriterName_Placeholder_Status_Disable = 15234
PublishedDataItemsType_DataSetWriterName_Placeholder_Status_Enable = 15233
PublishedDataItemsType_DataSetWriterName_Placeholder_Status_State = 15232
PublishedDataItemsType_DataSetWriterName_Placeholder_TransportSettings = 15235
PublishedDataItemsType_ExtensionFields = 15503
PublishedDataItemsType_ExtensionFields_AddExtensionField = 15504
PublishedDataItemsType_ExtensionFields_AddExtensionField_InputArguments = 15505
PublishedDataItemsType_ExtensionFields_AddExtensionField_OutputArguments = 15506
PublishedDataItemsType_ExtensionFields_RemoveExtensionField = 15507
PublishedDataItemsType_ExtensionFields_RemoveExtensionField_InputArguments = 15508
PublishedDataItemsType_PublishedData = 14548
PublishedDataItemsType_RemoveVariables = 14558
PublishedDataItemsType_RemoveVariables_InputArguments = 14559
PublishedDataItemsType_RemoveVariables_OutputArguments = 14560
PublishedDataSetDataType = 15578
PublishedDataSetDataType-Encoding_DefaultBinary = 15677
PublishedDataSetDataType-Encoding_DefaultJson = 16152
PublishedDataSetDataType-Encoding_DefaultXml = 15951
PublishedDataSetSourceDataType = 15580
PublishedDataSetSourceDataType-Encoding_DefaultBinary = 15678
PublishedDataSetSourceDataType-Encoding_DefaultJson = 16153
PublishedDataSetSourceDataType-Encoding_DefaultXml = 15952
PublishedDataSetType = 14509
PublishedDataSetType_ConfigurationVersion = 14519
PublishedDataSetType_DataSetClassId = 16759
PublishedDataSetType_DataSetMetaData = 15229
PublishedDataSetType_DataSetWriterName_Placeholder = 15222
PublishedDataSetType_DataSetWriterName_Placeholder_DataSetFieldContentMask = 16721
PublishedDataSetType_DataSetWriterName_Placeholder_DataSetWriterId = 16720
PublishedDataSetType_DataSetWriterName_Placeholder_DataSetWriterProperties = 17482
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics = 18871
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_Counters = 18885
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_Counters_FailedDataSetM
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_Counters_FailedDataSetM
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_Counters_FailedDataSetM
```

[illegible]

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PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_LiveValues_MessageSeque
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_LiveValues_MessageSeque
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_LiveValues_MinorVersion
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_LiveValues_MinorVersion
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_LiveValues_StatusCode =
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_LiveValues_StatusCode_D
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_Reset = 18883
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_SubError = 18884
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_TotalError = 18878
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_TotalError_Active = 188
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_TotalError_Classificati
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_TotalError_DiagnosticsL
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_TotalError_TimeFirstChar
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_TotalInformation = 1887
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_TotalInformation_Active
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_TotalInformation_Classi
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_TotalInformation_Diagno
PublishedDataSetType_DataSetWriterName_Placeholder_Diagnostics_TotalInformation_TimeFi
PublishedDataSetType_DataSetWriterName_Placeholder_KeyFrameCount = 16731
PublishedDataSetType_DataSetWriterName_Placeholder_MessageSettings = 16758
PublishedDataSetType_DataSetWriterName_Placeholder_Status = 15223
PublishedDataSetType_DataSetWriterName_Placeholder_Status_Disable = 15226
PublishedDataSetType_DataSetWriterName_Placeholder_Status_Enable = 15225
PublishedDataSetType_DataSetWriterName_Placeholder_Status_State = 15224
PublishedDataSetType_DataSetWriterName_Placeholder_TransportSettings = 15227
PublishedDataSetType_ExtensionFields = 15481
PublishedDataSetType_ExtensionFields_AddExtensionField = 15482
PublishedDataSetType_ExtensionFields_AddExtensionField_InputArguments = 15483
PublishedDataSetType_ExtensionFields_AddExtensionField_OutputArguments = 15484
PublishedDataSetType_ExtensionFields_RemoveExtensionField = 15485
PublishedDataSetType_ExtensionFields_RemoveExtensionField_InputArguments = 15486
PublishedEventsDataType = 15582
PublishedEventsDataType-Encoding_DefaultBinary = 15681
PublishedEventsDataType-Encoding_DefaultJson = 16155
PublishedEventsDataType-Encoding_DefaultXml = 15954
PublishedEventsType = 14572
```



```
PublishedEventsTypeModifyFieldSelectionMethodType = 15054
PublishedEventsTypeModifyFieldSelectionMethodType_InputArguments = 15055
PublishedEventsTypeModifyFieldSelectionMethodType_OutputArguments = 15518
PublishedEventsType_ConfigurationVersion = 14582
PublishedEventsType_DataSetClassId = 16841
PublishedEventsType_DataSetMetaData = 15245
PublishedEventsType_DataSetWriterName_Placeholder = 15238
PublishedEventsType_DataSetWriterName_Placeholder_DataSetFieldContentMask = 16802
PublishedEventsType_DataSetWriterName_Placeholder_DataSetWriterId = 16801
PublishedEventsType_DataSetWriterName_Placeholder_DataSetWriterProperties = 17484
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics = 18989
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters = 19003
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_FailedDataSetMe
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_FailedDataSetMe
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_FailedDataSetMe
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_FailedDataSetMe
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_FailedDataSetMe
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateDisabledBy
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateDisabledBy
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateDisabledBy
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateDisabledBy
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateError = 19
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateError_Acti
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateError_Clas
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateError_Diag
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateError_Time
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateOperationa
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateOperationa
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateOperationa
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateOperationa
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateOperationa
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateOperationa
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateOperationa
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateOperationa
PublishedEventsType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateOperationa
```

PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperational  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperational  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperational  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperational  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperational  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperational  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StatePausedByPa  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StatePausedByPa  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StatePausedByPa  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StatePausedByPa  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StatePausedByPa  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_DiagnosticsLevel = 18990  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues = 19034  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_MajorVersion =  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_MajorVersion =  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_MessageSequen  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_MessageSequen  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_MinorVersion =  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_MinorVersion =  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_StatusCode =  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_StatusCode Di  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_Reset = 19001  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_SubError = 19002  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalError = 18996  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalError\_Active = 1899  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalError\_Classificatio  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalError\_DiagnosticsLe  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalError\_TimeFirstChan  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalInformation = 18991  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalInformation\_Active =  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalInformation\_Classif  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalInformation\_Diagnos  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalInformation\_TimeFir  
PublishedEventsType\_DataSetWriterName\_Placeholder\_KeyFrameCount = 16812  
PublishedEventsType\_DataSetWriterName\_Placeholder\_MessageSettings = 16840  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Status = 15239

PublishedEventsType\_DataSetWriterName\_Placeholder\_Status\_Disable = 15242  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Status\_Enable = 15241  
PublishedEventsType\_DataSetWriterName\_Placeholder\_Status\_State = 15240  
PublishedEventsType\_DataSetWriterName\_Placeholder\_TransportSettings = 15243  
PublishedEventsType\_ExtensionFields = 15511  
PublishedEventsType\_ExtensionFields\_AddExtensionField = 15512  
PublishedEventsType\_ExtensionFields\_AddExtensionField\_InputArguments = 15513  
PublishedEventsType\_ExtensionFields\_AddExtensionField\_OutputArguments = 15514  
PublishedEventsType\_ExtensionFields\_RemoveExtensionField = 15515  
PublishedEventsType\_ExtensionFields\_RemoveExtensionField\_InputArguments = 15516  
PublishedEventsType\_Filter = 14588  
PublishedEventsType\_ModifyFieldSelection = 15052  
PublishedEventsType\_ModifyFieldSelection\_InputArguments = 15053  
PublishedEventsType\_ModifyFieldSelection\_OutputArguments = 15517  
PublishedEventsType\_PubSubEventNotifier = 14586  
PublishedEventsType\_SelectedFields = 14587  
PublishedVariableDataType = 14273  
PublishedVariableDataType\_Encoding\_DefaultBinary = 14323  
PublishedVariableDataType\_Encoding\_DefaultJson = 15060  
PublishedVariableDataType\_Encoding\_DefaultXml = 14319  
QualifiedName = 20  
QueryDataDescription = 570  
QueryDataDescription\_Encoding\_DefaultBinary = 572  
QueryDataDescription\_Encoding\_DefaultJson = 15200  
QueryDataDescription\_Encoding\_DefaultXml = 571  
QueryDataSet = 577  
QueryDataSet\_Encoding\_DefaultBinary = 579  
QueryDataSet\_Encoding\_DefaultJson = 15202  
QueryDataSet\_Encoding\_DefaultXml = 578  
QueryFirstRequest = 613  
QueryFirstRequest\_Encoding\_DefaultBinary = 615  
QueryFirstRequest\_Encoding\_DefaultJson = 15244  
QueryFirstRequest\_Encoding\_DefaultXml = 614  
QueryFirstResponse = 616  
QueryFirstResponse\_Encoding\_DefaultBinary = 618  
QueryFirstResponse\_Encoding\_DefaultJson = 15252

```
QueryFirstResponse_Encoding_DefaultXml = 617
QueryNextRequest = 619
QueryNextRequest_Encoding_DefaultBinary = 621
QueryNextRequest_Encoding_DefaultJson = 15254
QueryNextRequest_Encoding_DefaultXml = 620
QueryNextResponse = 622
QueryNextResponse_Encoding_DefaultBinary = 624
QueryNextResponse_Encoding_DefaultJson = 15255
QueryNextResponse_Encoding_DefaultXml = 623
Range = 884
Range_Encoding_DefaultBinary = 886
Range_Encoding_DefaultJson = 15375
Range_Encoding_DefaultXml = 885
ReadAtTimeDetails = 653
ReadAtTimeDetails_Encoding_DefaultBinary = 655
ReadAtTimeDetails_Encoding_DefaultJson = 15269
ReadAtTimeDetails_Encoding_DefaultXml = 654
ReadEventDetails = 644
ReadEventDetails_Encoding_DefaultBinary = 646
ReadEventDetails_Encoding_DefaultJson = 15262
ReadEventDetails_Encoding_DefaultXml = 645
ReadMethodType = 11743
ReadMethodType_InputArguments = 11744
ReadMethodType_OutputArguments = 11745
ReadProcessedDetails = 650
ReadProcessedDetails_Encoding_DefaultBinary = 652
ReadProcessedDetails_Encoding_DefaultJson = 15264
ReadProcessedDetails_Encoding_DefaultXml = 651
ReadRawModifiedDetails = 647
ReadRawModifiedDetails_Encoding_DefaultBinary = 649
ReadRawModifiedDetails_Encoding_DefaultJson = 15263
ReadRawModifiedDetails_Encoding_DefaultXml = 648
ReadRequest = 629
ReadRequest_Encoding_DefaultBinary = 631
ReadRequest_Encoding_DefaultJson = 15257
ReadRequest_Encoding_DefaultXml = 630
```

```
ReadResponse = 632
ReadResponse_Encoding_DefaultBinary = 634
ReadResponse_Encoding_DefaultJson = 15258
ReadResponse_Encoding_DefaultXml = 633
ReadValueId = 626
ReadValueId_Encoding_DefaultBinary = 628
ReadValueId_Encoding_DefaultJson = 15256
ReadValueId_Encoding_DefaultXml = 627
ReaderGroupDataType = 15520
ReaderGroupDataType_Encoding_DefaultBinary = 21153
ReaderGroupDataType_Encoding_DefaultJson = 21201
ReaderGroupDataType_Encoding_DefaultXml = 21177
ReaderGroupMessageDataType = 15622
ReaderGroupMessageDataType_Encoding_DefaultBinary = 15702
ReaderGroupMessageDataType_Encoding_DefaultJson = 16285
ReaderGroupMessageDataType_Encoding_DefaultXml = 15996
ReaderGroupMessageType = 21091
ReaderGroupTransportDataType = 15621
ReaderGroupTransportDataType_Encoding_DefaultBinary = 15701
ReaderGroupTransportDataType_Encoding_DefaultJson = 16284
ReaderGroupTransportDataType_Encoding_DefaultXml = 15995
ReaderGroupTransportType = 21090
ReaderGroupType = 17999
ReaderGroupType_AddDataSetReader = 21082
ReaderGroupType_AddDataSetReader_InputArguments = 21083
ReaderGroupType_AddDataSetReader_OutputArguments = 21084
ReaderGroupType_DataSetReaderName_Placeholder = 18076
ReaderGroupType_DataSetReaderName_Placeholder_CreateDataSetMirror = 21012
ReaderGroupType_DataSetReaderName_Placeholder_CreateDataSetMirror_InputArguments = 21013
ReaderGroupType_DataSetReaderName_Placeholder_CreateDataSetMirror_OutputArguments = 21014
ReaderGroupType_DataSetReaderName_Placeholder_CreateTargetVariables = 21009
ReaderGroupType_DataSetReaderName_Placeholder_CreateTargetVariables_InputArguments = 21010
ReaderGroupType_DataSetReaderName_Placeholder_CreateTargetVariables_OutputArguments = 21011
ReaderGroupType_DataSetReaderName_Placeholder_DataSetFieldContentMask = 18081
ReaderGroupType_DataSetReaderName_Placeholder_DataSetMetaData = 18080
ReaderGroupType_DataSetReaderName_Placeholder_DataSetReaderProperties = 17492
```



ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_Counters\_StateOperationalFrom  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_Counters\_StateOperationalFrom  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_Counters\_StatePausedByParent  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_Counters\_StatePausedByParent  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_Counters\_StatePausedByParent  
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ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_Counters\_StatePausedByParent  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_DiagnosticsLevel = 18093  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_LiveValues = 18137  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_LiveValues\_MajorVersion = 18  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_LiveValues\_MajorVersion\_Diag  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_LiveValues\_MessageSequenceNum  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_LiveValues\_MessageSequenceNum  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_LiveValues\_MinorVersion = 18  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_LiveValues\_MinorVersion\_Diag  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_LiveValues\_SecurityTokenID =  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_LiveValues\_SecurityTokenID\_D  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_LiveValues\_StatusCode = 1815  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_LiveValues\_StatusCode\_Diagno  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_LiveValues\_TimeToNextTokenID  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_LiveValues\_TimeToNextTokenID  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_Reset = 18104  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_SubError = 18105  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_TotalError = 18099  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_TotalError\_Active = 18100  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_TotalError\_Classification =  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_TotalError\_DiagnosticsLevel  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_TotalError\_TimeFirstChange =  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_TotalInformation = 18094  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_TotalInformation\_Active = 18  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_TotalInformation\_Classificat  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_TotalInformation\_Diagnostics  
ReaderGroupType\_DataSetReaderName\_Placeholder\_Diagnostics\_TotalInformation\_TimeFirstCh  
ReaderGroupType\_DataSetReaderName\_Placeholder\_MessageReceiveTimeout = 18082  
ReaderGroupType\_DataSetReaderName\_Placeholder\_MessageSettings = 18087  
ReaderGroupType\_DataSetReaderName\_Placeholder\_PublisherId = 18077

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ReaderGroupType_DataSetReaderName_Placeholder_SecurityGroupId = 18084
ReaderGroupType_DataSetReaderName_Placeholder_SecurityKeyServices = 18085
ReaderGroupType_DataSetReaderName_Placeholder_SecurityMode = 18083
ReaderGroupType_DataSetReaderName_Placeholder_Status = 18088
ReaderGroupType_DataSetReaderName_Placeholder_Status_Disable = 18091
ReaderGroupType_DataSetReaderName_Placeholder_Status_Enable = 18090
ReaderGroupType_DataSetReaderName_Placeholder_Status_State = 18089
ReaderGroupType_DataSetReaderName_Placeholder_SubscribedDataSet = 21006
ReaderGroupType_DataSetReaderName_Placeholder_SubscribedDataSet_DataSetMetaData = 21007
ReaderGroupType_DataSetReaderName_Placeholder_SubscribedDataSet_MessageReceiveTimeout = 21008
ReaderGroupType_DataSetReaderName_Placeholder_TransportSettings = 18086
ReaderGroupType_DataSetReaderName_Placeholder_WriterGroupId = 18078
ReaderGroupType_Diagnostics = 21015
ReaderGroupType_Diagnostics_Counters = 21029
ReaderGroupType_Diagnostics_Counters_DecryptionErrors = 21071
ReaderGroupType_Diagnostics_Counters_DecryptionErrors_Active = 21072
ReaderGroupType_Diagnostics_Counters_DecryptionErrors_Classification = 21073
ReaderGroupType_Diagnostics_Counters_DecryptionErrors_DiagnosticsLevel = 21074
ReaderGroupType_Diagnostics_Counters_DecryptionErrors_TimeFirstChange = 21075
ReaderGroupType_Diagnostics_Counters_ReceivedInvalidNetworkMessages = 21066
ReaderGroupType_Diagnostics_Counters_ReceivedInvalidNetworkMessages_Active = 21067
ReaderGroupType_Diagnostics_Counters_ReceivedInvalidNetworkMessages_Classification = 21068
ReaderGroupType_Diagnostics_Counters_ReceivedInvalidNetworkMessages_DiagnosticsLevel = 21069
ReaderGroupType_Diagnostics_Counters_ReceivedInvalidNetworkMessages_TimeFirstChange = 21070
ReaderGroupType_Diagnostics_Counters_ReceivedNetworkMessages = 21061
ReaderGroupType_Diagnostics_Counters_ReceivedNetworkMessages_Active = 21062
ReaderGroupType_Diagnostics_Counters_ReceivedNetworkMessages_Classification = 21063
ReaderGroupType_Diagnostics_Counters_ReceivedNetworkMessages_DiagnosticsLevel = 21064
ReaderGroupType_Diagnostics_Counters_ReceivedNetworkMessages_TimeFirstChange = 21065
ReaderGroupType_Diagnostics_Counters_StateDisabledByMethod = 21055
ReaderGroupType_Diagnostics_Counters_StateDisabledByMethod_Active = 21056
ReaderGroupType_Diagnostics_Counters_StateDisabledByMethod_Classification = 21057
ReaderGroupType_Diagnostics_Counters_StateDisabledByMethod_DiagnosticsLevel = 21058
ReaderGroupType_Diagnostics_Counters_StateDisabledByMethod_TimeFirstChange = 21059
ReaderGroupType_Diagnostics_Counters_StateError = 21030
ReaderGroupType_Diagnostics_Counters_StateError_Active = 21031
```



ReaderGroupType\_Diagnostics\_Counters\_StateError\_Classification = 21032  
ReaderGroupType\_Diagnostics\_Counters\_StateError\_DiagnosticsLevel = 21033  
ReaderGroupType\_Diagnostics\_Counters\_StateError\_TimeFirstChange = 21034  
ReaderGroupType\_Diagnostics\_Counters\_StateOperationalByMethod = 21035  
ReaderGroupType\_Diagnostics\_Counters\_StateOperationalByMethod\_Active = 21036  
ReaderGroupType\_Diagnostics\_Counters\_StateOperationalByMethod\_Classification = 21037  
ReaderGroupType\_Diagnostics\_Counters\_StateOperationalByMethod\_DiagnosticsLevel = 21038  
ReaderGroupType\_Diagnostics\_Counters\_StateOperationalByMethod\_TimeFirstChange = 21039  
ReaderGroupType\_Diagnostics\_Counters\_StateOperationalByParent = 21040  
ReaderGroupType\_Diagnostics\_Counters\_StateOperationalByParent\_Active = 21041  
ReaderGroupType\_Diagnostics\_Counters\_StateOperationalByParent\_Classification = 21042  
ReaderGroupType\_Diagnostics\_Counters\_StateOperationalByParent\_DiagnosticsLevel = 21043  
ReaderGroupType\_Diagnostics\_Counters\_StateOperationalByParent\_TimeFirstChange = 21044  
ReaderGroupType\_Diagnostics\_Counters\_StateOperationalFromError = 21045  
ReaderGroupType\_Diagnostics\_Counters\_StateOperationalFromError\_Active = 21046  
ReaderGroupType\_Diagnostics\_Counters\_StateOperationalFromError\_Classification = 21047  
ReaderGroupType\_Diagnostics\_Counters\_StateOperationalFromError\_DiagnosticsLevel = 21048  
ReaderGroupType\_Diagnostics\_Counters\_StateOperationalFromError\_TimeFirstChange = 21049  
ReaderGroupType\_Diagnostics\_Counters\_StatePausedByParent = 21050  
ReaderGroupType\_Diagnostics\_Counters\_StatePausedByParent\_Active = 21051  
ReaderGroupType\_Diagnostics\_Counters\_StatePausedByParent\_Classification = 21052  
ReaderGroupType\_Diagnostics\_Counters\_StatePausedByParent\_DiagnosticsLevel = 21053  
ReaderGroupType\_Diagnostics\_Counters\_StatePausedByParent\_TimeFirstChange = 21054  
ReaderGroupType\_Diagnostics\_DiagnosticsLevel = 21016  
ReaderGroupType\_Diagnostics\_LiveValues = 21060  
ReaderGroupType\_Diagnostics\_LiveValues\_ConfiguredDataSetReaders = 21076  
ReaderGroupType\_Diagnostics\_LiveValues\_ConfiguredDataSetReaders\_DiagnosticsLevel = 21077  
ReaderGroupType\_Diagnostics\_LiveValues\_OperationalDataSetReaders = 21078  
ReaderGroupType\_Diagnostics\_LiveValues\_OperationalDataSetReaders\_DiagnosticsLevel = 21079  
ReaderGroupType\_Diagnostics\_Reset = 21027  
ReaderGroupType\_Diagnostics\_SubError = 21028  
ReaderGroupType\_Diagnostics\_TotalError = 21022  
ReaderGroupType\_Diagnostics\_TotalError\_Active = 21023  
ReaderGroupType\_Diagnostics\_TotalError\_Classification = 21024  
ReaderGroupType\_Diagnostics\_TotalError\_DiagnosticsLevel = 21025  
ReaderGroupType\_Diagnostics\_TotalError\_TimeFirstChange = 21026

```
ReaderGroupType_Diagnostics_TotalInformation = 21017
ReaderGroupType_Diagnostics_TotalInformation_Active = 21018
ReaderGroupType_Diagnostics_TotalInformation_Classification = 21019
ReaderGroupType_Diagnostics_TotalInformation_DiagnosticsLevel = 21020
ReaderGroupType_Diagnostics_TotalInformation_TimeFirstChange = 21021
ReaderGroupType_GroupProperties = 17491
ReaderGroupType_MaxNetworkMessageSize = 18065
ReaderGroupType_MessageSettings = 21081
ReaderGroupType_RemoveDataSetReader = 21085
ReaderGroupType_RemoveDataSetReader_InputArguments = 21086
ReaderGroupType_SecurityGroupId = 18002
ReaderGroupType_SecurityKeyServices = 18003
ReaderGroupType_SecurityMode = 18000
ReaderGroupType_Status = 18067
ReaderGroupType_Status_Disable = 18075
ReaderGroupType_Status_Enable = 18074
ReaderGroupType_Status_State = 18068
ReaderGroupType_TransportSettings = 21080
RedundancySupport = 851
RedundancySupport_EnumStrings = 7611
RedundantServerDataType = 853
RedundantServerDataType_Encoding_DefaultBinary = 855
RedundantServerDataType_Encoding_DefaultJson = 15362
RedundantServerDataType_Encoding_DefaultXml = 854
ReferenceDescription = 518
ReferenceDescription_Encoding_DefaultBinary = 520
ReferenceDescription_Encoding_DefaultJson = 15182
ReferenceDescription_Encoding_DefaultXml = 519
ReferenceNode = 285
ReferenceNode_Encoding_DefaultBinary = 287
ReferenceNode_Encoding_DefaultJson = 15080
ReferenceNode_Encoding_DefaultXml = 286
ReferenceTypeAttributes = 367
ReferenceTypeAttributes_Encoding_DefaultBinary = 369
ReferenceTypeAttributes_Encoding_DefaultJson = 15160
ReferenceTypeAttributes_Encoding_DefaultXml = 368
```

```
ReferenceTypeNode = 273
ReferenceTypeNode_Encoding_DefaultBinary = 275
ReferenceTypeNode_Encoding_DefaultJson = 15076
ReferenceTypeNode_Encoding_DefaultXml = 274
ReferenceTypesFolder = 91
References = 31
RefreshEndEventType = 2788
RefreshEndEventType_EventId = 3978
RefreshEndEventType_EventType = 3979
RefreshEndEventType_LocalTime = 3984
RefreshEndEventType_Message = 3985
RefreshEndEventType_ReceiveTime = 3983
RefreshEndEventType_Severity = 3986
RefreshEndEventType_SourceName = 3981
RefreshEndEventType_SourceNode = 3980
RefreshEndEventType_Time = 3982
RefreshRequiredEventType = 2789
RefreshRequiredEventType_EventId = 3987
RefreshRequiredEventType_EventType = 3988
RefreshRequiredEventType_LocalTime = 3993
RefreshRequiredEventType_Message = 3994
RefreshRequiredEventType_ReceiveTime = 3992
RefreshRequiredEventType_Severity = 3995
RefreshRequiredEventType_SourceName = 3990
RefreshRequiredEventType_SourceNode = 3989
RefreshRequiredEventType_Time = 3991
RefreshStartEventType = 2787
RefreshStartEventType_EventId = 3969
RefreshStartEventType_EventType = 3970
RefreshStartEventType_LocalTime = 3975
RefreshStartEventType_Message = 3976
RefreshStartEventType_ReceiveTime = 3974
RefreshStartEventType_Severity = 3977
RefreshStartEventType_SourceName = 3972
RefreshStartEventType_SourceNode = 3971
RefreshStartEventType_Time = 3973
```

```
RegisterNodesRequest = 558
RegisterNodesRequest_Encoding_DefaultBinary = 560
RegisterNodesRequest_Encoding_DefaultJson = 15195
RegisterNodesRequest_Encoding_DefaultXml = 559
RegisterNodesResponse = 561
RegisterNodesResponse_Encoding_DefaultBinary = 563
RegisterNodesResponse_Encoding_DefaultJson = 15196
RegisterNodesResponse_Encoding_DefaultXml = 562
RegisterServer2Request = 12193
RegisterServer2Request_Encoding_DefaultBinary = 12211
RegisterServer2Request_Encoding_DefaultJson = 15107
RegisterServer2Request_Encoding_DefaultXml = 12199
RegisterServer2Response = 12194
RegisterServer2Response_Encoding_DefaultBinary = 12212
RegisterServer2Response_Encoding_DefaultJson = 15130
RegisterServer2Response_Encoding_DefaultXml = 12200
RegisterServerRequest = 435
RegisterServerRequest_Encoding_DefaultBinary = 437
RegisterServerRequest_Encoding_DefaultJson = 15103
RegisterServerRequest_Encoding_DefaultXml = 436
RegisterServerResponse = 438
RegisterServerResponse_Encoding_DefaultBinary = 440
RegisterServerResponse_Encoding_DefaultJson = 15104
RegisterServerResponse_Encoding_DefaultXml = 439
RegisteredServer = 432
RegisteredServer_Encoding_DefaultBinary = 434
RegisteredServer_Encoding_DefaultJson = 15102
RegisteredServer_Encoding_DefaultXml = 433
RelativePath = 540
RelativePathElement = 537
RelativePathElement_Encoding_DefaultBinary = 539
RelativePathElement_Encoding_DefaultJson = 15188
RelativePathElement_Encoding_DefaultXml = 538
RelativePath_Encoding_DefaultBinary = 542
RelativePath_Encoding_DefaultJson = 15189
RelativePath_Encoding_DefaultXml = 541
```

```
RemoveApplicationMethodType = 16186
RemoveApplicationMethodType_InputArguments = 16187
RemoveCertificateMethodType = 12520
RemoveCertificateMethodType_InputArguments = 12521
RemoveConnectionMethodType = 14183
RemoveConnectionMethodType_InputArguments = 14184
RemoveDataSetFolderMethodType = 17079
RemoveDataSetFolderMethodType_InputArguments = 17201
RemoveEndpointMethodType = 16190
RemoveEndpointMethodType_InputArguments = 16191
RemoveExtensionFieldMethodType = 15499
RemoveExtensionFieldMethodType_InputArguments = 15500
RemoveIdentityMethodType = 15638
RemoveIdentityMethodType_InputArguments = 15639
RemovePublishedDataSetMethodType = 14507
RemovePublishedDataSetMethodType_InputArguments = 14508
RemoveRoleMethodType = 16005
RemoveRoleMethodType_InputArguments = 16006
RemoveSecurityGroupMethodType = 15469
RemoveSecurityGroupMethodType_InputArguments = 15470
RepublishRequest = 830
RepublishRequest_Encoding_DefaultBinary = 832
RepublishRequest_Encoding_DefaultJson = 15354
RepublishRequest_Encoding_DefaultXml = 831
RepublishResponse = 833
RepublishResponse_Encoding_DefaultBinary = 835
RepublishResponse_Encoding_DefaultJson = 15355
RepublishResponse_Encoding_DefaultXml = 834
RequestHeader = 389
RequestHeader_Encoding_DefaultBinary = 391
RequestHeader_Encoding_DefaultJson = 15088
RequestHeader_Encoding_DefaultXml = 390
RequestServerStateChangeMethodType = 12888
RequestServerStateChangeMethodType_InputArguments = 12889
ResendDataMethodType = 12875
ResendDataMethodType_InputArguments = 12876
```

```
ResponseHeader = 392
ResponseHeader_Encoding_DefaultBinary = 394
ResponseHeader_Encoding_DefaultJson = 15089
ResponseHeader_Encoding_DefaultXml = 393
RoleMappingRuleChangedAuditEventType = 17641
RoleMappingRuleChangedAuditEventType_ActionTimeStamp = 17651
RoleMappingRuleChangedAuditEventType_ClientAuditEntryId = 17654
RoleMappingRuleChangedAuditEventType_ClientUserId = 17655
RoleMappingRuleChangedAuditEventType_EventId = 17642
RoleMappingRuleChangedAuditEventType_EventType = 17643
RoleMappingRuleChangedAuditEventType_InputArguments = 17657
RoleMappingRuleChangedAuditEventType_LocalTime = 17648
RoleMappingRuleChangedAuditEventType_Message = 17649
RoleMappingRuleChangedAuditEventType_MethodId = 17656
RoleMappingRuleChangedAuditEventType_ReceiveTime = 17647
RoleMappingRuleChangedAuditEventType_ServerId = 17653
RoleMappingRuleChangedAuditEventType_Severity = 17650
RoleMappingRuleChangedAuditEventType_SourceName = 17645
RoleMappingRuleChangedAuditEventType_SourceNode = 17644
RoleMappingRuleChangedAuditEventType_Status = 17652
RoleMappingRuleChangedAuditEventType_Time = 17646
RolePermissionType = 96
RolePermissionType_Encoding_DefaultBinary = 128
RolePermissionType_Encoding_DefaultJson = 15062
RolePermissionType_Encoding_DefaultXml = 16126
RoleSetType = 15607
RoleSetType_AddRole = 15997
RoleSetType_AddRole_InputArguments = 15998
RoleSetType_AddRole_OutputArguments = 15999
RoleSetType_RemoveRole = 16000
RoleSetType_RemoveRole_InputArguments = 16001
RoleSetType_RoleName_Placeholder = 15608
RoleSetType_RoleName_Placeholder_AddApplication = 16165
RoleSetType_RoleName_Placeholder_AddApplication_InputArguments = 16166
RoleSetType_RoleName_Placeholder_AddEndpoint = 16169
RoleSetType_RoleName_Placeholder_AddEndpoint_InputArguments = 16170
```

```
RoleSetType_RoleName_Placeholder_AddIdentity = 15612
RoleSetType_RoleName_Placeholder_AddIdentity_InputArguments = 15613
RoleSetType_RoleName_Placeholder_Applications = 16163
RoleSetType_RoleName_Placeholder_ApplicationsExclude = 15408
RoleSetType_RoleName_Placeholder_Endpoints = 16164
RoleSetType_RoleName_Placeholder_EndpointsExclude = 15409
RoleSetType_RoleName_Placeholder_Identities = 16162
RoleSetType_RoleName_Placeholder_RemoveApplication = 16167
RoleSetType_RoleName_Placeholder_RemoveApplication_InputArguments = 16168
RoleSetType_RoleName_Placeholder_RemoveEndpoint = 16171
RoleSetType_RoleName_Placeholder_RemoveEndpoint_InputArguments = 16172
RoleSetType_RoleName_Placeholder_RemoveIdentity = 15614
RoleSetType_RoleName_Placeholder_RemoveIdentity_InputArguments = 15615
RoleType = 15620
RoleType_AddApplication = 16176
RoleType_AddApplication_InputArguments = 16177
RoleType_AddEndpoint = 16180
RoleType_AddEndpoint_InputArguments = 16181
RoleType_AddIdentity = 15624
RoleType_AddIdentity_InputArguments = 15625
RoleType_Applications = 16174
RoleType_ApplicationsExclude = 15410
RoleType_Endpoints = 16175
RoleType_EndpointsExclude = 15411
RoleType_Identities = 16173
RoleType_RemoveApplication = 16178
RoleType_RemoveApplication_InputArguments = 16179
RoleType_RemoveEndpoint = 16182
RoleType_RemoveEndpoint_InputArguments = 16183
RoleType_RemoveIdentity = 15626
RoleType_RemoveIdentity_InputArguments = 15627
RootFolder = 84
RsaMinApplicationCertificateType = 12559
RsaSha256ApplicationCertificateType = 12560
SByte = 2
SafetyConditionClassType = 17218
```

```
SamplingIntervalDiagnosticsArrayType = 2164
SamplingIntervalDiagnosticsArrayType_SamplingIntervalDiagnostics = 12779
SamplingIntervalDiagnosticsArrayType_SamplingIntervalDiagnostics_DisabledMonitoredItem
SamplingIntervalDiagnosticsArrayType_SamplingIntervalDiagnostics_MaxSampledMonitoredIt
SamplingIntervalDiagnosticsArrayType_SamplingIntervalDiagnostics_SampledMonitoredItems
SamplingIntervalDiagnosticsArrayType_SamplingIntervalDiagnostics_SamplingInterval = 12
SamplingIntervalDiagnosticsDataType = 856
SamplingIntervalDiagnosticsDataType_Encoding_DefaultBinary = 858
SamplingIntervalDiagnosticsDataType_Encoding_DefaultJson = 15365
SamplingIntervalDiagnosticsDataType_Encoding_DefaultXml = 857
SamplingIntervalDiagnosticsType = 2165
SamplingIntervalDiagnosticsType_DisabledMonitoredItemsSamplingCount = 11699
SamplingIntervalDiagnosticsType_MaxSampledMonitoredItemsCount = 11698
SamplingIntervalDiagnosticsType_SampledMonitoredItemsCount = 11697
SamplingIntervalDiagnosticsType_SamplingInterval = 2166
SecurityGroupFolderType = 15452
SecurityGroupFolderType_AddSecurityGroup = 15461
SecurityGroupFolderType_AddSecurityGroup_InputArguments = 15462
SecurityGroupFolderType_AddSecurityGroup_OutputArguments = 15463
SecurityGroupFolderType_RemoveSecurityGroup = 15464
SecurityGroupFolderType_RemoveSecurityGroup_InputArguments = 15465
SecurityGroupFolderType_SecurityGroupFolderName_Placeholder = 15453
SecurityGroupFolderType_SecurityGroupFolderName_Placeholder_AddSecurityGroup = 15454
SecurityGroupFolderType_SecurityGroupFolderName_Placeholder_AddSecurityGroup_InputArgum
SecurityGroupFolderType_SecurityGroupFolderName_Placeholder_AddSecurityGroup_OutputArgu
SecurityGroupFolderType_SecurityGroupFolderName_Placeholder_RemoveSecurityGroup = 1545
SecurityGroupFolderType_SecurityGroupFolderName_Placeholder_RemoveSecurityGroup_InputA
SecurityGroupFolderType_SecurityGroupName_Placeholder = 15459
SecurityGroupFolderType_SecurityGroupName_Placeholder_KeyLifetime = 15010
SecurityGroupFolderType_SecurityGroupName_Placeholder_MaxFutureKeyCount = 15012
SecurityGroupFolderType_SecurityGroupName_Placeholder_MaxPastKeyCount = 15043
SecurityGroupFolderType_SecurityGroupName_Placeholder_SecurityGroupId = 15460
SecurityGroupFolderType_SecurityGroupName_Placeholder_SecurityPolicyUri = 15011
SecurityGroupType = 15471
SecurityGroupType_KeyLifetime = 15046
SecurityGroupType_MaxFutureKeyCount = 15048
```



```
SecurityGroupType_MaxPastKeyCount = 15056
SecurityGroupType_SecurityGroupId = 15472
SecurityGroupType_SecurityPolicyUri = 15047
SecurityTokenType = 315
SecurityTokenType_EnumStrings = 7598
SelectionListType = 16309
SelectionListType_RestrictToList = 16312
SelectionListType_SelectionDescriptions = 17633
SelectionListType_Selections = 17632
SemanticChangeEventType = 2738
SemanticChangeEventType_Changes = 2739
SemanticChangeEventType_EventId = 3689
SemanticChangeEventType_EventType = 3690
SemanticChangeEventType_LocalTime = 3695
SemanticChangeEventType_Message = 3696
SemanticChangeEventType_ReceiveTime = 3694
SemanticChangeEventType_Severity = 3697
SemanticChangeEventType_SourceName = 3692
SemanticChangeEventType_SourceNode = 3691
SemanticChangeEventType_Time = 3693
SemanticChangeStructureDataType = 897
SemanticChangeStructureDataType-Encoding_DefaultBinary = 899
SemanticChangeStructureDataType-Encoding_DefaultJson = 15374
SemanticChangeStructureDataType-Encoding_DefaultXml = 898
Server = 2253
ServerCapabilitiesType = 2013
ServerCapabilitiesType_AggregateFunctions = 2754
ServerCapabilitiesType_LocaleIdArray = 2016
ServerCapabilitiesType_MaxArrayLength = 11549
ServerCapabilitiesType_MaxBrowseContinuationPoints = 2732
ServerCapabilitiesType_MaxByteStringLength = 12910
ServerCapabilitiesType_MaxHistoryContinuationPoints = 2734
ServerCapabilitiesType_MaxQueryContinuationPoints = 2733
ServerCapabilitiesType_MaxStringLength = 11550
ServerCapabilitiesType_MinSupportedSampleRate = 2017
ServerCapabilitiesType_ModellingRules = 2019
```

```
ServerCapabilitiesType_OperationLimits = 11551
ServerCapabilitiesType_OperationLimits_MaxMonitoredItemsPerCall = 11561
ServerCapabilitiesType_OperationLimits_MaxNodesPerBrowse = 11557
ServerCapabilitiesType_OperationLimits_MaxNodesPerHistoryReadData = 12157
ServerCapabilitiesType_OperationLimits_MaxNodesPerHistoryReadEvents = 12158
ServerCapabilitiesType_OperationLimits_MaxNodesPerHistoryUpdateData = 12159
ServerCapabilitiesType_OperationLimits_MaxNodesPerHistoryUpdateEvents = 12160
ServerCapabilitiesType_OperationLimits_MaxNodesPerMethodCall = 11556
ServerCapabilitiesType_OperationLimits_MaxNodesPerNodeManagement = 11560
ServerCapabilitiesType_OperationLimits_MaxNodesPerRead = 11552
ServerCapabilitiesType_OperationLimits_MaxNodesPerRegisterNodes = 11558
ServerCapabilitiesType_OperationLimits_MaxNodesPerTranslateBrowsePathsToNodeIds = 11554
ServerCapabilitiesType_OperationLimits_MaxNodesPerWrite = 11554
ServerCapabilitiesType_Roles = 16295
ServerCapabilitiesType_Roles_AddRole = 16296
ServerCapabilitiesType_Roles_AddRole_InputArguments = 16297
ServerCapabilitiesType_Roles_AddRole_OutputArguments = 16298
ServerCapabilitiesType_Roles_RemoveRole = 16299
ServerCapabilitiesType_Roles_RemoveRole_InputArguments = 16300
ServerCapabilitiesType_ServerProfileArray = 2014
ServerCapabilitiesType_SoftwareCertificates = 3049
ServerCapabilitiesType_VendorCapability_Placeholder = 11562
ServerConfiguration = 12637
ServerConfigurationType = 12581
ServerConfigurationType_ApplyChanges = 12734
ServerConfigurationType_CertificateGroups = 13950
ServerConfigurationType_CertificateGroups_DefaultApplicationGroup = 13951
ServerConfigurationType_CertificateGroups_DefaultApplicationGroup_CertificateTypes = 13952
ServerConfigurationType_CertificateGroups_DefaultApplicationGroup_TrustList = 13952
ServerConfigurationType_CertificateGroups_DefaultApplicationGroup_TrustList_AddCertificate = 13953
ServerConfigurationType_CertificateGroups_DefaultApplicationGroup_TrustList_AddCertificate_InputArguments = 13954
ServerConfigurationType_CertificateGroups_DefaultApplicationGroup_TrustList_Close = 13955
ServerConfigurationType_CertificateGroups_DefaultApplicationGroup_TrustList_CloseAndUpdate = 13956
ServerConfigurationType_CertificateGroups_DefaultApplicationGroup_TrustList_CloseAndUpdate_InputArguments = 13957
ServerConfigurationType_CertificateGroups_DefaultApplicationGroup_TrustList_Close_InputArguments = 13958
```

ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_GetPosition  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_GetPosition  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_GetPosition  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_LastUpdate  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_MimeType =  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_Open = 139  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_OpenCount  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_OpenWithMa  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_OpenWithMa  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_OpenWithMa  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_Open\_Input  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_Open\_Output  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_Read = 139  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_Read\_Input  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_Read\_Output  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_RemoveCert  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_RemoveCert  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_SetPosition  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_SetPosition  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_Size = 139  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_UserWritab  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_Writable =  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_Write = 13  
ServerConfigurationType\_CertificateGroups\_DefaultApplicationGroup\_TrustList\_Write\_Input  
ServerConfigurationType\_CertificateGroups\_DefaultHttpsGroup = 13985  
ServerConfigurationType\_CertificateGroups\_DefaultHttpsGroup\_CertificateTypes = 14018  
ServerConfigurationType\_CertificateGroups\_DefaultHttpsGroup\_TrustList = 13986  
ServerConfigurationType\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_AddCertificate =  
ServerConfigurationType\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_AddCertificate\_I  
ServerConfigurationType\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_Close = 13995  
ServerConfigurationType\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_CloseAndUpdate =  
ServerConfigurationType\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_CloseAndUpdate\_I  
ServerConfigurationType\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_CloseAndUpdate\_O  
ServerConfigurationType\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_Close\_InputArgument  
ServerConfigurationType\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_GetPosition = 14  
ServerConfigurationType\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_GetPosition\_Input

```
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_GetPosition_Outp
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_LastUpdateTime =
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_MimeType = 13991
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_Open = 13992
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_OpenCount = 1399
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_OpenWithMasks =
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_OpenWithMasks_Inp
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_OpenWithMasks_Out
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_Open_InputArgument
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_Open_OutputArgument
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_Read = 13997
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_Read_InputArgument
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_Read_OutputArgument
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_RemoveCertificate
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_RemoveCertificate
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_SetPosition = 14
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_SetPosition_Inpu
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_Size = 13987
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_UserWritable = 1
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_Writable = 13988
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_Write = 14000
ServerConfigurationType_CertificateGroups_DefaultHttpsGroup_TrustList_Write_InputArgument
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup = 14019
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_CertificateTypes = 140
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList = 14020
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_AddCertificate
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_AddCertificate
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_Close = 1402
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_CloseAndUpda
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_CloseAndUpda
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_CloseAndUpda
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_Close_InputA
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_GetPosition
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_GetPosition
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_GetPosition
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_LastUpdateTi
```

```
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_MimeType = 1
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_Open = 14026
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_OpenCount = 1
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_OpenWithMask = 1
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_OpenWithMask = 1
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_OpenWithMask = 1
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_Open_InputArguments = 14027
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_Open_OutputArguments = 14028
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_Read = 14031
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_Read_InputArguments = 14032
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_Read_OutputArguments = 14033
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_RemoveCertificate = 14034
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_RemoveCertificate = 14035
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_SetPosition = 14036
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_SetPosition = 14037
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_Size = 14021
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_UserWritable = 14022
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_Writable = 14023
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_Write = 14030
ServerConfigurationType_CertificateGroups_DefaultUserTokenGroup_TrustList_Write_InputArguments = 14031
ServerConfigurationType_CreateSigningRequest = 12731
ServerConfigurationType_CreateSigningRequest_InputArguments = 12732
ServerConfigurationType_CreateSigningRequest_OutputArguments = 12733
ServerConfigurationType_GetRejectedList = 12775
ServerConfigurationType_GetRejectedList_OutputArguments = 12776
ServerConfigurationType_MaxTrustListSize = 12584
ServerConfigurationType_MulticastDnsEnabled = 12585
ServerConfigurationType_ServerCapabilities = 12708
ServerConfigurationType_SupportedPrivateKeyFormats = 12583
ServerConfigurationType_UpdateCertificate = 12616
ServerConfigurationType_UpdateCertificate_InputArguments = 12617
ServerConfigurationType_UpdateCertificate_OutputArguments = 12618
ServerConfigurationType_ApplyChanges = 12740
ServerConfigurationType_CertificateGroups = 14053
ServerConfigurationType_CertificateGroups_DefaultApplicationGroup = 14156
ServerConfigurationType_CertificateGroups_DefaultApplicationGroup_CertificateTypes = 14161
```

```
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList = 12642
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_AddCertificate
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_AddCertificate
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_Close = 12650
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_CloseAndUpdate
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_CloseAndUpdate
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_CloseAndUpdate
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_Close_InputArgu
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_GetPosition =
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_GetPosition_Inp
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_GetPosition_Out
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_LastUpdateTime
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_MimeType = 141
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_Open = 12647
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_OpenCount = 12
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_OpenWithMasks
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_OpenWithMasks
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_OpenWithMasks
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_Open_InputArgu
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_Open_OutputArgu
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_Read = 12652
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_Read_InputArgu
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_Read_OutputArgu
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_RemoveCertific
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_RemoveCertific
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_SetPosition =
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_SetPosition_Inp
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_Size = 12643
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_UserWritable =
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_Writable = 141
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_Write = 12655
ServerConfiguration_CertificateGroups_DefaultApplicationGroup_TrustList_Write_InputArgu
ServerConfiguration_CertificateGroups_DefaultHttpsGroup = 14088
ServerConfiguration_CertificateGroups_DefaultHttpsGroup_CertificateTypes = 14121
ServerConfiguration_CertificateGroups_DefaultHttpsGroup_TrustList = 14089
ServerConfiguration_CertificateGroups_DefaultHttpsGroup_TrustList_AddCertificate = 141
```

ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_AddCertificate\_InputArguments = 14097  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_Close = 14098  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_CloseAndUpdate = 14100  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_CloseAndUpdate\_InputArguments = 14101  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_CloseAndUpdate\_OutputArguments = 14102  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_Close\_InputArguments = 14099  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_GetPosition = 14105  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_GetPosition\_InputArguments = 14106  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_GetPosition\_OutputArguments = 14107  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_LastUpdateTime = 14104  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_MimeType = 14094  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_Open = 14095  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_OpenCount = 14093  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_OpenWithMasks = 14111  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_OpenWithMasks\_InputArguments = 14112  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_OpenWithMasks\_OutputArguments = 14113  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_Open\_InputArguments = 14096  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_Open\_OutputArguments = 14092  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_Read = 14100  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_Read\_InputArguments = 14101  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_Read\_OutputArguments = 14102  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_RemoveCertificate = 14109  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_RemoveCertificate\_InputArguments = 14110  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_SetPosition = 14108  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_SetPosition\_InputArguments = 14109  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_Size = 14090  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_UserWritable = 14092  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_Writable = 14091  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_Write = 14103  
ServerConfiguration\_CertificateGroups\_DefaultHttpsGroup\_TrustList\_Write\_InputArguments = 14104  
ServerConfiguration\_CertificateGroups\_DefaultUserTokenGroup = 14122  
ServerConfiguration\_CertificateGroups\_DefaultUserTokenGroup\_CertificateTypes = 14155  
ServerConfiguration\_CertificateGroups\_DefaultUserTokenGroup\_TrustList = 14123  
ServerConfiguration\_CertificateGroups\_DefaultUserTokenGroup\_TrustList\_AddCertificate = 14131  
ServerConfiguration\_CertificateGroups\_DefaultUserTokenGroup\_TrustList\_AddCertificate\_InputArguments = 14132  
ServerConfiguration\_CertificateGroups\_DefaultUserTokenGroup\_TrustList\_Close = 14132

```
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_CloseAndUpdate =
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_CloseAndUpdate_I
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_CloseAndUpdate_O
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_Close_InputArgument
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_GetPosition = 14
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_GetPosition_Input
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_GetPosition_Outp
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_LastUpdateTime =
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_MimeType = 14128
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_Open = 14129
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_OpenCount = 1412
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_OpenWithMasks =
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_OpenWithMasks_Inp
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_OpenWithMasks_Out
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_Open_InputArgument
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_Open_OutputArgument
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_Read = 14134
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_Read_InputArgument
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_Read_OutputArgument
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_RemoveCertificate
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_RemoveCertificate
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_SetPosition = 14
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_SetPosition_Input
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_Size = 14124
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_UserWritable = 1
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_Writable = 14125
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_Write = 14137
ServerConfiguration_CertificateGroups_DefaultUserTokenGroup_TrustList_Write_InputArgument
ServerConfiguration_CreateSigningRequest = 12737
ServerConfiguration_CreateSigningRequest_InputArguments = 12738
ServerConfiguration_CreateSigningRequest_OutputArguments = 12739
ServerConfiguration_GetRejectedList = 12777
ServerConfiguration_GetRejectedList_OutputArguments = 12778
ServerConfiguration_MaxTrustListSize = 12640
ServerConfiguration_MulticastDnsEnabled = 12641
ServerConfiguration_ServerCapabilities = 12710
```



```
ServerConfiguration_SupportedPrivateKeyFormats = 12639
ServerConfiguration_UpdateCertificate = 13737
ServerConfiguration_UpdateCertificate_InputArguments = 13738
ServerConfiguration_UpdateCertificate_OutputArguments = 13739
ServerDiagnosticsSummaryDataType = 859
ServerDiagnosticsSummaryDataType_Encoding_DefaultBinary = 861
ServerDiagnosticsSummaryDataType_Encoding_DefaultJson = 15366
ServerDiagnosticsSummaryDataType_Encoding_DefaultXml = 860
ServerDiagnosticsSummaryType = 2150
ServerDiagnosticsSummaryType_CumulatedSessionCount = 2153
ServerDiagnosticsSummaryType_CumulatedSubscriptionCount = 2161
ServerDiagnosticsSummaryType_CurrentSessionCount = 2152
ServerDiagnosticsSummaryType_CurrentSubscriptionCount = 2160
ServerDiagnosticsSummaryType_PublishingIntervalCount = 2159
ServerDiagnosticsSummaryType_RejectedRequestsCount = 2163
ServerDiagnosticsSummaryType_RejectedSessionCount = 2155
ServerDiagnosticsSummaryType_SecurityRejectedRequestsCount = 2162
ServerDiagnosticsSummaryType_SecurityRejectedSessionCount = 2154
ServerDiagnosticsSummaryType_ServerViewCount = 2151
ServerDiagnosticsSummaryType_SessionAbortCount = 2157
ServerDiagnosticsSummaryType_SessionTimeoutCount = 2156
ServerDiagnosticsType = 2020
ServerDiagnosticsType_EnabledFlag = 2025
ServerDiagnosticsType_SamplingIntervalDiagnosticsArray = 2022
ServerDiagnosticsType_ServerDiagnosticsSummary = 2021
ServerDiagnosticsType_ServerDiagnosticsSummary_CumulatedSessionCount = 3118
ServerDiagnosticsType_ServerDiagnosticsSummary_CumulatedSubscriptionCount = 3126
ServerDiagnosticsType_ServerDiagnosticsSummary_CurrentSessionCount = 3117
ServerDiagnosticsType_ServerDiagnosticsSummary_CurrentSubscriptionCount = 3125
ServerDiagnosticsType_ServerDiagnosticsSummary_PublishingIntervalCount = 3124
ServerDiagnosticsType_ServerDiagnosticsSummary_RejectedRequestsCount = 3128
ServerDiagnosticsType_ServerDiagnosticsSummary_RejectedSessionCount = 3120
ServerDiagnosticsType_ServerDiagnosticsSummary_SecurityRejectedRequestsCount = 3127
ServerDiagnosticsType_ServerDiagnosticsSummary_SecurityRejectedSessionCount = 3119
ServerDiagnosticsType_ServerDiagnosticsSummary_ServerViewCount = 3116
ServerDiagnosticsType_ServerDiagnosticsSummary_SessionAbortCount = 3122
```

```
ServerDiagnosticsType_ServerDiagnosticsSummary_SessionTimeoutCount = 3121
ServerDiagnosticsType_SessionsDiagnosticsSummary = 2744
ServerDiagnosticsType_SessionsDiagnosticsSummary_SessionDiagnosticsArray = 3129
ServerDiagnosticsType_SessionsDiagnosticsSummary_SessionSecurityDiagnosticsArray = 313
ServerDiagnosticsType_SubscriptionDiagnosticsArray = 2023
ServerOnNetwork = 12189
ServerOnNetwork_Encoding_DefaultBinary = 12207
ServerOnNetwork_Encoding_DefaultJson = 15095
ServerOnNetwork_Encoding_DefaultXml = 12195
ServerRedundancyType = 2034
ServerRedundancyType_RedundancySupport = 2035
ServerState = 852
ServerState_EnumStrings = 7612
ServerStatusDataType = 862
ServerStatusDataType_Encoding_DefaultBinary = 864
ServerStatusDataType_Encoding_DefaultJson = 15367
ServerStatusDataType_Encoding_DefaultXml = 863
ServerStatusType = 2138
ServerStatusType_BuildInfo = 2142
ServerStatusType_BuildInfo_BuildDate = 3703
ServerStatusType_BuildInfo_BuildNumber = 3702
ServerStatusType_BuildInfo_ManufacturerName = 3699
ServerStatusType_BuildInfo_ProductName = 3700
ServerStatusType_BuildInfo_ProductUri = 3698
ServerStatusType_BuildInfo_SoftwareVersion = 3701
ServerStatusType_CurrentTime = 2140
ServerStatusType_SecondsTillShutdown = 2752
ServerStatusType_ShutdownReason = 2753
ServerStatusType_StartTime = 2139
ServerStatusType_State = 2141
ServerType = 2004
ServerType_Auditing = 2742
ServerType_EstimatedReturnTime = 12882
ServerType_GetMonitoredItems = 11489
ServerType_GetMonitoredItems_InputArguments = 11490
ServerType_GetMonitoredItems_OutputArguments = 11491
```

```
ServerType_LocalTime = 17612
ServerType_NamespaceArray = 2006
ServerType_Namespaces = 11527
ServerType_RequestServerStateChange = 12883
ServerType_RequestServerStateChange_InputArguments = 12884
ServerType_ResendData = 12871
ServerType_ResendData_InputArguments = 12872
ServerType_ServerArray = 2005
ServerType_ServerCapabilities = 2009
ServerType_ServerCapabilities_AggregateFunctions = 3094
ServerType_ServerCapabilities_LocaleIdArray = 3087
ServerType_ServerCapabilities_MaxArrayLength = 11514
ServerType_ServerCapabilities_MaxBrowseContinuationPoints = 3089
ServerType_ServerCapabilities_MaxByteStringLength = 12909
ServerType_ServerCapabilities_MaxHistoryContinuationPoints = 3091
ServerType_ServerCapabilities_MaxQueryContinuationPoints = 3090
ServerType_ServerCapabilities_MaxStringLength = 11515
ServerType_ServerCapabilities_MinSupportedSampleRate = 3088
ServerType_ServerCapabilities_ModellingRules = 3093
ServerType_ServerCapabilities_OperationLimits = 11516
ServerType_ServerCapabilities_OperationLimits_MaxMonitoredItemsPerCall = 11526
ServerType_ServerCapabilities_OperationLimits_MaxNodesPerBrowse = 11522
ServerType_ServerCapabilities_OperationLimits_MaxNodesPerHistoryReadData = 12153
ServerType_ServerCapabilities_OperationLimits_MaxNodesPerHistoryReadEvents = 12154
ServerType_ServerCapabilities_OperationLimits_MaxNodesPerHistoryUpdateData = 12155
ServerType_ServerCapabilities_OperationLimits_MaxNodesPerHistoryUpdateEvents = 12156
ServerType_ServerCapabilities_OperationLimits_MaxNodesPerMethodCall = 11521
ServerType_ServerCapabilities_OperationLimits_MaxNodesPerNodeManagement = 11525
ServerType_ServerCapabilities_OperationLimits_MaxNodesPerRead = 11517
ServerType_ServerCapabilities_OperationLimits_MaxNodesPerRegisterNodes = 11523
ServerType_ServerCapabilities_OperationLimits_MaxNodesPerTranslateBrowsePathsToNodeIds
ServerType_ServerCapabilities_OperationLimits_MaxNodesPerWrite = 11519
ServerType_ServerCapabilities_Roles = 16289
ServerType_ServerCapabilities_Roles_AddRole = 16290
ServerType_ServerCapabilities_Roles_AddRole_InputArguments = 16291
ServerType_ServerCapabilities_Roles_AddRole_OutputArguments = 16292
```

```
ServerType_ServerCapabilities_Roles_RemoveRole = 16293
ServerType_ServerCapabilities_Roles_RemoveRole_InputArguments = 16294
ServerType_ServerCapabilities_ServerProfileArray = 3086
ServerType_ServerCapabilities_SoftwareCertificates = 3092
ServerType_ServerDiagnostics = 2010
ServerType_ServerDiagnostics_EnabledFlag = 3114
ServerType_ServerDiagnostics_SamplingIntervalDiagnosticsArray = 3109
ServerType_ServerDiagnostics_ServerDiagnosticsSummary = 3095
ServerType_ServerDiagnostics_ServerDiagnosticsSummary_CumulatedSessionCount = 3098
ServerType_ServerDiagnostics_ServerDiagnosticsSummary_CumulatedSubscriptionCount = 3100
ServerType_ServerDiagnostics_ServerDiagnosticsSummary_CurrentSessionCount = 3097
ServerType_ServerDiagnostics_ServerDiagnosticsSummary_CurrentSubscriptionCount = 3105
ServerType_ServerDiagnostics_ServerDiagnosticsSummary_PublishingIntervalCount = 3104
ServerType_ServerDiagnostics_ServerDiagnosticsSummary_RejectedRequestsCount = 3108
ServerType_ServerDiagnostics_ServerDiagnosticsSummary_RejectedSessionCount = 3100
ServerType_ServerDiagnostics_ServerDiagnosticsSummary_SecurityRejectedRequestsCount = 3109
ServerType_ServerDiagnostics_ServerDiagnosticsSummary_SecurityRejectedSessionCount = 3100
ServerType_ServerDiagnostics_ServerDiagnosticsSummary_ServerViewCount = 3096
ServerType_ServerDiagnostics_ServerDiagnosticsSummary_SessionAbortCount = 3102
ServerType_ServerDiagnostics_ServerDiagnosticsSummary_SessionTimeoutCount = 3101
ServerType_ServerDiagnostics_SessionsDiagnosticsSummary = 3111
ServerType_ServerDiagnostics_SessionsDiagnosticsSummary_SessionDiagnosticsArray = 3112
ServerType_ServerDiagnostics_SessionsDiagnosticsSummary_SessionSecurityDiagnosticsArray = 3113
ServerType_ServerDiagnostics_SubscriptionDiagnosticsArray = 3110
ServerType_ServerRedundancy = 2012
ServerType_ServerRedundancy_RedundancySupport = 3115
ServerType_ServerStatus = 2007
ServerType_ServerStatus_BuildInfo = 3077
ServerType_ServerStatus_BuildInfo_BuildDate = 3083
ServerType_ServerStatus_BuildInfo_BuildNumber = 3082
ServerType_ServerStatus_BuildInfo_ManufacturerName = 3079
ServerType_ServerStatus_BuildInfo_ProductName = 3080
ServerType_ServerStatus_BuildInfo_ProductUri = 3078
ServerType_ServerStatus_BuildInfo_SoftwareVersion = 3081
ServerType_ServerStatus_CurrentTime = 3075
ServerType_ServerStatus_SecondsTillShutdown = 3084
```

```
ServerType_ServerStatus_ShutdownReason = 3085
ServerType_ServerStatus_StartTime = 3074
ServerType_ServerStatus_State = 3076
ServerType_ServiceLevel = 2008
ServerType_SetSubscriptionDurable = 12746
ServerType_SetSubscriptionDurable_InputArguments = 12747
ServerType_SetSubscriptionDurable_OutputArguments = 12748
ServerType_UrisVersion = 15003
ServerType_VendorServerInfo = 2011
ServerVendorCapabilityType = 2137
Server_Auditing = 2994
Server_CurrentTimeZone = 16313
Server_EstimatedReturnTime = 12885
Server_GetMonitoredItems = 11492
Server_GetMonitoredItems_InputArguments = 11493
Server_GetMonitoredItems_OutputArguments = 11494
Server_LocalTime = 17634
Server_NamespaceArray = 2255
Server_Namespaces = 11715
Server_RequestServerStateChange = 12886
Server_RequestServerStateChange_InputArguments = 12887
Server_ResendData = 12873
Server_ResendData_InputArguments = 12874
Server_ServerArray = 2254
Server_ServerCapabilities = 2268
Server_ServerCapabilities_AggregateFunctions = 2997
Server_ServerCapabilities_LocaleIdArray = 2271
Server_ServerCapabilities_MaxArrayLength = 11702
Server_ServerCapabilities_MaxBrowseContinuationPoints = 2735
Server_ServerCapabilities_MaxByteStringLength = 12911
Server_ServerCapabilities_MaxHistoryContinuationPoints = 2737
Server_ServerCapabilities_MaxQueryContinuationPoints = 2736
Server_ServerCapabilities_MaxStringLength = 11703
Server_ServerCapabilities_MinSupportedSampleRate = 2272
Server_ServerCapabilities_ModellingRules = 2996
Server_ServerCapabilities_OperationLimits = 11704
```

```
Server_ServerCapabilities_OperationLimits_MaxMonitoredItemsPerCall = 11714
Server_ServerCapabilities_OperationLimits_MaxNodesPerBrowse = 11710
Server_ServerCapabilities_OperationLimits_MaxNodesPerHistoryReadData = 12165
Server_ServerCapabilities_OperationLimits_MaxNodesPerHistoryReadEvents = 12166
Server_ServerCapabilities_OperationLimits_MaxNodesPerHistoryUpdateData = 12167
Server_ServerCapabilities_OperationLimits_MaxNodesPerHistoryUpdateEvents = 12168
Server_ServerCapabilities_OperationLimits_MaxNodesPerMethodCall = 11709
Server_ServerCapabilities_OperationLimits_MaxNodesPerNodeManagement = 11713
Server_ServerCapabilities_OperationLimits_MaxNodesPerRead = 11705
Server_ServerCapabilities_OperationLimits_MaxNodesPerRegisterNodes = 11711
Server_ServerCapabilities_OperationLimits_MaxNodesPerTranslateBrowsePathsToNodeIds = 1
Server_ServerCapabilities_OperationLimits_MaxNodesPerWrite = 11707
Server_ServerCapabilities_Roles = 15606
Server_ServerCapabilities_Roles_AddRole = 16301
Server_ServerCapabilities_Roles_AddRole_InputArguments = 16302
Server_ServerCapabilities_Roles_AddRole_OutputArguments = 16303
Server_ServerCapabilities_Roles_RemoveRole = 16304
Server_ServerCapabilities_Roles_RemoveRole_InputArguments = 16305
Server_ServerCapabilities_ServerProfileArray = 2269
Server_ServerCapabilities_SoftwareCertificates = 3704
Server_ServerDiagnostics = 2274
Server_ServerDiagnostics_EnabledFlag = 2294
Server_ServerDiagnostics_SamplingIntervalDiagnosticsArray = 2289
Server_ServerDiagnostics_ServerDiagnosticsSummary = 2275
Server_ServerDiagnostics_ServerDiagnosticsSummary_CumulatedSessionCount = 2278
Server_ServerDiagnostics_ServerDiagnosticsSummary_CumulatedSubscriptionCount = 2286
Server_ServerDiagnostics_ServerDiagnosticsSummary_CurrentSessionCount = 2277
Server_ServerDiagnostics_ServerDiagnosticsSummary_CurrentSubscriptionCount = 2285
Server_ServerDiagnostics_ServerDiagnosticsSummary_PublishingIntervalCount = 2284
Server_ServerDiagnostics_ServerDiagnosticsSummary_RejectedRequestsCount = 2288
Server_ServerDiagnostics_ServerDiagnosticsSummary_RejectedSessionCount = 3705
Server_ServerDiagnostics_ServerDiagnosticsSummary_SecurityRejectedRequestsCount = 2287
Server_ServerDiagnostics_ServerDiagnosticsSummary_SecurityRejectedSessionCount = 2279
Server_ServerDiagnostics_ServerDiagnosticsSummary_ServerViewCount = 2276
Server_ServerDiagnostics_ServerDiagnosticsSummary_SessionAbortCount = 2282
Server_ServerDiagnostics_ServerDiagnosticsSummary_SessionTimeoutCount = 2281
```

```
Server_ServerDiagnostics_SessionsDiagnosticsSummary = 3706
Server_ServerDiagnostics_SessionsDiagnosticsSummary_SessionDiagnosticsArray = 3707
Server_ServerDiagnostics_SessionsDiagnosticsSummary_SessionSecurityDiagnosticsArray = 3708
Server_ServerDiagnostics_SubscriptionDiagnosticsArray = 2290
Server_ServerRedundancy = 2296
Server_ServerRedundancy_CurrentServerId = 11312
Server_ServerRedundancy_RedundancySupport = 3709
Server_ServerRedundancy_RedundantServerArray = 11313
Server_ServerRedundancy_ServerNetworkGroups = 14415
Server_ServerRedundancy_ServerUriArray = 11314
Server_ServerStatus = 2256
Server_ServerStatus_BuildInfo = 2260
Server_ServerStatus_BuildInfo_BuildDate = 2266
Server_ServerStatus_BuildInfo_BuildNumber = 2265
Server_ServerStatus_BuildInfo_ManufacturerName = 2263
Server_ServerStatus_BuildInfo_ProductName = 2261
Server_ServerStatus_BuildInfo_ProductUri = 2262
Server_ServerStatus_BuildInfo_SoftwareVersion = 2264
Server_ServerStatus_CurrentTime = 2258
Server_ServerStatus_SecondsTillShutdown = 2992
Server_ServerStatus_ShutdownReason = 2993
Server_ServerStatus_StartTime = 2257
Server_ServerStatus_State = 2259
Server_ServiceLevel = 2267
Server_SetSubscriptionDurable = 12749
Server_SetSubscriptionDurable_InputArguments = 12750
Server_SetSubscriptionDurable_OutputArguments = 12751
Server_UrisVersion = 15004
Server_VendorServerInfo = 2295
ServiceCounterDataType = 871
ServiceCounterDataType-Encoding_DefaultBinary = 873
ServiceCounterDataType-Encoding_DefaultJson = 15370
ServiceCounterDataType-Encoding_DefaultXml = 872
ServiceFault = 395
ServiceFault-Encoding_DefaultBinary = 397
ServiceFault-Encoding_DefaultJson = 15090
```

```
ServiceFault_Encoding_DefaultXml = 396
SessionAuthenticationToken = 388
SessionDiagnosticsArrayType = 2196
SessionDiagnosticsArrayType_SessionDiagnostics = 12816
SessionDiagnosticsArrayType_SessionDiagnostics_ActualSessionTimeout = 12823
SessionDiagnosticsArrayType_SessionDiagnostics_AddNodesCount = 12849
SessionDiagnosticsArrayType_SessionDiagnostics_AddReferencesCount = 12850
SessionDiagnosticsArrayType_SessionDiagnostics_BrowseCount = 12853
SessionDiagnosticsArrayType_SessionDiagnostics_BrowseNextCount = 12854
SessionDiagnosticsArrayType_SessionDiagnostics_CallCount = 12836
SessionDiagnosticsArrayType_SessionDiagnostics_ClientConnectionTime = 12825
SessionDiagnosticsArrayType_SessionDiagnostics_ClientDescription = 12819
SessionDiagnosticsArrayType_SessionDiagnostics_ClientLastContactTime = 12826
SessionDiagnosticsArrayType_SessionDiagnostics_CreateMonitoredItemsCount = 12837
SessionDiagnosticsArrayType_SessionDiagnostics_CreateSubscriptionCount = 12842
SessionDiagnosticsArrayType_SessionDiagnostics_CurrentMonitoredItemsCount = 12828
SessionDiagnosticsArrayType_SessionDiagnostics_CurrentPublishRequestsInQueue = 12829
SessionDiagnosticsArrayType_SessionDiagnostics_CurrentSubscriptionsCount = 12827
SessionDiagnosticsArrayType_SessionDiagnostics_DeleteMonitoredItemsCount = 12841
SessionDiagnosticsArrayType_SessionDiagnostics_DeleteNodesCount = 12851
SessionDiagnosticsArrayType_SessionDiagnostics_DeleteReferencesCount = 12852
SessionDiagnosticsArrayType_SessionDiagnostics_DeleteSubscriptionsCount = 12848
SessionDiagnosticsArrayType_SessionDiagnostics_EndpointUrl = 12821
SessionDiagnosticsArrayType_SessionDiagnostics_HistoryReadCount = 12833
SessionDiagnosticsArrayType_SessionDiagnostics_HistoryUpdateCount = 12835
SessionDiagnosticsArrayType_SessionDiagnostics_LocaleIds = 12822
SessionDiagnosticsArrayType_SessionDiagnostics_MaxResponseMessageSize = 12824
SessionDiagnosticsArrayType_SessionDiagnostics_ModifyMonitoredItemsCount = 12838
SessionDiagnosticsArrayType_SessionDiagnostics_ModifySubscriptionCount = 12843
SessionDiagnosticsArrayType_SessionDiagnostics_PublishCount = 12845
SessionDiagnosticsArrayType_SessionDiagnostics_QueryFirstCount = 12856
SessionDiagnosticsArrayType_SessionDiagnostics_QueryNextCount = 12857
SessionDiagnosticsArrayType_SessionDiagnostics_ReadCount = 12832
SessionDiagnosticsArrayType_SessionDiagnostics_RegisterNodesCount = 12858
SessionDiagnosticsArrayType_SessionDiagnostics_RepublishCount = 12846
SessionDiagnosticsArrayType_SessionDiagnostics_ServerUri = 12820
```



```
SessionDiagnosticsArrayType_SessionDiagnostics_SessionId = 12817
SessionDiagnosticsArrayType_SessionDiagnostics_SessionName = 12818
SessionDiagnosticsArrayType_SessionDiagnostics_SetMonitoringModeCount = 12839
SessionDiagnosticsArrayType_SessionDiagnostics_SetPublishingModeCount = 12844
SessionDiagnosticsArrayType_SessionDiagnostics_SetTriggeringCount = 12840
SessionDiagnosticsArrayType_SessionDiagnostics_TotalRequestCount = 12830
SessionDiagnosticsArrayType_SessionDiagnostics_TransferSubscriptionsCount = 12847
SessionDiagnosticsArrayType_SessionDiagnostics_TranslateBrowsePathsToNodeIdsCount = 12848
SessionDiagnosticsArrayType_SessionDiagnostics_UnauthorizedRequestCount = 12831
SessionDiagnosticsArrayType_SessionDiagnostics_UnregisterNodesCount = 12859
SessionDiagnosticsArrayType_SessionDiagnostics_WriteCount = 12834
SessionDiagnosticsDataType = 865
SessionDiagnosticsDataType_Encoding_DefaultBinary = 867
SessionDiagnosticsDataType_Encoding_DefaultJson = 15368
SessionDiagnosticsDataType_Encoding_DefaultXml = 866
SessionDiagnosticsObjectType = 2029
SessionDiagnosticsObjectType_SessionDiagnostics = 2030
SessionDiagnosticsObjectType_SessionDiagnostics_ActualSessionTimeout = 3137
SessionDiagnosticsObjectType_SessionDiagnostics_AddNodesCount = 3168
SessionDiagnosticsObjectType_SessionDiagnostics_AddReferencesCount = 3169
SessionDiagnosticsObjectType_SessionDiagnostics_BrowseCount = 3172
SessionDiagnosticsObjectType_SessionDiagnostics_BrowseNextCount = 3173
SessionDiagnosticsObjectType_SessionDiagnostics_CallCount = 3155
SessionDiagnosticsObjectType_SessionDiagnostics_ClientConnectionTime = 3139
SessionDiagnosticsObjectType_SessionDiagnostics_ClientDescription = 3133
SessionDiagnosticsObjectType_SessionDiagnostics_ClientLastContactTime = 3140
SessionDiagnosticsObjectType_SessionDiagnostics_CreateMonitoredItemsCount = 3156
SessionDiagnosticsObjectType_SessionDiagnostics_CreateSubscriptionCount = 3161
SessionDiagnosticsObjectType_SessionDiagnostics_CurrentMonitoredItemsCount = 3142
SessionDiagnosticsObjectType_SessionDiagnostics_CurrentPublishRequestsInQueue = 3143
SessionDiagnosticsObjectType_SessionDiagnostics_CurrentSubscriptionsCount = 3141
SessionDiagnosticsObjectType_SessionDiagnostics_DeleteMonitoredItemsCount = 3160
SessionDiagnosticsObjectType_SessionDiagnostics_DeleteNodesCount = 3170
SessionDiagnosticsObjectType_SessionDiagnostics_DeleteReferencesCount = 3171
SessionDiagnosticsObjectType_SessionDiagnostics_DeleteSubscriptionsCount = 3167
SessionDiagnosticsObjectType_SessionDiagnostics_EndpointUrl = 3135
```

```
SessionDiagnosticsObjectType_SessionDiagnostics_HistoryReadCount = 3152
SessionDiagnosticsObjectType_SessionDiagnostics_HistoryUpdateCount = 3154
SessionDiagnosticsObjectType_SessionDiagnostics_LocaleIds = 3136
SessionDiagnosticsObjectType_SessionDiagnostics_MaxResponseMessageSize = 3138
SessionDiagnosticsObjectType_SessionDiagnostics_ModifyMonitoredItemsCount = 3157
SessionDiagnosticsObjectType_SessionDiagnostics_ModifySubscriptionCount = 3162
SessionDiagnosticsObjectType_SessionDiagnostics_PublishCount = 3164
SessionDiagnosticsObjectType_SessionDiagnostics_QueryFirstCount = 3175
SessionDiagnosticsObjectType_SessionDiagnostics_QueryNextCount = 3176
SessionDiagnosticsObjectType_SessionDiagnostics_ReadCount = 3151
SessionDiagnosticsObjectType_SessionDiagnostics_RegisterNodesCount = 3177
SessionDiagnosticsObjectType_SessionDiagnostics_RepublishCount = 3165
SessionDiagnosticsObjectType_SessionDiagnostics_ServerUri = 3134
SessionDiagnosticsObjectType_SessionDiagnostics_SessionId = 3131
SessionDiagnosticsObjectType_SessionDiagnostics_SessionName = 3132
SessionDiagnosticsObjectType_SessionDiagnostics_SetMonitoringModeCount = 3158
SessionDiagnosticsObjectType_SessionDiagnostics_SetPublishingModeCount = 3163
SessionDiagnosticsObjectType_SessionDiagnostics_SetTriggeringCount = 3159
SessionDiagnosticsObjectType_SessionDiagnostics_TotalRequestCount = 8898
SessionDiagnosticsObjectType_SessionDiagnostics_TransferSubscriptionsCount = 3166
SessionDiagnosticsObjectType_SessionDiagnostics_TranslateBrowsePathsToNodeIdsCount = 3
SessionDiagnosticsObjectType_SessionDiagnostics_UnauthorizedRequestCount = 11891
SessionDiagnosticsObjectType_SessionDiagnostics_UnregisterNodesCount = 3178
SessionDiagnosticsObjectType_SessionDiagnostics_WriteCount = 3153
SessionDiagnosticsObjectType_SessionSecurityDiagnostics = 2031
SessionDiagnosticsObjectType_SessionSecurityDiagnostics_AuthenticationMechanism = 3182
SessionDiagnosticsObjectType_SessionSecurityDiagnostics_ClientCertificate = 3187
SessionDiagnosticsObjectType_SessionSecurityDiagnostics_ClientUserIdHistory = 3181
SessionDiagnosticsObjectType_SessionSecurityDiagnostics_ClientUserIdOfSession = 3180
SessionDiagnosticsObjectType_SessionSecurityDiagnostics-Encoding = 3183
SessionDiagnosticsObjectType_SessionSecurityDiagnostics_SecurityMode = 3185
SessionDiagnosticsObjectType_SessionSecurityDiagnostics_SecurityPolicyUri = 3186
SessionDiagnosticsObjectType_SessionSecurityDiagnostics_SessionId = 3179
SessionDiagnosticsObjectType_SessionSecurityDiagnostics_TransportProtocol = 3184
SessionDiagnosticsObjectType_SubscriptionDiagnosticsArray = 2032
SessionDiagnosticsVariableType = 2197
```

```
SessionDiagnosticsVariableType_ActualSessionTimeout = 2204
SessionDiagnosticsVariableType_AddNodesCount = 2234
SessionDiagnosticsVariableType_AddReferencesCount = 2235
SessionDiagnosticsVariableType_BrowseCount = 2238
SessionDiagnosticsVariableType_BrowseNextCount = 2239
SessionDiagnosticsVariableType_CallCount = 2221
SessionDiagnosticsVariableType_ClientConnectionTime = 2205
SessionDiagnosticsVariableType_ClientDescription = 2200
SessionDiagnosticsVariableType_ClientLastContactTime = 2206
SessionDiagnosticsVariableType_CreateMonitoredItemsCount = 2222
SessionDiagnosticsVariableType_CreateSubscriptionCount = 2227
SessionDiagnosticsVariableType_CurrentMonitoredItemsCount = 2208
SessionDiagnosticsVariableType_CurrentPublishRequestsInQueue = 2209
SessionDiagnosticsVariableType_CurrentSubscriptionsCount = 2207
SessionDiagnosticsVariableType_DeleteMonitoredItemsCount = 2226
SessionDiagnosticsVariableType_DeleteNodesCount = 2236
SessionDiagnosticsVariableType_DeleteReferencesCount = 2237
SessionDiagnosticsVariableType_DeleteSubscriptionsCount = 2233
SessionDiagnosticsVariableType_EndpointUrl = 2202
SessionDiagnosticsVariableType_HistoryReadCount = 2218
SessionDiagnosticsVariableType_HistoryUpdateCount = 2220
SessionDiagnosticsVariableType_LocaleIds = 2203
SessionDiagnosticsVariableType_MaxResponseMessageSize = 3050
SessionDiagnosticsVariableType_ModifyMonitoredItemsCount = 2223
SessionDiagnosticsVariableType_ModifySubscriptionCount = 2228
SessionDiagnosticsVariableType_PublishCount = 2230
SessionDiagnosticsVariableType_QueryFirstCount = 2241
SessionDiagnosticsVariableType_QueryNextCount = 2242
SessionDiagnosticsVariableType_ReadCount = 2217
SessionDiagnosticsVariableType_RegisterNodesCount = 2730
SessionDiagnosticsVariableType_RepublishCount = 2231
SessionDiagnosticsVariableType_ServerUri = 2201
SessionDiagnosticsVariableType_SessionId = 2198
SessionDiagnosticsVariableType_SessionName = 2199
SessionDiagnosticsVariableType_SetMonitoringModeCount = 2224
SessionDiagnosticsVariableType_SetPublishingModeCount = 2229
```

```
SessionDiagnosticsVariableType_SetTriggeringCount = 2225
SessionDiagnosticsVariableType_TotalRequestCount = 8900
SessionDiagnosticsVariableType_TransferSubscriptionsCount = 2232
SessionDiagnosticsVariableType_TranslateBrowsePathsToNodeIdsCount = 2240
SessionDiagnosticsVariableType_UnauthorizedRequestCount = 11892
SessionDiagnosticsVariableType_UnregisterNodesCount = 2731
SessionDiagnosticsVariableType_WriteCount = 2219
SessionSecurityDiagnosticsArrayType = 2243
SessionSecurityDiagnosticsArrayType_SessionSecurityDiagnostics = 12860
SessionSecurityDiagnosticsArrayType_SessionSecurityDiagnostics_AuthenticationMechanism = 12861
SessionSecurityDiagnosticsArrayType_SessionSecurityDiagnostics_ClientCertificate = 12862
SessionSecurityDiagnosticsArrayType_SessionSecurityDiagnostics_ClientUserIdHistory = 12863
SessionSecurityDiagnosticsArrayType_SessionSecurityDiagnostics_ClientUserIdOfSession = 12864
SessionSecurityDiagnosticsArrayType_SessionSecurityDiagnostics_Encoding = 12865
SessionSecurityDiagnosticsArrayType_SessionSecurityDiagnostics_SecurityMode = 12867
SessionSecurityDiagnosticsArrayType_SessionSecurityDiagnostics_SecurityPolicyUri = 12868
SessionSecurityDiagnosticsArrayType_SessionSecurityDiagnostics_SessionId = 12861
SessionSecurityDiagnosticsArrayType_SessionSecurityDiagnostics_TransportProtocol = 12869
SessionSecurityDiagnosticsDataType = 868
SessionSecurityDiagnosticsDataType_Encoding_DefaultBinary = 870
SessionSecurityDiagnosticsDataType_Encoding_DefaultJson = 15369
SessionSecurityDiagnosticsDataType_Encoding_DefaultXml = 869
SessionSecurityDiagnosticsType = 2244
SessionSecurityDiagnosticsType_AuthenticationMechanism = 2248
SessionSecurityDiagnosticsType_ClientCertificate = 3058
SessionSecurityDiagnosticsType_ClientUserIdHistory = 2247
SessionSecurityDiagnosticsType_ClientUserIdOfSession = 2246
SessionSecurityDiagnosticsType_Encoding = 2249
SessionSecurityDiagnosticsType_SecurityMode = 2251
SessionSecurityDiagnosticsType_SecurityPolicyUri = 2252
SessionSecurityDiagnosticsType_SessionId = 2245
SessionSecurityDiagnosticsType_TransportProtocol = 2250
SessionlessInvokeRequestType = 15901
SessionlessInvokeRequestType_Encoding_DefaultBinary = 15903
SessionlessInvokeRequestType_Encoding_DefaultJson = 15091
SessionlessInvokeRequestType_Encoding_DefaultXml = 15902
```

```
SessionlessInvokeResponseType = 20999
SessionlessInvokeResponseType_Encoding_DefaultBinary = 21001
SessionlessInvokeResponseType_Encoding_DefaultJson = 15092
SessionlessInvokeResponseType_Encoding_DefaultXml = 21000
SessionsDiagnosticsSummaryType = 2026
SessionsDiagnosticsSummaryType_ClientName_Placeholder = 12097
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics = 12098
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_ActualSessionId = 12099
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_AddNodesCount = 12100
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_AddReferencesCount = 12101
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_BrowseCount = 12102
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_BrowseNextCount = 12103
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_CallCount = 12104
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_ClientConnectCount = 12105
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_ClientDescription = 12106
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_ClientLastConnectTime = 12107
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_CreateMonitorCount = 12108
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_CreateSubscriptionCount = 12109
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_CurrentMonitorCount = 12110
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_CurrentPublishCount = 12111
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_CurrentSubscriptionCount = 12112
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_DeleteMonitorCount = 12113
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_DeleteNodesCount = 12114
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_DeleteReferencesCount = 12115
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_DeleteSubscriptionCount = 12116
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_EndpointUrl = 12117
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_HistoryReadCount = 12118
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_HistoryUpdateCount = 12119
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_LocaleIds = 12120
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_MaxResponseMessageSize = 12121
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_ModifyMonitorCount = 12122
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_ModifySubscriptionCount = 12123
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_PublishCount = 12124
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_QueryFirstCount = 12125
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_QueryNextCount = 12126
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_ReadCount = 12127
```

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SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_RegisterNodes = 120
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_RepublishCount = 121
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_ServerUri = 122
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_SessionId = 123
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_SessionName = 124
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_SetMonitoringModeRequest = 125
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_SetPublishingModeRequest = 126
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_SetTriggeringModeRequest = 127
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_TotalRequestCount = 128
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_TransferSubscriptions = 129
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_TranslateBrowsePathToIds = 130
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_UnauthorizedRequestCount = 131
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_UnregisterNodes = 132
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionDiagnostics_WriteCount = 133
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionSecurityDiagnostics = 134
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionSecurityDiagnostics_AuthenticationFailedCount = 135
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionSecurityDiagnostics_ClientCertificateExpirationTime = 136
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionSecurityDiagnostics_ClientCertificateIssuedTime = 137
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionSecurityDiagnostics_ClientCertificateLifetime = 138
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionSecurityDiagnostics_EncodingDefaultBinary = 139
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionSecurityDiagnostics_SecurityMode = 140
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionSecurityDiagnostics_SecurityPolicyUri = 141
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionSecurityDiagnostics_SessionId = 142
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SessionSecurityDiagnostics_TransportCredentials = 143
SessionsDiagnosticsSummaryType_ClientName_Placeholder_SubscriptionDiagnosticsArray = 144
SessionsDiagnosticsSummaryType_SessionDiagnosticsArray = 2027
SessionsDiagnosticsSummaryType_SessionSecurityDiagnosticsArray = 2028
SetMonitoringModeRequest = 767
SetMonitoringModeRequest_Encoding_DefaultBinary = 769
SetMonitoringModeRequest_Encoding_DefaultJson = 15329
SetMonitoringModeRequest_Encoding_DefaultXml = 768
SetMonitoringModeResponse = 770
SetMonitoringModeResponse_Encoding_DefaultBinary = 772
SetMonitoringModeResponse_Encoding_DefaultJson = 15331
SetMonitoringModeResponse_Encoding_DefaultXml = 771
SetPositionMethodType = 11751
```

```
SetPositionMethodType_InputArguments = 11752
SetPublishingModeRequest = 797
SetPublishingModeRequest_Encoding_DefaultBinary = 799
SetPublishingModeRequest_Encoding_DefaultJson = 15341
SetPublishingModeRequest_Encoding_DefaultXml = 798
SetPublishingModeResponse = 800
SetPublishingModeResponse_Encoding_DefaultBinary = 802
SetPublishingModeResponse_Encoding_DefaultJson = 15342
SetPublishingModeResponse_Encoding_DefaultXml = 801
SetSecurityKeysMethodType = 17298
SetSecurityKeysMethodType_InputArguments = 17299
SetSubscriptionDurableMethodType = 12752
SetSubscriptionDurableMethodType_InputArguments = 12753
SetSubscriptionDurableMethodType_OutputArguments = 12754
SetTriggeringRequest = 773
SetTriggeringRequest_Encoding_DefaultBinary = 775
SetTriggeringRequest_Encoding_DefaultJson = 15332
SetTriggeringRequest_Encoding_DefaultXml = 774
SetTriggeringResponse = 776
SetTriggeringResponse_Encoding_DefaultBinary = 778
SetTriggeringResponse_Encoding_DefaultJson = 15333
SetTriggeringResponse_Encoding_DefaultXml = 777
ShelvedStateMachineType = 2929
ShelvedStateMachineType_AvailableStates = 17662
ShelvedStateMachineType_AvailableTransitions = 17663
ShelvedStateMachineType_CurrentState = 6088
ShelvedStateMachineType_CurrentState_EffectiveDisplayName = 6092
ShelvedStateMachineType_CurrentState_Id = 6089
ShelvedStateMachineType_CurrentState_Name = 6090
ShelvedStateMachineType_CurrentState_Number = 6091
ShelvedStateMachineType_LastTransition = 6093
ShelvedStateMachineType_LastTransition_EffectiveTransitionTime = 11465
ShelvedStateMachineType_LastTransition_Id = 6094
ShelvedStateMachineType_LastTransition_Name = 6095
ShelvedStateMachineType_LastTransition_Number = 6096
ShelvedStateMachineType_LastTransition_TransitionTime = 6097
```

```
ShelvedStateMachineType_OneShotShelve = 2948
ShelvedStateMachineType_OneShotShelved = 2933
ShelvedStateMachineType_OneShotShelvedToTimedShelved = 2945
ShelvedStateMachineType_OneShotShelvedToTimedShelved_TransitionNumber = 11327
ShelvedStateMachineType_OneShotShelvedToUnshelved = 2943
ShelvedStateMachineType_OneShotShelvedToUnshelved_TransitionNumber = 11326
ShelvedStateMachineType_OneShotShelved_StateNumber = 6101
ShelvedStateMachineType_TimedShelve = 2949
ShelvedStateMachineType_TimedShelve_InputArguments = 2991
ShelvedStateMachineType_TimedShelved = 2932
ShelvedStateMachineType_TimedShelvedToOneShotShelved = 2942
ShelvedStateMachineType_TimedShelvedToOneShotShelved_TransitionNumber = 11325
ShelvedStateMachineType_TimedShelvedToUnshelved = 2940
ShelvedStateMachineType_TimedShelvedToUnshelved_TransitionNumber = 11324
ShelvedStateMachineType_TimedShelved_StateNumber = 6100
ShelvedStateMachineType_Unshelve = 2947
ShelvedStateMachineType_UnshelveTime = 9115
ShelvedStateMachineType_Unshelved = 2930
ShelvedStateMachineType_UnshelvedToOneShotShelved = 2936
ShelvedStateMachineType_UnshelvedToOneShotShelved_TransitionNumber = 11323
ShelvedStateMachineType_UnshelvedToTimedShelved = 2935
ShelvedStateMachineType_UnshelvedToTimedShelved_TransitionNumber = 11322
ShelvedStateMachineType_Unshelved_StateNumber = 6098
SignatureData = 456
SignatureData_Encoding_DefaultBinary = 458
SignatureData_Encoding_DefaultJson = 15137
SignatureData_Encoding_DefaultXml = 457
SignedSoftwareCertificate = 344
SignedSoftwareCertificate_Encoding_DefaultBinary = 346
SignedSoftwareCertificate_Encoding_DefaultJson = 15136
SignedSoftwareCertificate_Encoding_DefaultXml = 345
SimpleAttributeOperand = 601
SimpleAttributeOperand_Encoding_DefaultBinary = 603
SimpleAttributeOperand_Encoding_DefaultJson = 15210
SimpleAttributeOperand_Encoding_DefaultXml = 602
SimpleTypeDescription = 15005
```



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SimpleTypeDescription_Encoding_DefaultBinary = 15421
SimpleTypeDescription_Encoding_DefaultJson = 15700
SimpleTypeDescription_Encoding_DefaultXml = 15529
StateMachineType = 2299
StateMachineType_CurrentState = 2769
StateMachineType_CurrentState_EffectiveDisplayName = 3723
StateMachineType_CurrentState_Id = 3720
StateMachineType_CurrentState_Name = 3721
StateMachineType_CurrentState_Number = 3722
StateMachineType_LastTransition = 2770
StateMachineType_LastTransition_EffectiveTransitionTime = 11458
StateMachineType_LastTransition_Id = 3724
StateMachineType_LastTransition_Name = 3725
StateMachineType_LastTransition_Number = 3726
StateMachineType_LastTransition_TransitionTime = 3727
StateType = 2307
StateType_StateNumber = 2308
StateVariableType = 2755
StateVariableType_EffectiveDisplayName = 2759
StateVariableType_Id = 2756
StateVariableType_Name = 2757
StateVariableType_Number = 2758
StatisticalConditionClassType = 18665
StatusChangeNotification = 818
StatusChangeNotification_Encoding_DefaultBinary = 820
StatusChangeNotification_Encoding_DefaultJson = 15350
StatusChangeNotification_Encoding_DefaultXml = 819
StatusCode = 19
StatusResult = 299
StatusResult_Encoding_DefaultBinary = 301
StatusResult_Encoding_DefaultJson = 15371
StatusResult_Encoding_DefaultXml = 300
String = 12
Structure = 22
StructureDefinition = 99
StructureDefinition_Encoding_DefaultBinary = 122
```

```
StructureDefinition_Encoding_DefaultJson = 15066
StructureDefinition_Encoding_DefaultXml = 14798
StructureDescription = 15487
StructureDescription_Encoding_DefaultBinary = 126
StructureDescription_Encoding_DefaultJson = 15058
StructureDescription_Encoding_DefaultXml = 15589
StructureField = 101
StructureField_Encoding_DefaultBinary = 14844
StructureField_Encoding_DefaultJson = 15065
StructureField_Encoding_DefaultXml = 14800
StructureType = 98
StructureType_EnumStrings = 14528
SubscribedDataSetDataType = 15630
SubscribedDataSetDataType_Encoding_DefaultBinary = 15707
SubscribedDataSetDataType_Encoding_DefaultJson = 16308
SubscribedDataSetDataType_Encoding_DefaultXml = 16010
SubscribedDataSetMirrorDataType = 15635
SubscribedDataSetMirrorDataType_Encoding_DefaultBinary = 15713
SubscribedDataSetMirrorDataType_Encoding_DefaultJson = 16311
SubscribedDataSetMirrorDataType_Encoding_DefaultXml = 16012
SubscribedDataSetMirrorType = 15127
SubscribedDataSetMirrorType_DataSetMetaData = 15128
SubscribedDataSetMirrorType_MessageReceiveTimeout = 15129
SubscribedDataSetType = 15108
SubscribedDataSetType_DataSetMetaData = 15109
SubscribedDataSetType_MessageReceiveTimeout = 15110
SubscriptionAcknowledgement = 821
SubscriptionAcknowledgement_Encoding_DefaultBinary = 823
SubscriptionAcknowledgement_Encoding_DefaultJson = 15351
SubscriptionAcknowledgement_Encoding_DefaultXml = 822
SubscriptionDiagnosticsArrayType = 2171
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics = 12784
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_CurrentKeepAliveCount = 12807
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_CurrentLifetimeCount = 12808
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_DataChangeNotificationsCount = 12809
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_DisableCount = 12795
```

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SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_DisabledMonitoredItemCount = 12810
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_DiscardedMessageCount = 12810
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_EnableCount = 12794
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_EventNotificationsCount = 12810
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_EventQueueOverflowCount = 12810
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_LatePublishRequestCount = 12810
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_MaxKeepAliveCount = 12789
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_MaxLifetimeCount = 12790
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_MaxNotificationsPerPublish = 12790
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_ModifyCount = 12793
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_MonitoredItemCount = 12811
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_MonitoringQueueOverflowCount = 12811
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_NextSequenceNumber = 12814
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_NotificationsCount = 12805
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_Priority = 12787
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_PublishRequestCount = 12802
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_PublishingEnabled = 12792
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_PublishingInterval = 12788
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_RepublishMessageCount = 12798
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_RepublishMessageRequestCount = 12798
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_RepublishRequestCount = 12796
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_SessionId = 12785
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_SubscriptionId = 12786
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_TransferRequestCount = 12799
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_TransferredToAltClientCount = 12799
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_TransferredToSameClientCount = 12799
SubscriptionDiagnosticsArrayType_SubscriptionDiagnostics_UnacknowledgedMessageCount = 12799
SubscriptionDiagnosticsDataType = 874
SubscriptionDiagnosticsDataType_Encoding_DefaultBinary = 876
SubscriptionDiagnosticsDataType_Encoding_DefaultJson = 15372
SubscriptionDiagnosticsDataType_Encoding_DefaultXml = 875
SubscriptionDiagnosticsType = 2172
SubscriptionDiagnosticsType_CurrentKeepAliveCount = 8890
SubscriptionDiagnosticsType_CurrentLifetimeCount = 8891
SubscriptionDiagnosticsType_DataChangeNotificationsCount = 2191
SubscriptionDiagnosticsType_DisableCount = 2183
```

```
SubscriptionDiagnosticsType_DisabledMonitoredItemCount = 8895
SubscriptionDiagnosticsType_DiscardedMessageCount = 8893
SubscriptionDiagnosticsType_EnableCount = 2182
SubscriptionDiagnosticsType_EventNotificationsCount = 2998
SubscriptionDiagnosticsType_EventQueueOverflowCount = 8902
SubscriptionDiagnosticsType_LatePublishRequestCount = 8889
SubscriptionDiagnosticsType_MaxKeepAliveCount = 2177
SubscriptionDiagnosticsType_MaxLifetimeCount = 8888
SubscriptionDiagnosticsType_MaxNotificationsPerPublish = 2179
SubscriptionDiagnosticsType_ModifyCount = 2181
SubscriptionDiagnosticsType_MonitoredItemCount = 8894
SubscriptionDiagnosticsType_MonitoringQueueOverflowCount = 8896
SubscriptionDiagnosticsType_NextSequenceNumber = 8897
SubscriptionDiagnosticsType_NotificationsCount = 2193
SubscriptionDiagnosticsType_Priority = 2175
SubscriptionDiagnosticsType_PublishRequestCount = 2190
SubscriptionDiagnosticsType_PublishingEnabled = 2180
SubscriptionDiagnosticsType_PublishingInterval = 2176
SubscriptionDiagnosticsType_RepublishMessageCount = 2186
SubscriptionDiagnosticsType_RepublishMessageRequestCount = 2185
SubscriptionDiagnosticsType_RepublishRequestCount = 2184
SubscriptionDiagnosticsType_SessionId = 2173
SubscriptionDiagnosticsType_SubscriptionId = 2174
SubscriptionDiagnosticsType_TransferRequestCount = 2187
SubscriptionDiagnosticsType_TransferredToAltClientCount = 2188
SubscriptionDiagnosticsType_TransferredToSameClientCount = 2189
SubscriptionDiagnosticsType_UnacknowledgedMessageCount = 8892
SystemConditionClassType = 11166
SystemDiagnosticAlarmType = 18496
SystemDiagnosticAlarmType_AckedState = 18537
SystemDiagnosticAlarmType_AckedState_EffectiveDisplayName = 18541
SystemDiagnosticAlarmType_AckedState_EffectiveTransitionTime = 18543
SystemDiagnosticAlarmType_AckedState_FalseState = 18545
SystemDiagnosticAlarmType_AckedState_Id = 18538
SystemDiagnosticAlarmType_AckedState_Name = 18539
SystemDiagnosticAlarmType_AckedState_Number = 18540
```

SystemDiagnosticAlarmType\_AckedState\_TransitionTime = 18542  
SystemDiagnosticAlarmType\_AckedState\_TrueState = 18544  
SystemDiagnosticAlarmType\_Acknowledge = 18555  
SystemDiagnosticAlarmType\_Acknowledge\_InputArguments = 18556  
SystemDiagnosticAlarmType\_ActiveState = 18559  
SystemDiagnosticAlarmType\_ActiveState\_EffectiveDisplayName = 18563  
SystemDiagnosticAlarmType\_ActiveState\_EffectiveTransitionTime = 18565  
SystemDiagnosticAlarmType\_ActiveState\_FalseState = 18567  
SystemDiagnosticAlarmType\_ActiveState\_Id = 18560  
SystemDiagnosticAlarmType\_ActiveState\_Name = 18561  
SystemDiagnosticAlarmType\_ActiveState\_Number = 18562  
SystemDiagnosticAlarmType\_ActiveState\_TransitionTime = 18564  
SystemDiagnosticAlarmType\_ActiveState\_TrueState = 18566  
SystemDiagnosticAlarmType\_AddComment = 18531  
SystemDiagnosticAlarmType\_AddComment\_InputArguments = 18532  
SystemDiagnosticAlarmType\_AlarmGroup\_Placeholder = 18635  
SystemDiagnosticAlarmType\_AudibleEnabled = 18608  
SystemDiagnosticAlarmType\_AudibleSound = 18609  
SystemDiagnosticAlarmType\_AudibleSound\_AgencyId = 18611  
SystemDiagnosticAlarmType\_AudibleSound\_ListId = 18610  
SystemDiagnosticAlarmType\_AudibleSound\_VersionId = 18612  
SystemDiagnosticAlarmType\_BranchId = 18511  
SystemDiagnosticAlarmType\_ClientUserId = 18528  
SystemDiagnosticAlarmType\_Comment = 18526  
SystemDiagnosticAlarmType\_Comment\_SourceTimestamp = 18527  
SystemDiagnosticAlarmType\_ConditionClassId = 18506  
SystemDiagnosticAlarmType\_ConditionClassName = 18507  
SystemDiagnosticAlarmType\_ConditionName = 18510  
SystemDiagnosticAlarmType\_ConditionRefresh = 18533  
SystemDiagnosticAlarmType\_ConditionRefresh2 = 18535  
SystemDiagnosticAlarmType\_ConditionRefresh2\_InputArguments = 18536  
SystemDiagnosticAlarmType\_ConditionRefresh\_InputArguments = 18534  
SystemDiagnosticAlarmType\_ConditionSubClassId = 18508  
SystemDiagnosticAlarmType\_ConditionSubClassName = 18509  
SystemDiagnosticAlarmType\_Confirm = 18557  
SystemDiagnosticAlarmType\_Confirm\_InputArguments = 18558

```
SystemDiagnosticAlarmType_ConfirmedState = 18546
SystemDiagnosticAlarmType_ConfirmedState_EffectiveDisplayName = 18550
SystemDiagnosticAlarmType_ConfirmedState_EffectiveTransitionTime = 18552
SystemDiagnosticAlarmType_ConfirmedState_FalseState = 18554
SystemDiagnosticAlarmType_ConfirmedState_Id = 18547
SystemDiagnosticAlarmType_ConfirmedState_Name = 18548
SystemDiagnosticAlarmType_ConfirmedState_Number = 18549
SystemDiagnosticAlarmType_ConfirmedState_TransitionTime = 18551
SystemDiagnosticAlarmType_ConfirmedState_TrueState = 18553
SystemDiagnosticAlarmType_Disable = 18529
SystemDiagnosticAlarmType_Enable = 18530
SystemDiagnosticAlarmType_EnabledState = 18513
SystemDiagnosticAlarmType_EnabledState_EffectiveDisplayName = 18517
SystemDiagnosticAlarmType_EnabledState_EffectiveTransitionTime = 18519
SystemDiagnosticAlarmType_EnabledState_FalseState = 18521
SystemDiagnosticAlarmType_EnabledState_Id = 18514
SystemDiagnosticAlarmType_EnabledState_Name = 18515
SystemDiagnosticAlarmType_EnabledState_Number = 18516
SystemDiagnosticAlarmType_EnabledState_TransitionTime = 18518
SystemDiagnosticAlarmType_EnabledState_TrueState = 18520
SystemDiagnosticAlarmType_EventId = 18497
SystemDiagnosticAlarmType_EventType = 18498
SystemDiagnosticAlarmType_FirstInGroup = 18625
SystemDiagnosticAlarmType_FirstInGroupFlag = 18624
SystemDiagnosticAlarmType_InputNode = 18568
SystemDiagnosticAlarmType_LastSeverity = 18524
SystemDiagnosticAlarmType_LastSeverity_SourceTimestamp = 18525
SystemDiagnosticAlarmType_LatchedState = 18626
SystemDiagnosticAlarmType_LatchedState_EffectiveDisplayName = 18630
SystemDiagnosticAlarmType_LatchedState_EffectiveTransitionTime = 18632
SystemDiagnosticAlarmType_LatchedState_FalseState = 18634
SystemDiagnosticAlarmType_LatchedState_Id = 18627
SystemDiagnosticAlarmType_LatchedState_Name = 18628
SystemDiagnosticAlarmType_LatchedState_Number = 18629
SystemDiagnosticAlarmType_LatchedState_TransitionTime = 18631
SystemDiagnosticAlarmType_LatchedState_TrueState = 18633
```

```
SystemDiagnosticAlarmType_LocalTime = 18503
SystemDiagnosticAlarmType_MaxTimeShelved = 18607
SystemDiagnosticAlarmType_Message = 18504
SystemDiagnosticAlarmType_NormalState = 18644
SystemDiagnosticAlarmType_OffDelay = 18623
SystemDiagnosticAlarmType_OnDelay = 18622
SystemDiagnosticAlarmType_OutOfServiceState = 18578
SystemDiagnosticAlarmType_OutOfServiceState_EffectiveDisplayName = 18582
SystemDiagnosticAlarmType_OutOfServiceState_EffectiveTransitionTime = 18584
SystemDiagnosticAlarmType_OutOfServiceState_FalseState = 18586
SystemDiagnosticAlarmType_OutOfServiceState_Id = 18579
SystemDiagnosticAlarmType_OutOfServiceState_Name = 18580
SystemDiagnosticAlarmType_OutOfServiceState_Number = 18581
SystemDiagnosticAlarmType_OutOfServiceState_TransitionTime = 18583
SystemDiagnosticAlarmType_OutOfServiceState_TrueState = 18585
SystemDiagnosticAlarmType_PlaceInService = 18642
SystemDiagnosticAlarmType_Quality = 18522
SystemDiagnosticAlarmType_Quality_SourceTimestamp = 18523
SystemDiagnosticAlarmType_ReAlarmRepeatCount = 18637
SystemDiagnosticAlarmType_ReAlarmTime = 18636
SystemDiagnosticAlarmType_ReceiveTime = 18502
SystemDiagnosticAlarmType_RemoveFromService = 18641
SystemDiagnosticAlarmType_Reset = 18643
SystemDiagnosticAlarmType_Retain = 18512
SystemDiagnosticAlarmType_Severity = 18505
SystemDiagnosticAlarmType_ShelvingState = 18587
SystemDiagnosticAlarmType_ShelvingState_AvailableStates = 18599
SystemDiagnosticAlarmType_ShelvingState_AvailableTransitions = 18600
SystemDiagnosticAlarmType_ShelvingState_CurrentState = 18588
SystemDiagnosticAlarmType_ShelvingState_CurrentState_EffectiveDisplayName = 18592
SystemDiagnosticAlarmType_ShelvingState_CurrentState_Id = 18589
SystemDiagnosticAlarmType_ShelvingState_CurrentState_Name = 18590
SystemDiagnosticAlarmType_ShelvingState_CurrentState_Number = 18591
SystemDiagnosticAlarmType_ShelvingState_LastTransition = 18593
SystemDiagnosticAlarmType_ShelvingState_LastTransition_EffectiveTransitionTime = 18598
SystemDiagnosticAlarmType_ShelvingState_LastTransition_Id = 18594
```

```
SystemDiagnosticAlarmType_ShelvingState_LastTransition_Name = 18595
SystemDiagnosticAlarmType_ShelvingState_LastTransition_Number = 18596
SystemDiagnosticAlarmType_ShelvingState_LastTransition_TransitionTime = 18597
SystemDiagnosticAlarmType_ShelvingState_OneShotShelve = 18605
SystemDiagnosticAlarmType_ShelvingState_TimedShelve = 18602
SystemDiagnosticAlarmType_ShelvingState_TimedShelve_InputArguments = 18603
SystemDiagnosticAlarmType_ShelvingState_Unshelve = 18604
SystemDiagnosticAlarmType_ShelvingState_UnshelveTime = 18601
SystemDiagnosticAlarmType_Silence = 18638
SystemDiagnosticAlarmType_SilenceState = 18613
SystemDiagnosticAlarmType_SilenceState_EffectiveDisplayName = 18617
SystemDiagnosticAlarmType_SilenceState_EffectiveTransitionTime = 18619
SystemDiagnosticAlarmType_SilenceState_FalseState = 18621
SystemDiagnosticAlarmType_SilenceState_Id = 18614
SystemDiagnosticAlarmType_SilenceState_Name = 18615
SystemDiagnosticAlarmType_SilenceState_Number = 18616
SystemDiagnosticAlarmType_SilenceState_TransitionTime = 18618
SystemDiagnosticAlarmType_SilenceState_TrueState = 18620
SystemDiagnosticAlarmType_SourceName = 18500
SystemDiagnosticAlarmType_SourceNode = 18499
SystemDiagnosticAlarmType_Suppress = 18639
SystemDiagnosticAlarmType_SuppressedOrShelved = 18606
SystemDiagnosticAlarmType_SuppressedState = 18569
SystemDiagnosticAlarmType_SuppressedState_EffectiveDisplayName = 18573
SystemDiagnosticAlarmType_SuppressedState_EffectiveTransitionTime = 18575
SystemDiagnosticAlarmType_SuppressedState_FalseState = 18577
SystemDiagnosticAlarmType_SuppressedState_Id = 18570
SystemDiagnosticAlarmType_SuppressedState_Name = 18571
SystemDiagnosticAlarmType_SuppressedState_Number = 18572
SystemDiagnosticAlarmType_SuppressedState_TransitionTime = 18574
SystemDiagnosticAlarmType_SuppressedState_TrueState = 18576
SystemDiagnosticAlarmType_Time = 18501
SystemDiagnosticAlarmType_Unsuppress = 18640
SystemEventType = 2130
SystemEventType_EventId = 3653
SystemEventType_EventType = 3654
```



```
SystemEventType_LocalTime = 3659
SystemEventType_Message = 3660
SystemEventType_ReceiveTime = 3658
SystemEventType_Severity = 3661
SystemEventType_SourceName = 3656
SystemEventType_SourceNode = 3655
SystemEventType_Time = 3657
SystemOffNormalAlarmType = 11753
SystemOffNormalAlarmType_AckedState = 11790
SystemOffNormalAlarmType_AckedState_EffectiveDisplayName = 11794
SystemOffNormalAlarmType_AckedState_EffectiveTransitionTime = 11796
SystemOffNormalAlarmType_AckedState_FalseState = 11798
SystemOffNormalAlarmType_AckedState_Id = 11791
SystemOffNormalAlarmType_AckedState_Name = 11792
SystemOffNormalAlarmType_AckedState_Number = 11793
SystemOffNormalAlarmType_AckedState_TransitionTime = 11795
SystemOffNormalAlarmType_AckedState_TrueState = 11797
SystemOffNormalAlarmType_Acknowledge = 11808
SystemOffNormalAlarmType_Acknowledge_InputArguments = 11809
SystemOffNormalAlarmType_ActiveState = 11812
SystemOffNormalAlarmType_ActiveState_EffectiveDisplayName = 11816
SystemOffNormalAlarmType_ActiveState_EffectiveTransitionTime = 11818
SystemOffNormalAlarmType_ActiveState_FalseState = 11820
SystemOffNormalAlarmType_ActiveState_Id = 11813
SystemOffNormalAlarmType_ActiveState_Name = 11814
SystemOffNormalAlarmType_ActiveState_Number = 11815
SystemOffNormalAlarmType_ActiveState_TransitionTime = 11817
SystemOffNormalAlarmType_ActiveState_TrueState = 11819
SystemOffNormalAlarmType_AddComment = 11786
SystemOffNormalAlarmType_AddComment_InputArguments = 11787
SystemOffNormalAlarmType_AlarmGroup_Placeholder = 17002
SystemOffNormalAlarmType_AudibleEnabled = 16992
SystemOffNormalAlarmType_AudibleSound = 16993
SystemOffNormalAlarmType_AudibleSound_AgencyId = 17957
SystemOffNormalAlarmType_AudibleSound_ListId = 17956
SystemOffNormalAlarmType_AudibleSound_VersionId = 17958
```

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SystemOffNormalAlarmType_BranchId = 11766
SystemOffNormalAlarmType_ClientUserId = 11783
SystemOffNormalAlarmType_Comment = 11781
SystemOffNormalAlarmType_Comment_SourceTimestamp = 11782
SystemOffNormalAlarmType_ConditionClassId = 11763
SystemOffNormalAlarmType_ConditionClassName = 11764
SystemOffNormalAlarmType_ConditionName = 11765
SystemOffNormalAlarmType_ConditionRefresh = 11788
SystemOffNormalAlarmType_ConditionRefresh2 = 13008
SystemOffNormalAlarmType_ConditionRefresh2_InputArguments = 13009
SystemOffNormalAlarmType_ConditionRefresh_InputArguments = 11789
SystemOffNormalAlarmType_ConditionSubClassId = 16972
SystemOffNormalAlarmType_ConditionSubClassName = 16973
SystemOffNormalAlarmType_Confirm = 11810
SystemOffNormalAlarmType_Confirm_InputArguments = 11811
SystemOffNormalAlarmType_ConfirmedState = 11799
SystemOffNormalAlarmType_ConfirmedState_EffectiveDisplayName = 11803
SystemOffNormalAlarmType_ConfirmedState_EffectiveTransitionTime = 11805
SystemOffNormalAlarmType_ConfirmedState_FalseState = 11807
SystemOffNormalAlarmType_ConfirmedState_Id = 11800
SystemOffNormalAlarmType_ConfirmedState_Name = 11801
SystemOffNormalAlarmType_ConfirmedState_Number = 11802
SystemOffNormalAlarmType_ConfirmedState_TransitionTime = 11804
SystemOffNormalAlarmType_ConfirmedState_TrueState = 11806
SystemOffNormalAlarmType_Disable = 11784
SystemOffNormalAlarmType_Enable = 11785
SystemOffNormalAlarmType_EnabledState = 11768
SystemOffNormalAlarmType_EnabledState_EffectiveDisplayName = 11772
SystemOffNormalAlarmType_EnabledState_EffectiveTransitionTime = 11774
SystemOffNormalAlarmType_EnabledState_FalseState = 11776
SystemOffNormalAlarmType_EnabledState_Id = 11769
SystemOffNormalAlarmType_EnabledState_Name = 11770
SystemOffNormalAlarmType_EnabledState_Number = 11771
SystemOffNormalAlarmType_EnabledState_TransitionTime = 11773
SystemOffNormalAlarmType_EnabledState_TrueState = 11775
SystemOffNormalAlarmType_EventId = 11754
```

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SystemOffNormalAlarmType_EventType = 11755
SystemOffNormalAlarmType_FirstInGroup = 17001
SystemOffNormalAlarmType_FirstInGroupFlag = 17000
SystemOffNormalAlarmType_InputNode = 11821
SystemOffNormalAlarmType_LastSeverity = 11779
SystemOffNormalAlarmType_LastSeverity_SourceTimestamp = 11780
SystemOffNormalAlarmType_LatchedState = 18327
SystemOffNormalAlarmType_LatchedState_EffectiveDisplayName = 18331
SystemOffNormalAlarmType_LatchedState_EffectiveTransitionTime = 18333
SystemOffNormalAlarmType_LatchedState_FalseState = 18335
SystemOffNormalAlarmType_LatchedState_Id = 18328
SystemOffNormalAlarmType_LatchedState_Name = 18329
SystemOffNormalAlarmType_LatchedState_Number = 18330
SystemOffNormalAlarmType_LatchedState_TransitionTime = 18332
SystemOffNormalAlarmType_LatchedState_TrueState = 18334
SystemOffNormalAlarmType_LocalTime = 11760
SystemOffNormalAlarmType_MaxTimeShelved = 11849
SystemOffNormalAlarmType_Message = 11761
SystemOffNormalAlarmType_NormalState = 11850
SystemOffNormalAlarmType_OffDelay = 16999
SystemOffNormalAlarmType_OnDelay = 16998
SystemOffNormalAlarmType_OutOfServiceState = 16974
SystemOffNormalAlarmType_OutOfServiceState_EffectiveDisplayName = 16978
SystemOffNormalAlarmType_OutOfServiceState_EffectiveTransitionTime = 16980
SystemOffNormalAlarmType_OutOfServiceState_FalseState = 16982
SystemOffNormalAlarmType_OutOfServiceState_Id = 16975
SystemOffNormalAlarmType_OutOfServiceState_Name = 16976
SystemOffNormalAlarmType_OutOfServiceState_Number = 16977
SystemOffNormalAlarmType_OutOfServiceState_TransitionTime = 16979
SystemOffNormalAlarmType_OutOfServiceState_TrueState = 16981
SystemOffNormalAlarmType_PlaceInService = 17961
SystemOffNormalAlarmType_Quality = 11777
SystemOffNormalAlarmType_Quality_SourceTimestamp = 11778
SystemOffNormalAlarmType_ReAlarmRepeatCount = 17004
SystemOffNormalAlarmType_ReAlarmTime = 17003
SystemOffNormalAlarmType_ReceiveTime = 11759
```

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SystemOffNormalAlarmType_RemoveFromService = 17960
SystemOffNormalAlarmType_Reset = 18336
SystemOffNormalAlarmType_Retain = 11767
SystemOffNormalAlarmType_Severity = 11762
SystemOffNormalAlarmType_ShelvingState = 11831
SystemOffNormalAlarmType_ShelvingState_AvailableStates = 17696
SystemOffNormalAlarmType_ShelvingState_AvailableTransitions = 17697
SystemOffNormalAlarmType_ShelvingState_CurrentState = 11832
SystemOffNormalAlarmType_ShelvingState_CurrentState_EffectiveDisplayName = 11836
SystemOffNormalAlarmType_ShelvingState_CurrentState_Id = 11833
SystemOffNormalAlarmType_ShelvingState_CurrentState_Name = 11834
SystemOffNormalAlarmType_ShelvingState_CurrentState_Number = 11835
SystemOffNormalAlarmType_ShelvingState_LastTransition = 11837
SystemOffNormalAlarmType_ShelvingState_LastTransition_EffectiveTransitionTime = 11842
SystemOffNormalAlarmType_ShelvingState_LastTransition_Id = 11838
SystemOffNormalAlarmType_ShelvingState_LastTransition_Name = 11839
SystemOffNormalAlarmType_ShelvingState_LastTransition_Number = 11840
SystemOffNormalAlarmType_ShelvingState_LastTransition_TransitionTime = 11841
SystemOffNormalAlarmType_ShelvingState_OneShotShelve = 11845
SystemOffNormalAlarmType_ShelvingState_TimedShelve = 11846
SystemOffNormalAlarmType_ShelvingState_TimedShelve_InputArguments = 11847
SystemOffNormalAlarmType_ShelvingState_Unshelve = 11844
SystemOffNormalAlarmType_ShelvingState_UnshelveTime = 11843
SystemOffNormalAlarmType_Silence = 17005
SystemOffNormalAlarmType_SilenceState = 16983
SystemOffNormalAlarmType_SilenceState_EffectiveDisplayName = 16987
SystemOffNormalAlarmType_SilenceState_EffectiveTransitionTime = 16989
SystemOffNormalAlarmType_SilenceState_FalseState = 16991
SystemOffNormalAlarmType_SilenceState_Id = 16984
SystemOffNormalAlarmType_SilenceState_Name = 16985
SystemOffNormalAlarmType_SilenceState_Number = 16986
SystemOffNormalAlarmType_SilenceState_TransitionTime = 16988
SystemOffNormalAlarmType_SilenceState_TrueState = 16990
SystemOffNormalAlarmType_SourceName = 11757
SystemOffNormalAlarmType_SourceNode = 11756
SystemOffNormalAlarmType_Suppress = 17006
```

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SystemOffNormalAlarmType_SuppressedOrShelved = 11848
SystemOffNormalAlarmType_SuppressedState = 11822
SystemOffNormalAlarmType_SuppressedState_EffectiveDisplayName = 11826
SystemOffNormalAlarmType_SuppressedState_EffectiveTransitionTime = 11828
SystemOffNormalAlarmType_SuppressedState_FalseState = 11830
SystemOffNormalAlarmType_SuppressedState_Id = 11823
SystemOffNormalAlarmType_SuppressedState_Name = 11824
SystemOffNormalAlarmType_SuppressedState_Number = 11825
SystemOffNormalAlarmType_SuppressedState_TransitionTime = 11827
SystemOffNormalAlarmType_SuppressedState_TrueState = 11829
SystemOffNormalAlarmType_Time = 11758
SystemOffNormalAlarmType_Unsuppress = 17959
SystemStatusChangeEvent_Type = 11446
SystemStatusChangeEvent_Type_EventId = 11447
SystemStatusChangeEvent_Type_EventType = 11448
SystemStatusChangeEvent_Type_LocalTime = 11453
SystemStatusChangeEvent_Type_Message = 11454
SystemStatusChangeEvent_Type_ReceiveTime = 11452
SystemStatusChangeEvent_Type_Severity = 11455
SystemStatusChangeEvent_Type_SourceName = 11450
SystemStatusChangeEvent_Type_SourceNode = 11449
SystemStatusChangeEvent_Type_SystemState = 11696
SystemStatusChangeEvent_Type_Time = 11451
TargetVariablesDataType = 15631
TargetVariablesDataType_Encoding_DefaultBinary = 15712
TargetVariablesDataType_Encoding_DefaultJson = 16310
TargetVariablesDataType_Encoding_DefaultXml = 16011
TargetVariablesType = 15111
TargetVariablesTypeAddTargetVariablesMethodType = 15121
TargetVariablesTypeAddTargetVariablesMethodType_InputArguments = 15122
TargetVariablesTypeAddTargetVariablesMethodType_OutputArguments = 15123
TargetVariablesTypeRemoveTargetVariablesMethodType = 15124
TargetVariablesTypeRemoveTargetVariablesMethodType_InputArguments = 15125
TargetVariablesTypeRemoveTargetVariablesMethodType_OutputArguments = 15126
TargetVariablesType_AddTargetVariables = 15115
TargetVariablesType_AddTargetVariables_InputArguments = 15116
```

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TargetVariablesType_AddTargetVariables_OutputArguments = 15117
TargetVariablesType_DataSetMetaData = 15112
TargetVariablesType_MessageReceiveTimeout = 15113
TargetVariablesType_RemoveTargetVariables = 15118
TargetVariablesType_RemoveTargetVariables_InputArguments = 15119
TargetVariablesType_RemoveTargetVariables_OutputArguments = 15120
TargetVariablesType_TargetVariables = 15114
TemporaryFileTransferType = 15744
TemporaryFileTransferType_ClientProcessingTimeout = 15745
TemporaryFileTransferType_CloseAndCommit = 15751
TemporaryFileTransferType_CloseAndCommit_InputArguments = 15752
TemporaryFileTransferType_CloseAndCommit_OutputArguments = 15753
TemporaryFileTransferType_GenerateFileForRead = 15746
TemporaryFileTransferType_GenerateFileForRead_InputArguments = 15747
TemporaryFileTransferType_GenerateFileForRead_OutputArguments = 15748
TemporaryFileTransferType_GenerateFileForWrite = 15749
TemporaryFileTransferType_GenerateFileForWrite_InputArguments = 16359
TemporaryFileTransferType_GenerateFileForWrite_OutputArguments = 15750
TemporaryFileTransferType_TransferState_Placeholder = 15754
TemporaryFileTransferType_TransferState_Placeholder_AvailableStates = 17637
TemporaryFileTransferType_TransferState_Placeholder_AvailableTransitions = 17638
TemporaryFileTransferType_TransferState_Placeholder_CurrentState = 15755
TemporaryFileTransferType_TransferState_Placeholder_CurrentState_EffectiveDisplayName = 15756
TemporaryFileTransferType_TransferState_Placeholder_CurrentState_Id = 15756
TemporaryFileTransferType_TransferState_Placeholder_CurrentState_Name = 15757
TemporaryFileTransferType_TransferState_Placeholder_CurrentState_Number = 15758
TemporaryFileTransferType_TransferState_Placeholder_LastTransition = 15760
TemporaryFileTransferType_TransferState_Placeholder_LastTransition_EffectiveTransition = 15761
TemporaryFileTransferType_TransferState_Placeholder_LastTransition_Id = 15761
TemporaryFileTransferType_TransferState_Placeholder_LastTransition_Name = 15762
TemporaryFileTransferType_TransferState_Placeholder_LastTransition_Number = 15763
TemporaryFileTransferType_TransferState_Placeholder_LastTransition_TransitionTime = 15764
TemporaryFileTransferType_TransferState_Placeholder_Reset = 15794
TestingConditionClassType = 17221
Time = 292
TimeString = 12880
```

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TimeZoneDataType = 8912
TimeZoneDataType_Encoding_DefaultBinary = 8917
TimeZoneDataType_Encoding_DefaultJson = 15086
TimeZoneDataType_Encoding_DefaultXml = 8913
TimedShelveMethodType = 6102
TimedShelveMethodType_InputArguments = 6103
TimestampsToReturn = 625
TimestampsToReturn_EnumStrings = 7606
ToState = 52
TrainingConditionClassType = 17220
TransferResult = 836
TransferResult_Encoding_DefaultBinary = 838
TransferResult_Encoding_DefaultJson = 15356
TransferResult_Encoding_DefaultXml = 837
TransferSubscriptionsRequest = 839
TransferSubscriptionsRequest_Encoding_DefaultBinary = 841
TransferSubscriptionsRequest_Encoding_DefaultJson = 15357
TransferSubscriptionsRequest_Encoding_DefaultXml = 840
TransferSubscriptionsResponse = 842
TransferSubscriptionsResponse_Encoding_DefaultBinary = 844
TransferSubscriptionsResponse_Encoding_DefaultJson = 15358
TransferSubscriptionsResponse_Encoding_DefaultXml = 843
TransitionEventType = 2311
TransitionEventType_EventId = 3737
TransitionEventType_EventType = 3738
TransitionEventType_FromState = 2775
TransitionEventType_FromState_EffectiveDisplayName = 3749
TransitionEventType_FromState_Id = 3746
TransitionEventType_FromState_Name = 3747
TransitionEventType_FromState_Number = 3748
TransitionEventType_LocalTime = 3743
TransitionEventType_Message = 3744
TransitionEventType_ReceiveTime = 3742
TransitionEventType_Severity = 3745
TransitionEventType_SourceName = 3740
TransitionEventType_SourceNode = 3739
```

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TransitionEventType_Time = 3741
TransitionEventType_ToState = 2776
TransitionEventType_ToState_EffectiveDisplayName = 3753
TransitionEventType_ToState_Id = 3750
TransitionEventType_ToState_Name = 3751
TransitionEventType_ToState_Number = 3752
TransitionEventType_Transition = 2774
TransitionEventType_Transition_EffectiveTransitionTime = 11460
TransitionEventType_Transition_Id = 3754
TransitionEventType_Transition_Name = 3755
TransitionEventType_Transition_Number = 3756
TransitionEventType_Transition_TransitionTime = 3757
TransitionType = 2310
TransitionType_TransitionNumber = 2312
TransitionVariableType = 2762
TransitionVariableType_EffectiveTransitionTime = 11456
TransitionVariableType_Id = 2763
TransitionVariableType_Name = 2764
TransitionVariableType_Number = 2765
TransitionVariableType_TransitionTime = 2766
TranslateBrowsePathsToNodeIdsRequest = 552
TranslateBrowsePathsToNodeIdsRequest_Encoding_DefaultBinary = 554
TranslateBrowsePathsToNodeIdsRequest_Encoding_DefaultJson = 15193
TranslateBrowsePathsToNodeIdsRequest_Encoding_DefaultXml = 553
TranslateBrowsePathsToNodeIdsResponse = 555
TranslateBrowsePathsToNodeIdsResponse_Encoding_DefaultBinary = 557
TranslateBrowsePathsToNodeIdsResponse_Encoding_DefaultJson = 15194
TranslateBrowsePathsToNodeIdsResponse_Encoding_DefaultXml = 556
TransparentRedundancyType = 2036
TransparentRedundancyType_CurrentServerId = 2037
TransparentRedundancyType_RedundancySupport = 3188
TransparentRedundancyType_RedundantServerArray = 2038
TripAlarmType = 10751
TripAlarmType_AckedState = 10786
TripAlarmType_AckedState_EffectiveDisplayName = 10790
TripAlarmType_AckedState_EffectiveTransitionTime = 10792
```



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TripAlarmType_AckedState_FalseState = 10794
TripAlarmType_AckedState_Id = 10787
TripAlarmType_AckedState_Name = 10788
TripAlarmType_AckedState_Number = 10789
TripAlarmType_AckedState_TransitionTime = 10791
TripAlarmType_AckedState_TrueState = 10793
TripAlarmType_Acknowledge = 10804
TripAlarmType_Acknowledge_InputArguments = 10805
TripAlarmType_ActiveState = 10808
TripAlarmType_ActiveState_EffectiveDisplayName = 10812
TripAlarmType_ActiveState_EffectiveTransitionTime = 10814
TripAlarmType_ActiveState_FalseState = 10816
TripAlarmType_ActiveState_Id = 10809
TripAlarmType_ActiveState_Name = 10810
TripAlarmType_ActiveState_Number = 10811
TripAlarmType_ActiveState_TransitionTime = 10813
TripAlarmType_ActiveState_TrueState = 10815
TripAlarmType_AddComment = 10782
TripAlarmType_AddComment_InputArguments = 10783
TripAlarmType_AlarmGroup_Placeholder = 17038
TripAlarmType_AudibleEnabled = 17028
TripAlarmType_AudibleSound = 17029
TripAlarmType_AudibleSound_AgencyId = 17964
TripAlarmType_AudibleSound_ListId = 17963
TripAlarmType_AudibleSound_VersionId = 17965
TripAlarmType_BranchId = 10762
TripAlarmType_ClientUserId = 10779
TripAlarmType_Comment = 10777
TripAlarmType_Comment_SourceTimestamp = 10778
TripAlarmType_ConditionClassId = 11159
TripAlarmType_ConditionClassName = 11160
TripAlarmType_ConditionName = 10761
TripAlarmType_ConditionRefresh = 10784
TripAlarmType_ConditionRefresh2 = 13010
TripAlarmType_ConditionRefresh2_InputArguments = 13011
TripAlarmType_ConditionRefresh_InputArguments = 10785
```

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TripAlarmType_ConditionSubClassId = 17008
TripAlarmType_ConditionSubClassName = 17009
TripAlarmType_Confirm = 10806
TripAlarmType_Confirm_InputArguments = 10807
TripAlarmType_ConfirmedState = 10795
TripAlarmType_ConfirmedState_EffectiveDisplayName = 10799
TripAlarmType_ConfirmedState_EffectiveTransitionTime = 10801
TripAlarmType_ConfirmedState_FalseState = 10803
TripAlarmType_ConfirmedState_Id = 10796
TripAlarmType_ConfirmedState_Name = 10797
TripAlarmType_ConfirmedState_Number = 10798
TripAlarmType_ConfirmedState_TransitionTime = 10800
TripAlarmType_ConfirmedState_TrueState = 10802
TripAlarmType_Disable = 10781
TripAlarmType_Enable = 10780
TripAlarmType_EnabledState = 10764
TripAlarmType_EnabledState_EffectiveDisplayName = 10768
TripAlarmType_EnabledState_EffectiveTransitionTime = 10770
TripAlarmType_EnabledState_FalseState = 10772
TripAlarmType_EnabledState_Id = 10765
TripAlarmType_EnabledState_Name = 10766
TripAlarmType_EnabledState_Number = 10767
TripAlarmType_EnabledState_TransitionTime = 10769
TripAlarmType_EnabledState_TrueState = 10771
TripAlarmType_EventId = 10752
TripAlarmType_EventType = 10753
TripAlarmType_FirstInGroup = 17037
TripAlarmType_FirstInGroupFlag = 17036
TripAlarmType_InputNode = 11161
TripAlarmType_LastSeverity = 10775
TripAlarmType_LastSeverity_SourceTimestamp = 10776
TripAlarmType_LatchedState = 18337
TripAlarmType_LatchedState_EffectiveDisplayName = 18341
TripAlarmType_LatchedState_EffectiveTransitionTime = 18343
TripAlarmType_LatchedState_FalseState = 18345
TripAlarmType_LatchedState_Id = 18338
```

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TripAlarmType_LatchedState_Name = 18339
TripAlarmType_LatchedState_Number = 18340
TripAlarmType_LatchedState_TransitionTime = 18342
TripAlarmType_LatchedState_TrueState = 18344
TripAlarmType_LocalTime = 10758
TripAlarmType_MaxTimeShelved = 10864
TripAlarmType_Message = 10759
TripAlarmType_NormalState = 11162
TripAlarmType_OffDelay = 17035
TripAlarmType_OnDelay = 17034
TripAlarmType_OutOfServiceState = 17010
TripAlarmType_OutOfServiceState_EffectiveDisplayName = 17014
TripAlarmType_OutOfServiceState_EffectiveTransitionTime = 17016
TripAlarmType_OutOfServiceState_FalseState = 17018
TripAlarmType_OutOfServiceState_Id = 17011
TripAlarmType_OutOfServiceState_Name = 17012
TripAlarmType_OutOfServiceState_Number = 17013
TripAlarmType_OutOfServiceState_TransitionTime = 17015
TripAlarmType_OutOfServiceState_TrueState = 17017
TripAlarmType_PlaceInService = 17968
TripAlarmType_Quality = 10773
TripAlarmType_Quality_SourceTimestamp = 10774
TripAlarmType_ReAlarmRepeatCount = 17040
TripAlarmType_ReAlarmTime = 17039
TripAlarmType_ReceiveTime = 10757
TripAlarmType_RemoveFromService = 17967
TripAlarmType_Reset = 18346
TripAlarmType_Retain = 10763
TripAlarmType_Severity = 10760
TripAlarmType_ShelvingState = 10826
TripAlarmType_ShelvingState_AvailableStates = 17698
TripAlarmType_ShelvingState_AvailableTransitions = 17699
TripAlarmType_ShelvingState_CurrentState = 10827
TripAlarmType_ShelvingState_CurrentState_EffectiveDisplayName = 10831
TripAlarmType_ShelvingState_CurrentState_Id = 10828
TripAlarmType_ShelvingState_CurrentState_Name = 10829
```

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TripAlarmType_ShelvingState_CurrentState_Number = 10830
TripAlarmType_ShelvingState_LastTransition = 10832
TripAlarmType_ShelvingState_LastTransition_EffectiveTransitionTime = 11483
TripAlarmType_ShelvingState_LastTransition_Id = 10833
TripAlarmType_ShelvingState_LastTransition_Name = 10834
TripAlarmType_ShelvingState_LastTransition_Number = 10835
TripAlarmType_ShelvingState_LastTransition_TransitionTime = 10836
TripAlarmType_ShelvingState_OneShotShelve = 10860
TripAlarmType_ShelvingState_TimedShelve = 10861
TripAlarmType_ShelvingState_TimedShelve_InputArguments = 10862
TripAlarmType_ShelvingState_Unshelve = 10859
TripAlarmType_ShelvingState_UnshelveTime = 10837
TripAlarmType_Silence = 17041
TripAlarmType_SilenceState = 17019
TripAlarmType_SilenceState_EffectiveDisplayName = 17023
TripAlarmType_SilenceState_EffectiveTransitionTime = 17025
TripAlarmType_SilenceState_FalseState = 17027
TripAlarmType_SilenceState_Id = 17020
TripAlarmType_SilenceState_Name = 17021
TripAlarmType_SilenceState_Number = 17022
TripAlarmType_SilenceState_TransitionTime = 17024
TripAlarmType_SilenceState_TrueState = 17026
TripAlarmType_SourceName = 10755
TripAlarmType_SourceNode = 10754
TripAlarmType_Suppress = 17042
TripAlarmType_SuppressedOrShelved = 10863
TripAlarmType_SuppressedState = 10817
TripAlarmType_SuppressedState_EffectiveDisplayName = 10821
TripAlarmType_SuppressedState_EffectiveTransitionTime = 10823
TripAlarmType_SuppressedState_FalseState = 10825
TripAlarmType_SuppressedState_Id = 10818
TripAlarmType_SuppressedState_Name = 10819
TripAlarmType_SuppressedState_Number = 10820
TripAlarmType_SuppressedState_TransitionTime = 10822
TripAlarmType_SuppressedState_TrueState = 10824
TripAlarmType_Time = 10756
```

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TripAlarmType_Unsuppress = 17966
TrustListDataType = 12554
TrustListDataType_Encoding_DefaultBinary = 12680
TrustListDataType_Encoding_DefaultJson = 15044
TrustListDataType_Encoding_DefaultXml = 12676
TrustListMasks = 12552
TrustListMasks_EnumValues = 12553
TrustListType = 12522
TrustListType_AddCertificate = 12548
TrustListType_AddCertificate_InputArguments = 12549
TrustListType_Close = 12530
TrustListType_CloseAndUpdate = 12546
TrustListType_CloseAndUpdate_InputArguments = 12705
TrustListType_CloseAndUpdate_OutputArguments = 12547
TrustListType_Close_InputArguments = 12531
TrustListType_GetPosition = 12537
TrustListType_GetPosition_InputArguments = 12538
TrustListType_GetPosition_OutputArguments = 12539
TrustListType_LastUpdateTime = 12542
TrustListType_MimeType = 13403
TrustListType_Open = 12527
TrustListType_OpenCount = 12526
TrustListType_OpenWithMasks = 12543
TrustListType_OpenWithMasks_InputArguments = 12544
TrustListType_OpenWithMasks_OutputArguments = 12545
TrustListType_Open_InputArguments = 12528
TrustListType_Open_OutputArguments = 12529
TrustListType_Read = 12532
TrustListType_Read_InputArguments = 12533
TrustListType_Read_OutputArguments = 12534
TrustListType_RemoveCertificate = 12550
TrustListType_RemoveCertificate_InputArguments = 12551
TrustListType_SetPosition = 12540
TrustListType_SetPosition_InputArguments = 12541
TrustListType_Size = 12523
TrustListType_UserWritable = 12699
```

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TrustListType_Writable = 12698
TrustListType_Write = 12535
TrustListType_Write_InputArguments = 12536
TrustListUpdatedAuditEventType = 12561
TrustListUpdatedAuditEventType_ActionTimeStamp = 12571
TrustListUpdatedAuditEventType_ClientAuditEntryId = 12574
TrustListUpdatedAuditEventType_ClientUserId = 12575
TrustListUpdatedAuditEventType_EventId = 12562
TrustListUpdatedAuditEventType_EventType = 12563
TrustListUpdatedAuditEventType_InputArguments = 12577
TrustListUpdatedAuditEventType_LocalTime = 12568
TrustListUpdatedAuditEventType_Message = 12569
TrustListUpdatedAuditEventType_MethodId = 12576
TrustListUpdatedAuditEventType_ReceiveTime = 12567
TrustListUpdatedAuditEventType_ServerId = 12573
TrustListUpdatedAuditEventType_Severity = 12570
TrustListUpdatedAuditEventType_SourceName = 12565
TrustListUpdatedAuditEventType_SourceNode = 12564
TrustListUpdatedAuditEventType_Status = 12572
TrustListUpdatedAuditEventType_Time = 12566
TwoStateDiscreteType = 2373
TwoStateDiscreteType_Definition = 3778
TwoStateDiscreteType_FalseState = 2374
TwoStateDiscreteType_TrueState = 2375
TwoStateDiscreteType_ValuePrecision = 3779
TwoStateVariableType = 8995
TwoStateVariableType_EffectiveDisplayName = 8999
TwoStateVariableType_EffectiveTransitionTime = 9001
TwoStateVariableType_FalseState = 11111
TwoStateVariableType_Id = 8996
TwoStateVariableType_Name = 8997
TwoStateVariableType_Number = 8998
TwoStateVariableType_TransitionTime = 9000
TwoStateVariableType_TrueState = 11110
TypeNode = 11880
TypeNode_Encoding_DefaultBinary = 11890
```

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TypeNode_Encoding_DefaultJson = 15070
TypeNode_Encoding_DefaultXml = 11888
TypesFolder = 86
UABinaryFileDataType = 15006
UABinaryFileDataType_Encoding_DefaultBinary = 15422
UABinaryFileDataType_Encoding_DefaultJson = 15714
UABinaryFileDataType_Encoding_DefaultXml = 15531
UInt16 = 5
UInt32 = 7
UInt64 = 9
UInteger = 28
UadpDataSetMessageContentMask = 15646
UadpDataSetMessageContentMask_OptionSetValues = 15647
UadpDataSetReaderMessageDataType = 15653
UadpDataSetReaderMessageDataType_Encoding_DefaultBinary = 15718
UadpDataSetReaderMessageDataType_Encoding_DefaultJson = 16392
UadpDataSetReaderMessageDataType_Encoding_DefaultXml = 16016
UadpDataSetReaderMessageType = 21116
UadpDataSetReaderMessageType_DataSetClassId = 21120
UadpDataSetReaderMessageType_DataSetMessageContentMask = 21122
UadpDataSetReaderMessageType_DataSetOffset = 17477
UadpDataSetReaderMessageType_DataSetOrdering = 21118
UadpDataSetReaderMessageType_GroupVersion = 21117
UadpDataSetReaderMessageType_NetworkMessageContentMask = 21121
UadpDataSetReaderMessageType_NetworkMessageNumber = 21119
UadpDataSetReaderMessageType_ProcessingOffset = 21124
UadpDataSetReaderMessageType_PublishingInterval = 21123
UadpDataSetReaderMessageType_ReceiveOffset = 21125
UadpDataSetWriterMessageDataType = 15652
UadpDataSetWriterMessageDataType_Encoding_DefaultBinary = 15717
UadpDataSetWriterMessageDataType_Encoding_DefaultJson = 16391
UadpDataSetWriterMessageDataType_Encoding_DefaultXml = 16015
UadpDataSetWriterMessageType = 21111
UadpDataSetWriterMessageType_ConfiguredSize = 21113
UadpDataSetWriterMessageType_DataSetMessageContentMask = 21112
UadpDataSetWriterMessageType_DataSetOffset = 21115
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UadpDataSetWriterMessageType_NetworkMessageNumber = 21114
UadpNetworkMessageContentMask = 15642
UadpNetworkMessageContentMask_OptionSetValues = 15643
UadpWriterGroupMessageDataType = 15645
UadpWriterGroupMessageDataType_Encoding_DefaultBinary = 15715
UadpWriterGroupMessageDataType_Encoding_DefaultJson = 16323
UadpWriterGroupMessageDataType_Encoding_DefaultXml = 16014
UadpWriterGroupMessageType = 21105
UadpWriterGroupMessageType_DataSetOrdering = 21107
UadpWriterGroupMessageType_GroupVersion = 21106
UadpWriterGroupMessageType_NetworkMessageContentMask = 21108
UadpWriterGroupMessageType_PublishingOffset = 21110
UadpWriterGroupMessageType_SamplingOffset = 21109
Union = 12756
Union_Encoding_DefaultBinary = 12766
Union_Encoding_DefaultJson = 15085
Union_Encoding_DefaultXml = 12758
UnregisterNodesRequest = 564
UnregisterNodesRequest_Encoding_DefaultBinary = 566
UnregisterNodesRequest_Encoding_DefaultJson = 15197
UnregisterNodesRequest_Encoding_DefaultXml = 565
UnregisterNodesResponse = 567
UnregisterNodesResponse_Encoding_DefaultBinary = 569
UnregisterNodesResponse_Encoding_DefaultJson = 15198
UnregisterNodesResponse_Encoding_DefaultXml = 568
UpdateCertificateMethodType = 12578
UpdateCertificateMethodType_InputArguments = 12579
UpdateCertificateMethodType_OutputArguments = 12580
UpdateDataDetails = 680
UpdateDataDetails_Encoding_DefaultBinary = 682
UpdateDataDetails_Encoding_DefaultJson = 15280
UpdateDataDetails_Encoding_DefaultXml = 681
UpdateEventDetails = 683
UpdateEventDetails_Encoding_DefaultBinary = 685
UpdateEventDetails_Encoding_DefaultJson = 15282
UpdateEventDetails_Encoding_DefaultXml = 684
```



```
UpdateStructureDataDetails = 11295
UpdateStructureDataDetails_Encoding_DefaultBinary = 11300
UpdateStructureDataDetails_Encoding_DefaultJson = 15281
UpdateStructureDataDetails_Encoding_DefaultXml = 11296
UserIdentityToken = 316
UserIdentityToken_Encoding_DefaultBinary = 318
UserIdentityToken_Encoding_DefaultJson = 15140
UserIdentityToken_Encoding_DefaultXml = 317
UserNameIdentityToken = 322
UserNameIdentityToken_Encoding_DefaultBinary = 324
UserNameIdentityToken_Encoding_DefaultJson = 15142
UserNameIdentityToken_Encoding_DefaultXml = 323
UserTokenPolicy = 304
UserTokenPolicy_Encoding_DefaultBinary = 306
UserTokenPolicy_Encoding_DefaultJson = 15098
UserTokenPolicy_Encoding_DefaultXml = 305
UserTokenType = 303
UserTokenType_EnumStrings = 7596
UtcTime = 294
ValueAsText = 11433
VariableAttributes = 355
VariableAttributes_Encoding_DefaultBinary = 357
VariableAttributes_Encoding_DefaultJson = 15153
VariableAttributes_Encoding_DefaultXml = 356
VariableNode = 267
VariableNode_Encoding_DefaultBinary = 269
VariableNode_Encoding_DefaultJson = 15074
VariableNode_Encoding_DefaultXml = 268
VariableTypeAttributes = 364
VariableTypeAttributes_Encoding_DefaultBinary = 366
VariableTypeAttributes_Encoding_DefaultJson = 15159
VariableTypeAttributes_Encoding_DefaultXml = 365
VariableTypeNode = 270
VariableTypeNode_Encoding_DefaultBinary = 272
VariableTypeNode_Encoding_DefaultJson = 15075
VariableTypeNode_Encoding_DefaultXml = 271
```

```
VariableTypesFolder = 89
VendorServerInfoType = 2033
VersionTime = 20998
ViewAttributes = 373
ViewAttributes_Encoding_DefaultBinary = 375
ViewAttributes_Encoding_DefaultJson = 15162
ViewAttributes_Encoding_DefaultXml = 374
ViewDescription = 511
ViewDescription_Encoding_DefaultBinary = 513
ViewDescription_Encoding_DefaultJson = 15179
ViewDescription_Encoding_DefaultXml = 512
ViewNode = 279
ViewNode_Encoding_DefaultBinary = 281
ViewNode_Encoding_DefaultJson = 15078
ViewNode_Encoding_DefaultXml = 280
ViewVersion = 12170
ViewsFolder = 87
WellKnownRole_Anonymous = 15644
WellKnownRole_Anonymous_AddApplication = 16195
WellKnownRole_Anonymous_AddApplication_InputArguments = 16196
WellKnownRole_Anonymous_AddEndpoint = 16199
WellKnownRole_Anonymous_AddEndpoint_InputArguments = 16200
WellKnownRole_Anonymous_AddIdentity = 15648
WellKnownRole_Anonymous_AddIdentity_InputArguments = 15649
WellKnownRole_Anonymous_Applications = 16193
WellKnownRole_Anonymous_ApplicationsExclude = 15412
WellKnownRole_Anonymous_Endpoints = 16194
WellKnownRole_Anonymous_EndpointsExclude = 15413
WellKnownRole_Anonymous_Identities = 16192
WellKnownRole_Anonymous_RemoveApplication = 16197
WellKnownRole_Anonymous_RemoveApplication_InputArguments = 16198
WellKnownRole_Anonymous_RemoveEndpoint = 16201
WellKnownRole_Anonymous_RemoveEndpoint_InputArguments = 16202
WellKnownRole_Anonymous_RemoveIdentity = 15650
WellKnownRole_Anonymous_RemoveIdentity_InputArguments = 15651
WellKnownRole_AuthenticatedUser = 15656
```

```
WellKnownRole_AuthenticatedUser_AddApplication = 16206
WellKnownRole_AuthenticatedUser_AddApplication_InputArguments = 16207
WellKnownRole_AuthenticatedUser_AddEndpoint = 16210
WellKnownRole_AuthenticatedUser_AddEndpoint_InputArguments = 16211
WellKnownRole_AuthenticatedUser_AddIdentity = 15660
WellKnownRole_AuthenticatedUser_AddIdentity_InputArguments = 15661
WellKnownRole_AuthenticatedUser_Applications = 16204
WellKnownRole_AuthenticatedUser_ApplicationsExclude = 15414
WellKnownRole_AuthenticatedUser_Endpoints = 16205
WellKnownRole_AuthenticatedUser_EndpointsExclude = 15415
WellKnownRole_AuthenticatedUser_Identities = 16203
WellKnownRole_AuthenticatedUser_RemoveApplication = 16208
WellKnownRole_AuthenticatedUser_RemoveApplication_InputArguments = 16209
WellKnownRole_AuthenticatedUser_RemoveEndpoint = 16212
WellKnownRole_AuthenticatedUser_RemoveEndpoint_InputArguments = 16213
WellKnownRole_AuthenticatedUser_RemoveIdentity = 15662
WellKnownRole_AuthenticatedUser_RemoveIdentity_InputArguments = 15663
WellKnownRole_ConfigureAdmin = 15716
WellKnownRole_ConfigureAdmin_AddApplication = 16272
WellKnownRole_ConfigureAdmin_AddApplication_InputArguments = 16273
WellKnownRole_ConfigureAdmin_AddEndpoint = 16276
WellKnownRole_ConfigureAdmin_AddEndpoint_InputArguments = 16277
WellKnownRole_ConfigureAdmin_AddIdentity = 15720
WellKnownRole_ConfigureAdmin_AddIdentity_InputArguments = 15721
WellKnownRole_ConfigureAdmin_Applications = 16270
WellKnownRole_ConfigureAdmin_ApplicationsExclude = 15428
WellKnownRole_ConfigureAdmin_Endpoints = 16271
WellKnownRole_ConfigureAdmin_EndpointsExclude = 15429
WellKnownRole_ConfigureAdmin_Identities = 16269
WellKnownRole_ConfigureAdmin_RemoveApplication = 16274
WellKnownRole_ConfigureAdmin_RemoveApplication_InputArguments = 16275
WellKnownRole_ConfigureAdmin_RemoveEndpoint = 16278
WellKnownRole_ConfigureAdmin_RemoveEndpoint_InputArguments = 16279
WellKnownRole_ConfigureAdmin_RemoveIdentity = 15722
WellKnownRole_ConfigureAdmin_RemoveIdentity_InputArguments = 15723
WellKnownRole_Engineer = 16036
```

```
WellKnownRole_Engineer_AddApplication = 16239
WellKnownRole_Engineer_AddApplication_InputArguments = 16240
WellKnownRole_Engineer_AddEndpoint = 16243
WellKnownRole_Engineer_AddEndpoint_InputArguments = 16244
WellKnownRole_Engineer_AddIdentity = 16041
WellKnownRole_Engineer_AddIdentity_InputArguments = 16042
WellKnownRole_Engineer_Applications = 16237
WellKnownRole_Engineer_ApplicationsExclude = 15424
WellKnownRole_Engineer_Endpoints = 16238
WellKnownRole_Engineer_EndpointsExclude = 15425
WellKnownRole_Engineer_Identities = 16236
WellKnownRole_Engineer_RemoveApplication = 16241
WellKnownRole_Engineer_RemoveApplication_InputArguments = 16242
WellKnownRole_Engineer_RemoveEndpoint = 16245
WellKnownRole_Engineer_RemoveEndpoint_InputArguments = 16246
WellKnownRole_Engineer_RemoveIdentity = 16043
WellKnownRole_Engineer_RemoveIdentity_InputArguments = 16044
WellKnownRole_Observer = 15668
WellKnownRole_Observer_AddApplication = 16217
WellKnownRole_Observer_AddApplication_InputArguments = 16218
WellKnownRole_Observer_AddEndpoint = 16221
WellKnownRole_Observer_AddEndpoint_InputArguments = 16222
WellKnownRole_Observer_AddIdentity = 15672
WellKnownRole_Observer_AddIdentity_InputArguments = 15673
WellKnownRole_Observer_Applications = 16215
WellKnownRole_Observer_ApplicationsExclude = 15416
WellKnownRole_Observer_Endpoints = 16216
WellKnownRole_Observer_EndpointsExclude = 15417
WellKnownRole_Observer_Identities = 16214
WellKnownRole_Observer_RemoveApplication = 16219
WellKnownRole_Observer_RemoveApplication_InputArguments = 16220
WellKnownRole_Observer_RemoveEndpoint = 16223
WellKnownRole_Observer_RemoveEndpoint_InputArguments = 16224
WellKnownRole_Observer_RemoveIdentity = 15674
WellKnownRole_Observer_RemoveIdentity_InputArguments = 15675
WellKnownRole_Operator = 15680
```

```
WellKnownRole_Operator_AddApplication = 16228
WellKnownRole_Operator_AddApplication_InputArguments = 16229
WellKnownRole_Operator_AddEndpoint = 16232
WellKnownRole_Operator_AddEndpoint_InputArguments = 16233
WellKnownRole_Operator_AddIdentity = 15684
WellKnownRole_Operator_AddIdentity_InputArguments = 15685
WellKnownRole_Operator_Applications = 16226
WellKnownRole_Operator_ApplicationsExclude = 15418
WellKnownRole_Operator_Endpoints = 16227
WellKnownRole_Operator_EndpointsExclude = 15423
WellKnownRole_Operator_Identities = 16225
WellKnownRole_Operator_RemoveApplication = 16230
WellKnownRole_Operator_RemoveApplication_InputArguments = 16231
WellKnownRole_Operator_RemoveEndpoint = 16234
WellKnownRole_Operator_RemoveEndpoint_InputArguments = 16235
WellKnownRole_Operator_RemoveIdentity = 15686
WellKnownRole_Operator_RemoveIdentity_InputArguments = 15687
WellKnownRole_SecurityAdmin = 15704
WellKnownRole_SecurityAdmin_AddApplication = 16261
WellKnownRole_SecurityAdmin_AddApplication_InputArguments = 16262
WellKnownRole_SecurityAdmin_AddEndpoint = 16265
WellKnownRole_SecurityAdmin_AddEndpoint_InputArguments = 16266
WellKnownRole_SecurityAdmin_AddIdentity = 15708
WellKnownRole_SecurityAdmin_AddIdentity_InputArguments = 15709
WellKnownRole_SecurityAdmin_Applications = 16259
WellKnownRole_SecurityAdmin_ApplicationsExclude = 15430
WellKnownRole_SecurityAdmin_Endpoints = 16260
WellKnownRole_SecurityAdmin_EndpointsExclude = 15527
WellKnownRole_SecurityAdmin_Identities = 16258
WellKnownRole_SecurityAdmin_RemoveApplication = 16263
WellKnownRole_SecurityAdmin_RemoveApplication_InputArguments = 16264
WellKnownRole_SecurityAdmin_RemoveEndpoint = 16267
WellKnownRole_SecurityAdmin_RemoveEndpoint_InputArguments = 16268
WellKnownRole_SecurityAdmin_RemoveIdentity = 15710
WellKnownRole_SecurityAdmin_RemoveIdentity_InputArguments = 15711
WellKnownRole_Supervisor = 15692
```

```
WellKnownRole_Supervisor_AddApplication = 16250
WellKnownRole_Supervisor_AddApplication_InputArguments = 16251
WellKnownRole_Supervisor_AddEndpoint = 16254
WellKnownRole_Supervisor_AddEndpoint_InputArguments = 16255
WellKnownRole_Supervisor_AddIdentity = 15696
WellKnownRole_Supervisor_AddIdentity_InputArguments = 15697
WellKnownRole_Supervisor_Applications = 16248
WellKnownRole_Supervisor_ApplicationsExclude = 15426
WellKnownRole_Supervisor_Endpoints = 16249
WellKnownRole_Supervisor_EndpointsExclude = 15427
WellKnownRole_Supervisor_Identities = 16247
WellKnownRole_Supervisor_RemoveApplication = 16252
WellKnownRole_Supervisor_RemoveApplication_InputArguments = 16253
WellKnownRole_Supervisor_RemoveEndpoint = 16256
WellKnownRole_Supervisor_RemoveEndpoint_InputArguments = 16257
WellKnownRole_Supervisor_RemoveIdentity = 15698
WellKnownRole_Supervisor_RemoveIdentity_InputArguments = 15699
WriteMethodType = 11746
WriteMethodType_InputArguments = 11747
WriteRequest = 671
WriteRequest_Encoding_DefaultBinary = 673
WriteRequest_Encoding_DefaultJson = 15277
WriteRequest_Encoding_DefaultXml = 672
WriteResponse = 674
WriteResponse_Encoding_DefaultBinary = 676
WriteResponse_Encoding_DefaultJson = 15278
WriteResponse_Encoding_DefaultXml = 675
WriteValue = 668
WriteValue_Encoding_DefaultBinary = 670
WriteValue_Encoding_DefaultJson = 15276
WriteValue_Encoding_DefaultXml = 669
WriterGroupDataType = 15480
WriterGroupDataType_Encoding_DefaultBinary = 21150
WriterGroupDataType_Encoding_DefaultJson = 21198
WriterGroupDataType_Encoding_DefaultXml = 21174
WriterGroupMessageDataType = 15616
```

```
WriterGroupMessageDataType_Encoding_DefaultBinary = 15693
WriterGroupMessageDataType_Encoding_DefaultJson = 16280
WriterGroupMessageDataType_Encoding_DefaultXml = 15991
WriterGroupMessageType = 17998
WriterGroupTransportDataType = 15611
WriterGroupTransportDataType_Encoding_DefaultBinary = 15691
WriterGroupTransportDataType_Encoding_DefaultJson = 16161
WriterGroupTransportDataType_Encoding_DefaultXml = 15990
WriterGroupTransportType = 17997
WriterGroupType = 17725
WriterGroupType_AddDataSetWriter = 17969
WriterGroupType_AddDataSetWriter_InputArguments = 17976
WriterGroupType_AddDataSetWriter_OutputArguments = 17987
WriterGroupType_DataSetWriterName_Placeholder = 17743
WriterGroupType_DataSetWriterName_Placeholder_DataSetFieldContentMask = 17745
WriterGroupType_DataSetWriterName_Placeholder_DataSetWriterId = 17744
WriterGroupType_DataSetWriterName_Placeholder_DataSetWriterProperties = 17490
WriterGroupType_DataSetWriterName_Placeholder_Diagnostics = 17753
WriterGroupType_DataSetWriterName_Placeholder_Diagnostics_Counters = 17767
WriterGroupType_DataSetWriterName_Placeholder_Diagnostics_Counters_FailedDataSetMessage = 17768
WriterGroupType_DataSetWriterName_Placeholder_Diagnostics_Counters_FailedDataSetMessage_Reason = 17769
WriterGroupType_DataSetWriterName_Placeholder_Diagnostics_Counters_FailedDataSetMessage_Severity = 17770
WriterGroupType_DataSetWriterName_Placeholder_Diagnostics_Counters_FailedDataSetMessage_State = 17771
WriterGroupType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateDisabledByMethod = 17772
WriterGroupType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateDisabledByMethod_Reason = 17773
WriterGroupType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateDisabledByMethod_Severity = 17774
WriterGroupType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateDisabledByMethod_State = 17775
WriterGroupType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateError = 17768
WriterGroupType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateError_Active = 17769
WriterGroupType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateError_Classification = 17770
WriterGroupType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateError_DiagnosticId = 17771
WriterGroupType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateError_TimeFirstOccurrence = 17772
WriterGroupType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateOperationalByMethod = 17773
WriterGroupType_DataSetWriterName_Placeholder_Diagnostics_Counters_StateOperationalByMethod_Reason = 17774
```

WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperationalByM  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperationalByM  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperationalByM  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperationalByP  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperationalByP  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperationalByP  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperationalByP  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperationalByP  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperationalFrom  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperationalFrom  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperationalFrom  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperationalFrom  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StateOperationalFrom  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StatePausedByParent  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StatePausedByParent  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StatePausedByParent  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StatePausedByParent  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_Counters\_StatePausedByParent  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_DiagnosticsLevel = 17754  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues = 17798  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_MajorVersion = 17  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_MajorVersion\_Diag  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_MessageSequenceNum  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_MessageSequenceNum  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_MinorVersion = 17  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_MinorVersion\_Diag  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_StatusCode = 1780  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_LiveValues\_StatusCode\_Diagno  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_Reset = 17765  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_SubError = 17766  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalError = 17760  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalError\_Active = 17761  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalError\_Classification =  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalError\_DiagnosticsLevel  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalError\_TimeFirstChange =  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalInformation = 17755



WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalInformation\_Active = 17745  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalInformation\_Classification = 17746  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalInformation\_DiagnosticsLevel = 17747  
WriterGroupType\_DataSetWriterName\_Placeholder\_Diagnostics\_TotalInformation\_TimeFirstChange = 17748  
WriterGroupType\_DataSetWriterName\_Placeholder\_KeyFrameCount = 17746  
WriterGroupType\_DataSetWriterName\_Placeholder\_MessageSettings = 17748  
WriterGroupType\_DataSetWriterName\_Placeholder\_Status = 17749  
WriterGroupType\_DataSetWriterName\_Placeholder\_Status\_Disable = 17752  
WriterGroupType\_DataSetWriterName\_Placeholder\_Status\_Enable = 17751  
WriterGroupType\_DataSetWriterName\_Placeholder\_Status\_State = 17750  
WriterGroupType\_DataSetWriterName\_Placeholder\_TransportSettings = 17747  
WriterGroupType\_Diagnostics = 17812  
WriterGroupType\_Diagnostics\_Counters = 17826  
WriterGroupType\_Diagnostics\_Counters\_EncryptionErrors = 17900  
WriterGroupType\_Diagnostics\_Counters\_EncryptionErrors\_Active = 17901  
WriterGroupType\_Diagnostics\_Counters\_EncryptionErrors\_Classification = 17902  
WriterGroupType\_Diagnostics\_Counters\_EncryptionErrors\_DiagnosticsLevel = 17903  
WriterGroupType\_Diagnostics\_Counters\_EncryptionErrors\_TimeFirstChange = 17906  
WriterGroupType\_Diagnostics\_Counters\_FailedTransmissions = 17874  
WriterGroupType\_Diagnostics\_Counters\_FailedTransmissions\_Active = 17878  
WriterGroupType\_Diagnostics\_Counters\_FailedTransmissions\_Classification = 17885  
WriterGroupType\_Diagnostics\_Counters\_FailedTransmissions\_DiagnosticsLevel = 17892  
WriterGroupType\_Diagnostics\_Counters\_FailedTransmissions\_TimeFirstChange = 17899  
WriterGroupType\_Diagnostics\_Counters\_SentNetworkMessages = 17859  
WriterGroupType\_Diagnostics\_Counters\_SentNetworkMessages\_Active = 17864  
WriterGroupType\_Diagnostics\_Counters\_SentNetworkMessages\_Classification = 17871  
WriterGroupType\_Diagnostics\_Counters\_SentNetworkMessages\_DiagnosticsLevel = 17872  
WriterGroupType\_Diagnostics\_Counters\_SentNetworkMessages\_TimeFirstChange = 17873  
WriterGroupType\_Diagnostics\_Counters\_StateDisabledByMethod = 17853  
WriterGroupType\_Diagnostics\_Counters\_StateDisabledByMethod\_Active = 17854  
WriterGroupType\_Diagnostics\_Counters\_StateDisabledByMethod\_Classification = 17855  
WriterGroupType\_Diagnostics\_Counters\_StateDisabledByMethod\_DiagnosticsLevel = 17856  
WriterGroupType\_Diagnostics\_Counters\_StateDisabledByMethod\_TimeFirstChange = 17857  
WriterGroupType\_Diagnostics\_Counters\_StateError = 17827  
WriterGroupType\_Diagnostics\_Counters\_StateError\_Active = 17828  
WriterGroupType\_Diagnostics\_Counters\_StateError\_Classification = 17829

```
WriterGroupType_Diagnostics_Counters_StateError_DiagnosticsLevel = 17830
WriterGroupType_Diagnostics_Counters_StateError_TimeFirstChange = 17831
WriterGroupType_Diagnostics_Counters_StateOperationalByMethod = 17832
WriterGroupType_Diagnostics_Counters_StateOperationalByMethod_Active = 17833
WriterGroupType_Diagnostics_Counters_StateOperationalByMethod_Classification = 17834
WriterGroupType_Diagnostics_Counters_StateOperationalByMethod_DiagnosticsLevel = 17835
WriterGroupType_Diagnostics_Counters_StateOperationalByMethod_TimeFirstChange = 17836
WriterGroupType_Diagnostics_Counters_StateOperationalByParent = 17837
WriterGroupType_Diagnostics_Counters_StateOperationalByParent_Active = 17838
WriterGroupType_Diagnostics_Counters_StateOperationalByParent_Classification = 17839
WriterGroupType_Diagnostics_Counters_StateOperationalByParent_DiagnosticsLevel = 17840
WriterGroupType_Diagnostics_Counters_StateOperationalByParent_TimeFirstChange = 17841
WriterGroupType_Diagnostics_Counters_StateOperationalFromError = 17842
WriterGroupType_Diagnostics_Counters_StateOperationalFromError_Active = 17843
WriterGroupType_Diagnostics_Counters_StateOperationalFromError_Classification = 17844
WriterGroupType_Diagnostics_Counters_StateOperationalFromError_DiagnosticsLevel = 17845
WriterGroupType_Diagnostics_Counters_StateOperationalFromError_TimeFirstChange = 17846
WriterGroupType_Diagnostics_Counters_StatePausedByParent = 17847
WriterGroupType_Diagnostics_Counters_StatePausedByParent_Active = 17848
WriterGroupType_Diagnostics_Counters_StatePausedByParent_Classification = 17849
WriterGroupType_Diagnostics_Counters_StatePausedByParent_DiagnosticsLevel = 17850
WriterGroupType_Diagnostics_Counters_StatePausedByParent_TimeFirstChange = 17851
WriterGroupType_Diagnostics_DiagnosticsLevel = 17813
WriterGroupType_Diagnostics_LiveValues = 17858
WriterGroupType_Diagnostics_LiveValues_ConfiguredDataSetWriters = 17913
WriterGroupType_Diagnostics_LiveValues_ConfiguredDataSetWriters_DiagnosticsLevel = 17914
WriterGroupType_Diagnostics_LiveValues_OperationalDataSetWriters = 17927
WriterGroupType_Diagnostics_LiveValues_OperationalDataSetWriters_DiagnosticsLevel = 17928
WriterGroupType_Diagnostics_LiveValues_SecurityTokenID = 17941
WriterGroupType_Diagnostics_LiveValues_SecurityTokenID_DiagnosticsLevel = 17948
WriterGroupType_Diagnostics_LiveValues_TimeToNextTokenID = 17955
WriterGroupType_Diagnostics_LiveValues_TimeToNextTokenID_DiagnosticsLevel = 17962
WriterGroupType_Diagnostics_Reset = 17824
WriterGroupType_Diagnostics_SubError = 17825
WriterGroupType_Diagnostics_TotalError = 17819
WriterGroupType_Diagnostics_TotalError_Active = 17820
```

```
WriterGroupType_Diagnostics_TotalError_Classification = 17821
WriterGroupType_Diagnostics_TotalError_DiagnosticsLevel = 17822
WriterGroupType_Diagnostics_TotalError_TimeFirstChange = 17823
WriterGroupType_Diagnostics_TotalInformation = 17814
WriterGroupType_Diagnostics_TotalInformation_Active = 17815
WriterGroupType_Diagnostics_TotalInformation_Classification = 17816
WriterGroupType_Diagnostics_TotalInformation_DiagnosticsLevel = 17817
WriterGroupType_Diagnostics_TotalInformation_TimeFirstChange = 17818
WriterGroupType_GroupProperties = 17489
WriterGroupType_KeepAliveTime = 17738
WriterGroupType_LocaleIds = 17740
WriterGroupType_MaxNetworkMessageSize = 17729
WriterGroupType_MessageSettings = 17742
WriterGroupType_Priority = 17739
WriterGroupType_PublishingInterval = 17737
WriterGroupType_RemoveDataSetWriter = 17992
WriterGroupType_RemoveDataSetWriter_InputArguments = 17993
WriterGroupType_SecurityGroupId = 17727
WriterGroupType_SecurityKeyServices = 17728
WriterGroupType_SecurityMode = 17726
WriterGroupType_Status = 17730
WriterGroupType_Status_Disable = 17735
WriterGroupType_Status_Enable = 17734
WriterGroupType_Status_State = 17731
WriterGroupType_TransportSettings = 17741
WriterGroupType_WriterGroupId = 17736
X509IdentityToken = 325
X509IdentityToken_Encoding_DefaultBinary = 327
X509IdentityToken_Encoding_DefaultJson = 15143
X509IdentityToken_Encoding_DefaultXml = 326
XVType = 12080
XVType_Encoding_DefaultBinary = 12090
XVType_Encoding_DefaultJson = 15380
XVType_Encoding_DefaultXml = 12082
XYArrayItemType = 12038
XYArrayItemType_AxisScaleType = 12045
```

```
XYArrayItemType_Definition = 12039
XYArrayItemType_EURange = 12042
XYArrayItemType_EngineeringUnits = 12043
XYArrayItemType_InstrumentRange = 12041
XYArrayItemType_Title = 12044
XYArrayItemType_ValuePrecision = 12040
XYArrayItemType_XAxisDefinition = 12046
XmlElement = 16
XmlSchema_TypeSystem = 92
YArrayItemType = 12029
YArrayItemType_AxisScaleType = 12036
YArrayItemType_Definition = 12030
YArrayItemType_EURange = 12033
YArrayItemType_EngineeringUnits = 12034
YArrayItemType_InstrumentRange = 12032
YArrayItemType_Title = 12035
YArrayItemType_ValuePrecision = 12031
YArrayItemType_XAxisDefinition = 12037
```

### `opcua.ua.status_codes` module

```
class opcua.ua.status_codes.StatusCodes
    Bases: object

    Bad = 2147483648
    BadAggregateConfigurationRejected = 2161770496
    BadAggregateInvalidInputs = 2161508352
    BadAggregateListMismatch = 2161377280
    BadAggregateNotSupported = 2161442816
    BadAlreadyExists = 2165637120
    BadApplicationSignatureInvalid = 2153250816
    BadArgumentsMissing = 2155216896
    BadAttributeIdInvalid = 2150957056
    BadBoundNotFound = 2161573888
    BadBoundNotSupported = 2161639424
    BadBrowseDirectionInvalid = 2152529920
    BadBrowseNameDuplicated = 2153840640
    BadBrowseNameInvalid = 2153775104
```

BadCertificateChainIncomplete = 2165112832  
BadCertificateHostNameInvalid = 2148925440  
BadCertificateInvalid = 2148663296  
BadCertificateIssuerRevocationUnknown = 2149318656  
BadCertificateIssuerRevoked = 2149449728  
BadCertificateIssuerTimeInvalid = 2148859904  
BadCertificateIssuerUseNotAllowed = 2149122048  
BadCertificatePolicyCheckFailed = 2165571584  
BadCertificateRevocationUnknown = 2149253120  
BadCertificateRevoked = 2149384192  
BadCertificateTimeInvalid = 2148794368  
BadCertificateUntrusted = 2149187584  
BadCertificateUriInvalid = 2148990976  
BadCertificateUseNotAllowed = 2149056512  
BadCommunicationError = 2147811328  
BadConditionAlreadyDisabled = 2157445120  
BadConditionAlreadyEnabled = 2160852992  
BadConditionAlreadyShelved = 2161180672  
BadConditionBranchAlreadyAked = 2161049600  
BadConditionBranchAlreadyConfirmed = 2161115136  
BadConditionDisabled = 2157510656  
BadConditionNotShelved = 2161246208  
BadConfigurationError = 2156462080  
BadConnectionClosed = 2158886912  
BadConnectionRejected = 2158755840  
BadContentFilterInvalid = 2152202240  
BadContinuationPointInvalid = 2152333312  
BadDataEncodingInvalid = 2151153664  
BadDataEncodingUnsupported = 2151219200  
BadDataLost = 2157772800  
BadDataTypeIdUnknown = 2148597760  
BadDataUnavailable = 2157838336  
BadDeadbandFilterInvalid = 2156789760  
BadDecodingError = 2147942400  
BadDependentValueChanged = 2162360320  
BadDeviceFailure = 2156593152

```
BadDialogNotActive = 2160918528
BadDialogResponseInvalid = 2160984064
BadDisconnect = 2158821376
BadDiscoveryUrlMissing = 2152792064
BadDominantValueChanged = 2162229248
BadDuplicateReferenceNotAllowed = 2154168320
BadEncodingError = 2147876864
BadEncodingLimitsExceeded = 2148007936
BadEndOfStream = 2159017984
BadEntryExists = 2157903872
BadEventFilterInvalid = 2152136704
BadEventIdUnknown = 2157576192
BadEventNotAcknowledgeable = 2159738880
BadExpectedStreamToBlock = 2159280128
BadFilterElementInvalid = 2160328704
BadFilterLiteralInvalid = 2160394240
BadFilterNotAllowed = 2152005632
BadFilterOperandCountMismatch = 2160263168
BadFilterOperandInvalid = 2152267776
BadFilterOperatorInvalid = 2160132096
BadFilterOperatorUnsupported = 2160197632
BadHistoryOperationInvalid = 2154889216
BadHistoryOperationUnsupported = 2154954752
BadIdentityChangeNotSupported = 2160459776
BadIdentityTokenInvalid = 2149580800
BadIdentityTokenRejected = 2149646336
BadIndexRangeInvalid = 2151022592
BadIndexRangeNoData = 2151088128
BadInsufficientClientProfile = 2155610112
BadInternalError = 2147614720
BadInvalidArgument = 2158690304
BadInvalidSelfReference = 2154233856
BadInvalidState = 2158952448
BadInvalidTimestamp = 2149777408
BadInvalidTimestampArgument = 2159869952
BadLicenseExpired = 2165178368
```

```
BadLicenseLimitsExceeded = 2165243904
BadLicenseNotAvailable = 2165309440
BadMaxAgeInvalid = 2154823680
BadMaxConnectionsReached = 2159476736
BadMessageNotAvailable = 2155544576
BadMethodInvalid = 2155151360
BadMonitoredItemFilterInvalid = 2151874560
BadMonitoredItemFilterUnsupported = 2151940096
BadMonitoredItemIdInvalid = 2151809024
BadMonitoringModeInvalid = 2151743488
BadNoCommunication = 2150694912
BadNoContinuationPoints = 2152398848
BadNoData = 2157641728
BadNoDataAvailable = 2159083520
BadNoDeleteRights = 2154364928
BadNoEntryExists = 2157969408
BadNoMatch = 2154758144
BadNoSubscription = 2155413504
BadNoValidCertificates = 2153316352
BadNodeAttributesInvalid = 2153906176
BadNodeClassInvalid = 2153709568
BadNodeIdExists = 2153644032
BadNodeIdInvalid = 2150825984
BadNodeIdRejected = 2153578496
BadNodeIdUnknown = 2150891520
BadNodeNotInView = 2152595456
BadNonceInvalid = 2149842944
BadNotConnected = 2156527616
BadNotExecutable = 2165374976
BadNotFound = 2151546880
BadNotImplemented = 2151677952
BadNotReadable = 2151284736
BadNotSupported = 2151481344
BadNotTypeDefinition = 2160590848
BadNotWritable = 2151350272
BadNothingToDo = 2148466688
```

```
BadNumericOverflow = 2165440512
BadObjectDeleted = 2151612416
BadOperationAbandoned = 2159214592
BadOutOfMemory = 2147680256
BadOutOfRange = 2151415808
BadOutOfService = 2156724224
BadParentNodeIdInvalid = 2153447424
BadProtocolVersionUnsupported = 2159935488
BadQueryTooComplex = 2154692608
BadReferenceLocalOnly = 2154299392
BadReferenceNotAllowed = 2153512960
BadReferenceTypeIdInvalid = 2152464384
BadRefreshInProgress = 2157379584
BadRequestCancelledByClient = 2150367232
BadRequestCancelledByRequest = 2153381888
BadRequestHeaderInvalid = 2150236160
BadRequestInterrupted = 2156134400
BadRequestNotAllowed = 2162425856
BadRequestNotComplete = 2165506048
BadRequestTimeout = 2156199936
BadRequestTooLarge = 2159542272
BadRequestTypeInvalid = 2152923136
BadResourceUnavailable = 2147745792
BadResponseTooLarge = 2159607808
BadSecureChannelClosed = 2156265472
BadSecureChannelIdInvalid = 2149711872
BadSecureChannelTokenUnknown = 2156331008
BadSecurityChecksFailed = 2148728832
BadSecurityModeInsufficient = 2162556928
BadSecurityModeRejected = 2152988672
BadSecurityPolicyRejected = 2153054208
BadSemaphoreFileMissing = 2152857600
BadSensorFailure = 2156658688
BadSequenceNumberInvalid = 2156396544
BadSequenceNumberUnknown = 2155479040
BadServerHalted = 2148401152
```



```
BadServerIndexInvalid = 2154430464
BadServerNameMissing = 2152726528
BadServerNotConnected = 2148335616
BadServerUriInvalid = 2152660992
BadServiceUnsupported = 2148204544
BadSessionClosed = 2149974016
BadSessionIdInvalid = 2149908480
BadSessionNotActivated = 2150039552
BadShelvingTimeOutOfRange = 2161311744
BadShutdown = 2148270080
BadSourceNodeIdInvalid = 2154037248
BadStateNotActive = 2160001024
BadStructureMissing = 2152071168
BadSubscriptionIdInvalid = 2150105088
BadSyntaxError = 2159411200
BadTargetNodeIdInvalid = 2154102784
BadTcpEndpointUrlInvalid = 2156068864
BadTcpInternalError = 2156003328
BadTcpMessageTooLarge = 2155872256
BadTcpMessageTypeInvalid = 2155741184
BadTcpNotEnoughResources = 2155937792
BadTcpSecureChannelUnknown = 2155806720
BadTcpServerTooBusy = 2155675648
BadTimeout = 2148139008
BadTimestampNotSupported = 2158034944
BadTimestampsToReturnInvalid = 2150301696
BadTooManyArguments = 2162491392
BadTooManyMatches = 2154627072
BadTooManyMonitoredItems = 2161836032
BadTooManyOperations = 2148532224
BadTooManyPublishRequests = 2155347968
BadTooManySessions = 2153119744
BadTooManySubscriptions = 2155282432
BadTypeDefinitionInvalid = 2153971712
BadTypeMismatch = 2155085824
BadUnexpectedError = 2147549184
```

```
BadUnknownResponse = 2148073472
BadUserAccessDenied = 2149515264
BadUserSignatureInvalid = 2153185280
BadViewIdUnknown = 2154496000
BadViewParameterMismatch = 2160721920
BadViewTimestampInvalid = 2160656384
BadViewVersionInvalid = 2160787456
BadWaitingForInitialData = 2150760448
BadWaitingForResponse = 2159149056
BadWouldBlock = 2159345664
BadWriteNotSupported = 2155020288
Good = 0
GoodCallAgain = 11075584
GoodClamped = 3145728
GoodCommunicationEvent = 10944512
GoodCompletesAsynchronously = 3014656
GoodDataIgnored = 14221312
GoodDependentValueChanged = 14680064
GoodEdited = 14417920
GoodEntryInserted = 10616832
GoodEntryReplaced = 10682368
GoodLocalOverride = 9830400
GoodMoreData = 10878976
GoodNoData = 10813440
GoodNonCriticalTimeout = 11141120
GoodOverload = 3080192
GoodPostActionFailed = 14483456
GoodResultsMayBeIncomplete = 12189696
GoodShutdownEvent = 11010048
GoodSubscriptionTransferred = 2949120
Uncertain = 1073741824
UncertainDataSubNormal = 1084489728
UncertainDependentValueChanged = 1088552960
UncertainDominantValueChanged = 1088290816
UncertainEngineeringUnitsExceeded = 1083441152
UncertainInitialValue = 1083310080
```

```

UncertainLastUsableValue = 1083179008
UncertainNoCommunicationLastUsableValue = 1083113472
UncertainNotAllNodesAvailable = 1086324736
UncertainReferenceNotDeleted = 1086062592
UncertainReferenceOutOfServer = 1080819712
UncertainSensorNotAccurate = 1083375616
UncertainSubNormal = 1083506688
UncertainSubstituteValue = 1083244544

```

```
opcua.ua.status_codes.get_name_and_doc(val)
```

### opcua.ua.uaprotocol\_auto module

Autogenerate code from xml spec

```

class opcua.ua.uaprotocol_auto.AccessLevelExType
    Bases: enum.IntEnum

```

#### Variables

- **None** (0) –
- **CurrentRead** (1) –
- **CurrentWrite** (2) –
- **HistoryRead** (4) –
- **HistoryWrite** (16) –
- **StatusWrite** (32) –
- **TimestampWrite** (64) –
- **NonatomicRead** (65536) –
- **NonatomicWrite** (131072) –
- **WriteFullArrayOnly** (262144) –

```

CurrentRead = 1
CurrentWrite = 2
HistoryRead = 4
HistoryWrite = 16
NonatomicRead = 65536
NonatomicWrite = 131072
None_ = 0
StatusWrite = 32
TimestampWrite = 64
WriteFullArrayOnly = 262144

```

```

class opcua.ua.uaprotocol_auto.AccessLevelType
    Bases: enum.IntEnum

```

**Variables**

- **None** (0) –
- **CurrentRead** (1) –
- **CurrentWrite** (2) –
- **HistoryRead** (4) –
- **HistoryWrite** (16) –
- **StatusWrite** (32) –
- **TimestampWrite** (64) –

**CurrentRead** = 1

**CurrentWrite** = 2

**HistoryRead** = 4

**HistoryWrite** = 16

**None\_** = 0

**StatusWrite** = 32

**TimestampWrite** = 64

**class** opcua.ua.uaprotocol\_auto.**ActivateSessionParameters**

Bases: object

**Variables**

- **ClientSignature** (SignatureData) –
- **ClientSoftwareCertificates** (SignedSoftwareCertificate) –
- **LocaleIds** (String) –
- **UserIdentityToken** (ExtensionObject) –
- **UserTokenSignature** (SignatureData) –

**ua\_types** = [('ClientSignature', 'SignatureData'), ('ClientSoftwareCertificates', 'List

**class** opcua.ua.uaprotocol\_auto.**ActivateSessionRequest**

Bases: object

Activates a session with the server.

**Variables**

- **TypeId** (NodeId) –
- **RequestHeader** (RequestHeader) –
- **Parameters** (ActivateSessionParameters) –

**ua\_types** = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'A

**class** opcua.ua.uaprotocol\_auto.**ActivateSessionResponse**

Bases: object

Activates a session with the server.

**Variables**

- **TypeId** (NodeId) –

- **ResponseHeader** (*ResponseHeader*) –
- **Parameters** (*ActivateSessionResult*) –

**ua\_types** = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Parameters', 'Parameters')]

**class** opcua.ua.uaprotocol\_auto.**ActivateSessionResult**

Bases: object

#### Variables

- **ServerNonce** (*ByteString*) –
- **Results** (*StatusCode*) –
- **DiagnosticInfos** (*DiagnosticInfo*) –

**ua\_types** = [('ServerNonce', 'ByteString'), ('Results', 'ListOfStatusCode'), ('DiagnosticInfos', 'DiagnosticInfo')]

**class** opcua.ua.uaprotocol\_auto.**AddNodesItem**

Bases: object

A request to add a node to the server address space.

#### Variables

- **ParentNodeId** (*ExpandedNodeId*) –
- **ReferenceTypeId** (*NodeId*) –
- **RequestedNewNodeId** (*ExpandedNodeId*) –
- **BrowseName** (*QualifiedName*) –
- **NodeClass** (*NodeClass*) –
- **NodeAttributes** (*ExtensionObject*) –
- **TypeDefinition** (*ExpandedNodeId*) –

**ua\_types** = [('ParentNodeId', 'ExpandedNodeId'), ('ReferenceTypeId', 'NodeId'), ('RequestedNewNodeId', 'ExpandedNodeId')]

**class** opcua.ua.uaprotocol\_auto.**AddNodesParameters**

Bases: object

**Variables** **NodesToAdd** (*AddNodesItem*) –

**ua\_types** = [('NodesToAdd', 'ListOfAddNodesItem')]

**class** opcua.ua.uaprotocol\_auto.**AddNodesRequest**

Bases: object

Adds one or more nodes to the server address space.

#### Variables

- **TypeId** (*NodeId*) –
- **RequestHeader** (*RequestHeader*) –
- **Parameters** (*AddNodesParameters*) –

**ua\_types** = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'AddNodesParameters')]

**class** opcua.ua.uaprotocol\_auto.**AddNodesResponse**

Bases: object

Adds one or more nodes to the server address space.

#### Variables

- **TypeId** (NodeId) –
- **ResponseHeader** (ResponseHeader) –
- **Results** (AddNodesResult) –
- **DiagnosticInfos** (DiagnosticInfo) –

`ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Results', 'L`

```
class opcua.ua.uaprotocol_auto.AddNodesResult
    Bases: object
```

A result of an add node operation.

#### Variables

- **StatusCode** (StatusCode) –
- **AddedNodeId** (NodeId) –

`ua_types = [('StatusCode', 'StatusCode'), ('AddedNodeId', 'NodeId')]`

```
class opcua.ua.uaprotocol_auto.AddReferencesItem
    Bases: object
```

A request to add a reference to the server address space.

#### Variables

- **SourceNodeId** (NodeId) –
- **ReferenceTypeId** (NodeId) –
- **IsForward** (Boolean) –
- **TargetServerUri** (String) –
- **TargetNodeId** (ExpandedNodeId) –
- **TargetNodeClass** (NodeClass) –

`ua_types = [('SourceNodeId', 'NodeId'), ('ReferenceTypeId', 'NodeId'), ('IsForward', 'B`

```
class opcua.ua.uaprotocol_auto.AddReferencesParameters
    Bases: object
```

**Variables** **ReferencesToAdd** (AddReferencesItem) –

`ua_types = [('ReferencesToAdd', 'ListOfAddReferencesItem')]`

```
class opcua.ua.uaprotocol_auto.AddReferencesRequest
    Bases: object
```

Adds one or more references to the server address space.

#### Variables

- **TypeId** (NodeId) –
- **RequestHeader** (RequestHeader) –
- **Parameters** (AddReferencesParameters) –

`ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'L`

```
class opcua.ua.uaprotocol_auto.AddReferencesResponse
    Bases: object
```

Adds one or more references to the server address space.

**Variables**

- **TypeId** (*NodeId*) –
- **ResponseHeader** (*ResponseHeader*) –
- **Results** (*StatusCode*) –
- **DiagnosticInfos** (*DiagnosticInfo*) –

```
ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Results', 'L
```

```
class opcua.ua.uaprotocol_auto.AggregateConfiguration
```

```
Bases: object
```

**Variables**

- **UseServerCapabilitiesDefaults** (*Boolean*) –
- **TreatUncertainAsBad** (*Boolean*) –
- **PercentDataBad** (*Byte*) –
- **PercentDataGood** (*Byte*) –
- **UseSlopedExtrapolation** (*Boolean*) –

```
ua_types = [('UseServerCapabilitiesDefaults', 'Boolean'), ('TreatUncertainAsBad', 'Boo
```

```
class opcua.ua.uaprotocol_auto.AggregateFilter
```

```
Bases: object
```

**Variables**

- **StartTime** (*DateTime*) –
- **AggregateType** (*NodeId*) –
- **ProcessingInterval** (*Double*) –
- **AggregateConfiguration** (*AggregateConfiguration*) –

```
ua_types = [('StartTime', 'DateTime'), ('AggregateType', 'NodeId'), ('ProcessingInterv
```

```
class opcua.ua.uaprotocol_auto.AggregateFilterResult
```

```
Bases: object
```

**Variables**

- **RevisedStartTime** (*DateTime*) –
- **RevisedProcessingInterval** (*Double*) –
- **RevisedAggregateConfiguration** (*AggregateConfiguration*) –

```
ua_types = [('RevisedStartTime', 'DateTime'), ('RevisedProcessingInterval', 'Double'),
```

```
class opcua.ua.uaprotocol_auto.Annotation
```

```
Bases: object
```

**Variables**

- **Message** (*String*) –
- **UserName** (*String*) –
- **AnnotationTime** (*DateTime*) –

```
ua_types = [('Message', 'String'), ('UserName', 'String'), ('AnnotationTime', 'DateTim
```

```
class opcua.ua.uaprotocol_auto.AnonymousIdentityToken
    Bases: object
```

A token representing an anonymous user.

**Variables** **PolicyId** (*String*) –

**ua\_types** = [('PolicyId', 'String')]

```
class opcua.ua.uaprotocol_auto.ApplicationDescription
    Bases: object
```

Describes an application and how to find it.

**Variables**

- **ApplicationUri** (*String*) –
- **ProductUri** (*String*) –
- **ApplicationName** (*LocalizedText*) –
- **ApplicationType** (*ApplicationType*) –
- **GatewayServerUri** (*String*) –
- **DiscoveryProfileUri** (*String*) –
- **DiscoveryUrls** (*String*) –

**ua\_types** = [('ApplicationUri', 'String'), ('ProductUri', 'String'), ('ApplicationName',

```
class opcua.ua.uaprotocol_auto.ApplicationType
    Bases: enum.IntEnum
```

The types of applications.

**Variables**

- **Server** (0) –
- **Client** (1) –
- **ClientAndServer** (2) –
- **DiscoveryServer** (3) –

**Client** = 1

**ClientAndServer** = 2

**DiscoveryServer** = 3

**Server** = 0

```
class opcua.ua.uaprotocol_auto.Argument
    Bases: object
```

An argument for a method.

**Variables**

- **Name** (*String*) –
- **DataType** (*NodeId*) –
- **ValueRank** (*Int32*) –
- **ArrayDimensions** (*UInt32*) –



```

    • Description (LocalizedText) –

    ua_types = [('Name', 'String'), ('DataType', 'NodeId'), ('ValueRank', 'Int32'), ('Array', 'Int32')]

class opcua.ua.uaprotocol_auto.AttributeOperand
    Bases: object

    Variables

    • NodeId (NodeId) –

    • Alias (String) –

    • BrowsePath (RelativePath) –

    • AttributeId (UInt32) –

    • IndexRange (String) –

    ua_types = [('NodeId', 'NodeId'), ('Alias', 'String'), ('BrowsePath', 'RelativePath'), ('IndexRange', 'String')]

class opcua.ua.uaprotocol_auto.AttributeWriteMask
    Bases: enum.IntEnum

    Define bits used to indicate which attributes are writable.

```

#### Variables

- **None** (0) –
- **AccessLevel** (1) –
- **ArrayDimensions** (2) –
- **BrowseName** (4) –
- **ContainsNoLoops** (8) –
- **DataType** (16) –
- **Description** (32) –
- **DisplayName** (64) –
- **EventNotifier** (128) –
- **Executable** (256) –
- **Historizing** (512) –
- **InverseName** (1024) –
- **IsAbstract** (2048) –
- **MinimumSamplingInterval** (4096) –
- **NodeClass** (8192) –
- **NodeId** (16384) –
- **Symmetric** (32768) –
- **UserAccessLevel** (65536) –
- **UserExecutable** (131072) –
- **UserWriteMask** (262144) –
- **ValueRank** (524288) –
- **WriteMask** (1048576) –

- *ValueForVariableType* (2097152) –
- *DataTypeDefinition* (4194304) –
- *RolePermissions* (8388608) –
- *AccessRestrictions* (16777216) –
- *AccessLevelEx* (33554432) –

`AccessLevel = 1`

`AccessLevelEx = 33554432`

`AccessRestrictions = 16777216`

`ArrayDimensions = 2`

`BrowseName = 4`

`ContainsNoLoops = 8`

`DataType = 16`

`DataTypeDefinition = 4194304`

`Description = 32`

`DisplayName = 64`

`EventNotifier = 128`

`Executable = 256`

`Historizing = 512`

`InverseName = 1024`

`IsAbstract = 2048`

`MinimumSamplingInterval = 4096`

`NodeClass = 8192`

`NodeId = 16384`

`None_ = 0`

`RolePermissions = 8388608`

`Symmetric = 32768`

`UserAccessLevel = 65536`

`UserExecutable = 131072`

`UserWriteMask = 262144`

`ValueForVariableType = 2097152`

`ValueRank = 524288`

`WriteMask = 1048576`

```
class opcua.ua.uaprotocol_auto.AxisInformation
    Bases: object
```

    Variables

- *EngineeringUnits* (EUInformation) –

```

    • EURange (Range) –
    • Title (LocalizedText) –
    • AxisScaleType (AxisScaleEnumeration) –
    • AxisSteps (Double) –

    ua_types = [('EngineeringUnits', 'EUInformation'), ('EURange', 'Range'), ('Title', 'LocalizedText')]

class opcua.ua.uaprotocol_auto.AxisScaleEnumeration
    Bases: enum.IntEnum

    Variables

    • Linear (0) –
    • Log (1) –
    • Ln (2) –

    Linear = 0
    Ln = 2
    Log = 1

class opcua.ua.uaprotocol_auto.BrokerConnectionTransportDataType
    Bases: object

    Variables

    • ResourceUri (String) –
    • AuthenticationProfileUri (String) –

    ua_types = [('ResourceUri', 'String'), ('AuthenticationProfileUri', 'String')]

class opcua.ua.uaprotocol_auto.BrokerDataSetReaderTransportDataType
    Bases: object

    Variables

    • QueueName (String) –
    • ResourceUri (String) –
    • AuthenticationProfileUri (String) –
    • RequestedDeliveryGuarantee (BrokerTransportQualityOfService) –
    • MetaDataQueueName (String) –

    ua_types = [('QueueName', 'String'), ('ResourceUri', 'String'), ('AuthenticationProfileUri', 'String')]

class opcua.ua.uaprotocol_auto.BrokerDataSetWriterTransportDataType
    Bases: object

    Variables

    • QueueName (String) –
    • ResourceUri (String) –
    • AuthenticationProfileUri (String) –
    • MetaDataQueueName (String) –
    • MetaDataUpdateTime (Double) –

```

```
    ua_types = [('QueueName', 'String'), ('ResourceUri', 'String'), ('AuthenticationProfileUri', 'String')]

class opcua.ua.uaproTOCOL_auto.BrokerTransportQualityOfService
    Bases: enum.IntEnum
```

#### Variables

- *NotSpecified* (0) –
- *BestEffort* (1) –
- *AtLeastOnce* (2) –
- *AtMostOnce* (3) –
- *ExactlyOnce* (4) –

```
AtLeastOnce = 2
```

```
AtMostOnce = 3
```

```
BestEffort = 1
```

```
ExactlyOnce = 4
```

```
NotSpecified = 0
```

```
class opcua.ua.uaproTOCOL_auto.BrokerWriterGroupTransportDataType
    Bases: object
```

#### Variables

- *QueueName* (String) –
- *ResourceUri* (String) –
- *AuthenticationProfileUri* (String) –
- *RequestedDeliveryGuarantee* (BrokerTransportQualityOfService) –

```
    ua_types = [('QueueName', 'String'), ('ResourceUri', 'String'), ('AuthenticationProfileUri', 'String')]

class opcua.ua.uaproTOCOL_auto.BrowseDescription
    Bases: object
```

A request to browse the the references from a node.

#### Variables

- *NodeId* (NodeId) –
- *BrowseDirection* (BrowseDirection) –
- *ReferenceTypeId* (NodeId) –
- *IncludeSubtypes* (Boolean) –
- *NodeClassMask* (UInt32) –
- *ResultMask* (UInt32) –

```
    ua_types = [('NodeId', 'NodeId'), ('BrowseDirection', 'BrowseDirection'), ('ReferenceTypeId', 'ReferenceTypeId')]

class opcua.ua.uaproTOCOL_auto.BrowseDirection
    Bases: enum.IntEnum
```

The directions of the references to return.

#### Variables

- **Forward**(0) –
- **Inverse**(1) –
- **Both**(2) –
- **Invalid**(3) –

**Both** = 2

**Forward** = 0

**Invalid** = 3

**Inverse** = 1

```
class opcua.ua.uaprotocol_auto.BrowseNextParameters
```

Bases: object

#### Variables

- **ReleaseContinuationPoints**(*Boolean*) –
- **ContinuationPoints**(*ByteString*) –

**ua\_types** = [('ReleaseContinuationPoints', 'Boolean'), ('ContinuationPoints', 'ListOfBy

```
class opcua.ua.uaprotocol_auto.BrowseNextRequest
```

Bases: object

Continues one or more browse operations.

#### Variables

- **TypeId**(*NodeId*) –
- **RequestHeader**(*RequestHeader*) –
- **Parameters**(*BrowseNextParameters*) –

**ua\_types** = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'I

```
class opcua.ua.uaprotocol_auto.BrowseNextResponse
```

Bases: object

Continues one or more browse operations.

#### Variables

- **TypeId**(*NodeId*) –
- **ResponseHeader**(*ResponseHeader*) –
- **Parameters**(*BrowseNextResult*) –

**ua\_types** = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Parameters',

```
class opcua.ua.uaprotocol_auto.BrowseNextResult
```

Bases: object

#### Variables

- **Results**(*BrowseResult*) –
- **DiagnosticInfos**(*DiagnosticInfo*) –

**ua\_types** = [('Results', 'ListOfBrowseResult'), ('DiagnosticInfos', 'ListOfDiagnosticIn

```
class opcua.ua.uaprotocol_auto.BrowseParameters
```

Bases: object

**Variables**

- **View** (*ViewDescription*) –
- **RequestedMaxReferencesPerNode** (*UInt32*) –
- **NodesToBrowse** (*BrowseDescription*) –

**ua\_types** = [('View', 'ViewDescription'), ('RequestedMaxReferencesPerNode', 'UInt32'),

**class** opcua.ua.uaprotocol\_auto.**BrowsePath**

Bases: object

A request to translate a path into a node id.

**Variables**

- **StartingNode** (*NodeId*) –
- **RelativePath** (*RelativePath*) –

**ua\_types** = [('StartingNode', 'NodeId'), ('RelativePath', 'RelativePath')]

**class** opcua.ua.uaprotocol\_auto.**BrowsePathResult**

Bases: object

The result of a translate operation.

**Variables**

- **StatusCode** (*StatusCode*) –
- **Targets** (*BrowsePathTarget*) –

**ua\_types** = [('StatusCode', 'StatusCode'), ('Targets', 'ListOfBrowsePathTarget')]

**class** opcua.ua.uaprotocol\_auto.**BrowsePathTarget**

Bases: object

The target of the translated path.

**Variables**

- **TargetId** (*ExpandedNodeId*) –
- **RemainingPathIndex** (*UInt32*) –

**ua\_types** = [('TargetId', 'ExpandedNodeId'), ('RemainingPathIndex', 'UInt32')]

**class** opcua.ua.uaprotocol\_auto.**BrowseRequest**

Bases: object

Browse the references for one or more nodes from the server address space.

**Variables**

- **TypeId** (*NodeId*) –
- **RequestHeader** (*RequestHeader*) –
- **Parameters** (*BrowseParameters*) –

**ua\_types** = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'BrowseParameters')]

**class** opcua.ua.uaprotocol\_auto.**BrowseResponse**

Bases: object

Browse the references for one or more nodes from the server address space.

**Variables**

- **TypeId** (NodeId) –
- **ResponseHeader** (ResponseHeader) –
- **Results** (BrowseResult) –
- **DiagnosticInfos** (DiagnosticInfo) –

```
ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Results', 'L
```

```
class opcua.ua.uaprotocol_auto.BrowseResult
    Bases: object
```

The result of a browse operation.

#### Variables

- **StatusCode** (StatusCode) –
- **ContinuationPoint** (ByteString) –
- **References** (ReferenceDescription) –

```
ua_types = [('StatusCode', 'StatusCode'), ('ContinuationPoint', 'ByteString'), ('Refer
```

```
class opcua.ua.uaprotocol_auto.BrowseResultMask
    Bases: enum.IntEnum
```

A bit mask which specifies what should be returned in a browse response.

#### Variables

- **None** (0) –
- **ReferenceTypeId** (1) –
- **IsForward** (2) –
- **NodeClass** (4) –
- **BrowseName** (8) –
- **DisplayName** (16) –
- **TypeDefinition** (32) –
- **All** (63) –
- **ReferenceTypeInfo** (3) –
- **TargetInfo** (60) –

```
All = 63
```

```
BrowseName = 8
```

```
DisplayName = 16
```

```
IsForward = 2
```

```
NodeClass = 4
```

```
None_ = 0
```

```
ReferenceTypeId = 1
```

```
ReferenceTypeInfo = 3
```

```
TargetInfo = 60
```

```
TypeDefinition = 32
```

```
class opcua.ua.uaprotocol_auto.BuildInfo
```

```
    Bases: object
```

Variables

- **ProductUri** (*String*) –
- **ManufacturerName** (*String*) –
- **ProductName** (*String*) –
- **SoftwareVersion** (*String*) –
- **BuildNumber** (*String*) –
- **BuildDate** (*DateTime*) –

```
    ua_types = [('ProductUri', 'String'), ('ManufacturerName', 'String'), ('ProductName',
```

```
class opcua.ua.uaprotocol_auto.CallMethodRequest
```

```
    Bases: object
```

Variables

- **ObjectId** (*NodeId*) –
- **MethodId** (*NodeId*) –
- **InputArguments** (*Variant*) –

```
    ua_types = [('ObjectId', 'NodeId'), ('MethodId', 'NodeId'), ('InputArguments', 'ListOf
```

```
class opcua.ua.uaprotocol_auto.CallMethodResult
```

```
    Bases: object
```

Variables

- **StatusCode** (*StatusCode*) –
- **InputArgumentResults** (*StatusCode*) –
- **InputArgumentDiagnosticInfos** (*DiagnosticInfo*) –
- **OutputArguments** (*Variant*) –

```
    ua_types = [('StatusCode', 'StatusCode'), ('InputArgumentResults', 'ListOfStatusCode')]
```

```
class opcua.ua.uaprotocol_auto.CallParameters
```

```
    Bases: object
```

Variables **MethodsToCall** (*CallMethodRequest*) –

```
    ua_types = [('MethodsToCall', 'ListOfCallMethodRequest')]
```

```
class opcua.ua.uaprotocol_auto.CallRequest
```

```
    Bases: object
```

Variables

- **TypeId** (*NodeId*) –
- **RequestHeader** (*RequestHeader*) –
- **Parameters** (*CallParameters*) –

```
    ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'C
```

```
class opcua.ua.uaprotocol_auto.CallResponse
```

```
    Bases: object
```



**Variables**

- **TypeId** (NodeId) –
- **ResponseHeader** (ResponseHeader) –
- **Results** (CallMethodResult) –
- **DiagnosticInfos** (DiagnosticInfo) –

```
ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Results', 'L
```

```
class opcua.ua.uaprotocol_auto.CancelParameters
```

```
Bases: object
```

**Variables** **RequestHandle** (UInt32) –

```
ua_types = [('RequestHandle', 'UInt32')]
```

```
class opcua.ua.uaprotocol_auto.CancelRequest
```

```
Bases: object
```

Cancels an outstanding request.

**Variables**

- **TypeId** (NodeId) –
- **RequestHeader** (RequestHeader) –
- **Parameters** (CancelParameters) –

```
ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'C
```

```
class opcua.ua.uaprotocol_auto.CancelResponse
```

```
Bases: object
```

Cancels an outstanding request.

**Variables**

- **TypeId** (NodeId) –
- **ResponseHeader** (ResponseHeader) –
- **Parameters** (CancelResult) –

```
ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Parameters',
```

```
class opcua.ua.uaprotocol_auto.CancelResult
```

```
Bases: object
```

**Variables** **CancelCount** (UInt32) –

```
ua_types = [('CancelCount', 'UInt32')]
```

```
class opcua.ua.uaprotocol_auto.ChannelSecurityToken
```

```
Bases: object
```

The token that identifies a set of keys for an active secure channel.

**Variables**

- **ChannelId** (UInt32) –
- **TokenId** (UInt32) –
- **CreatedAt** (DateTime) –
- **RevisedLifetime** (UInt32) –

```
    ua_types = [('ChannelId', 'UInt32'), ('TokenId', 'UInt32'), ('CreatedAt', 'DateTime'),
class opcua.ua.uaprotocol_auto.CloseSecureChannelRequest
    Bases: object

    Closes a secure channel.

    Variables
        • TypeId(NodeId) –
        • RequestHeader(RequestHeader) –

    ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader')]
class opcua.ua.uaprotocol_auto.CloseSecureChannelResponse
    Bases: object

    Closes a secure channel.

    Variables
        • TypeId(NodeId) –
        • ResponseHeader(ResponseHeader) –

    ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader')]
class opcua.ua.uaprotocol_auto.CloseSessionRequest
    Bases: object

    Closes a session with the server.

    Variables
        • TypeId(NodeId) –
        • RequestHeader(RequestHeader) –
        • DeleteSubscriptions(Boolean) –

    ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('DeleteSubscrip
class opcua.ua.uaprotocol_auto.CloseSessionResponse
    Bases: object

    Closes a session with the server.

    Variables
        • TypeId(NodeId) –
        • ResponseHeader(ResponseHeader) –

    ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader')]
class opcua.ua.uaprotocol_auto.ComplexNumberType
    Bases: object

    Variables
        • Real(Float) –
        • Imaginary(Float) –

    ua_types = [('Real', 'Float'), ('Imaginary', 'Float')]
class opcua.ua.uaprotocol_auto.ConfigurationVersionDataType
    Bases: object
```

```

    Variables
        • MajorVersion (UInt32) –
        • MinorVersion (UInt32) –

    ua_types = [('MajorVersion', 'UInt32'), ('MinorVersion', 'UInt32')]

class opcua.ua.uaprotocol_auto.ConnectionTransportDataType
    Bases: object

    ua_types = []

class opcua.ua.uaprotocol_auto.ContentFilter
    Bases: object

    Variables Elements (ContentFilterElement) –

    ua_types = [('Elements', 'ListOfContentFilterElement')]

class opcua.ua.uaprotocol_auto.ContentFilterElement
    Bases: object

    Variables
        • FilterOperator (FilterOperator) –
        • FilterOperands (ExtensionObject) –

    ua_types = [('FilterOperator', 'FilterOperator'), ('FilterOperands', 'ListOfExtensionObject')]

class opcua.ua.uaprotocol_auto.ContentFilterElementResult
    Bases: object

    Variables
        • StatusCode (StatusCode) –
        • OperandStatusCodes (StatusCode) –
        • OperandDiagnosticInfos (DiagnosticInfo) –

    ua_types = [('StatusCode', 'StatusCode'), ('OperandStatusCodes', 'ListOfStatusCode'), ('OperandDiagnosticInfos', 'ListOfDiagnosticInfo')]

class opcua.ua.uaprotocol_auto.ContentFilterResult
    Bases: object

    Variables
        • ElementResults (ContentFilterElementResult) –
        • ElementDiagnosticInfos (DiagnosticInfo) –

    ua_types = [('ElementResults', 'ListOfContentFilterElementResult'), ('ElementDiagnosticInfos', 'ListOfDiagnosticInfo')]

class opcua.ua.uaprotocol_auto.CreateMonitoredItemsParameters
    Bases: object

    Variables
        • SubscriptionId (UInt32) –
        • TimestampsToReturn (TimestampsToReturn) –
        • ItemsToCreate (MonitoredItemCreateRequest) –

    ua_types = [('SubscriptionId', 'UInt32'), ('TimestampsToReturn', 'TimestampsToReturn')]

```

```
class opcua.ua.uaprotocol_auto.CreateMonitoredItemsRequest
    Bases: object
```

**Variables**

- **TypeId** (NodeId) –
- **RequestHeader** (RequestHeader) –
- **Parameters** (CreateMonitoredItemsParameters) –

```
    ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'Parameters')]
```

```
class opcua.ua.uaprotocol_auto.CreateMonitoredItemsResponse
    Bases: object
```

**Variables**

- **TypeId** (NodeId) –
- **ResponseHeader** (ResponseHeader) –
- **Results** (MonitoredItemCreateResult) –
- **DiagnosticInfos** (DiagnosticInfo) –

```
    ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Results', 'List[MonitoredItemCreateResult]'), ('DiagnosticInfos', 'List[DiagnosticInfo]')]
```

```
class opcua.ua.uaprotocol_auto.CreateSessionParameters
    Bases: object
```

**Variables**

- **ClientDescription** (ApplicationDescription) –
- **ServerUri** (String) –
- **EndpointUrl** (String) –
- **SessionName** (String) –
- **ClientNonce** (ByteString) –
- **ClientCertificate** (ByteString) –
- **RequestedSessionTimeout** (Double) –
- **MaxResponseMessageSize** (UInt32) –

```
    ua_types = [('ClientDescription', 'ApplicationDescription'), ('ServerUri', 'String'), ('EndpointUrl', 'String'), ('SessionName', 'String'), ('ClientNonce', 'ByteString'), ('ClientCertificate', 'ByteString'), ('RequestedSessionTimeout', 'Double'), ('MaxResponseMessageSize', 'UInt32')]
```

```
class opcua.ua.uaprotocol_auto.CreateSessionRequest
    Bases: object
```

Creates a new session with the server.

**Variables**

- **TypeId** (NodeId) –
- **RequestHeader** (RequestHeader) –
- **Parameters** (CreateSessionParameters) –

```
    ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'CreateSessionParameters')]
```

```
class opcua.ua.uaprotocol_auto.CreateSessionResponse
    Bases: object
```

Creates a new session with the server.

**Variables**

- **TypeId** (*NodeId*) –
- **ResponseHeader** (*ResponseHeader*) –
- **Parameters** (*CreateSessionResult*) –

```
ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Parameters',
```

```
class opcua.ua.uaprotocol_auto.CreateSessionResult
    Bases: object
```

**Variables**

- **SessionId** (*NodeId*) –
- **AuthenticationToken** (*NodeId*) –
- **RevisedSessionTimeout** (*Double*) –
- **ServerNonce** (*ByteString*) –
- **ServerCertificate** (*ByteString*) –
- **ServerEndpoints** (*EndpointDescription*) –
- **ServerSoftwareCertificates** (*SignedSoftwareCertificate*) –
- **ServerSignature** (*SignatureData*) –
- **MaxRequestMessageSize** (*UInt32*) –

```
ua_types = [('SessionId', 'NodeId'), ('AuthenticationToken', 'NodeId'), ('RevisedSessi
```

```
class opcua.ua.uaprotocol_auto.CreateSubscriptionParameters
    Bases: object
```

**Variables**

- **RequestedPublishingInterval** (*Double*) –
- **RequestedLifetimeCount** (*UInt32*) –
- **RequestedMaxKeepAliveCount** (*UInt32*) –
- **MaxNotificationsPerPublish** (*UInt32*) –
- **PublishingEnabled** (*Boolean*) –
- **Priority** (*Byte*) –

```
ua_types = [('RequestedPublishingInterval', 'Double'), ('RequestedLifetimeCount', 'UIn
```

```
class opcua.ua.uaprotocol_auto.CreateSubscriptionRequest
    Bases: object
```

**Variables**

- **TypeId** (*NodeId*) –
- **RequestHeader** (*RequestHeader*) –
- **Parameters** (*CreateSubscriptionParameters*) –

```
ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters',
```

```
class opcua.ua.uaprotocol_auto.CreateSubscriptionResponse
    Bases: object
```

**Variables**

- **TypeId** (`NodeId`) –
- **ResponseHeader** (`ResponseHeader`) –
- **Parameters** (`CreateSubscriptionResult`) –

`ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Parameters',`

```
class opcua.ua.uaprotocol_auto.CreateSubscriptionResult
    Bases: object
```

**Variables**

- **SubscriptionId** (`UInt32`) –
- **RevisedPublishingInterval** (`Double`) –
- **RevisedLifetimeCount** (`UInt32`) –
- **RevisedMaxKeepAliveCount** (`UInt32`) –

`ua_types = [('SubscriptionId', 'UInt32'), ('RevisedPublishingInterval', 'Double'), ('R`

```
class opcua.ua.uaprotocol_auto.DataChangeFilter
    Bases: object
```

**Variables**

- **Trigger** (`DataChangeTrigger`) –
- **DeadbandType** (`UInt32`) –
- **DeadbandValue** (`Double`) –

`ua_types = [('Trigger', 'DataChangeTrigger'), ('DeadbandType', 'UInt32'), ('DeadbandVa`

```
class opcua.ua.uaprotocol_auto.DataChangeNotification
    Bases: object
```

**Variables**

- **MonitoredItems** (`MonitoredItemNotification`) –
- **DiagnosticInfos** (`DiagnosticInfo`) –

`ua_types = [('MonitoredItems', 'ListOfMonitoredItemNotification'), ('DiagnosticInfos',`

```
class opcua.ua.uaprotocol_auto.DataChangeTrigger
    Bases: enum.IntEnum
```

**Variables**

- **Status** (`0`) –
- **StatusValue** (`1`) –
- **StatusValueTimestamp** (`2`) –

`Status = 0`

`StatusValue = 1`

`StatusValueTimestamp = 2`

```
class opcua.ua.uaprotocol_auto.DataSetFieldContentMask
    Bases: enum.IntEnum
```

**Variables**

```

    • StatusCode (1) –
    • SourceTimestamp (2) –
    • ServerTimestamp (4) –
    • SourcePicoSeconds (8) –
    • ServerPicoSeconds (16) –
    • RawDataEncoding (32) –

RawDataEncoding = 32
ServerPicoSeconds = 16
ServerTimestamp = 4
SourcePicoSeconds = 8
SourceTimestamp = 2
StatusCode = 1

class opcua.ua.uaprotocol_auto.DataSetFieldFlags
    Bases: enum.IntEnum

    Variables PromotedField (1) –

    PromotedField = 1

class opcua.ua.uaprotocol_auto.DataSetMetaDataTypes
    Bases: object

    Variables

    • Namespaces (String) –
    • StructureDataTypes (StructureDescription) –
    • EnumDataTypes (EnumDescription) –
    • SimpleDataTypes (SimpleTypeDescription) –
    • Name (String) –
    • Description (LocalizedText) –
    • Fields (FieldMetaData) –
    • DataSetClassId (Guid) –
    • ConfigurationVersion (ConfigurationVersionDataType) –

    ua_types = [('Namespaces', 'ListOfString'), ('StructureDataTypes', 'ListOfStructureDes

class opcua.ua.uaprotocol_auto.DataSetOrderingType
    Bases: enum.IntEnum

    Variables

    • Undefined (0) –
    • AscendingWriterId (1) –
    • AscendingWriterIdSingle (2) –

    AscendingWriterId = 1
    AscendingWriterIdSingle = 2

```

Undefined = 0

```
class opcua.ua.uaprotoocol_auto.DataSetReaderDataType
    Bases: object
```

#### Variables

- **Name** (*String*) –
- **Enabled** (*Boolean*) –
- **PublisherId** (*Variant*) –
- **WriterGroupId** (*UInt16*) –
- **DataSetWriterId** (*UInt16*) –
- **DataSetMetaData** (*DataSetMetaDataType*) –
- **DataSetFieldContentMask** (*DataSetFieldContentMask*) –
- **MessageReceiveTimeout** (*Double*) –
- **SecurityMode** (*MessageSecurityMode*) –
- **SecurityGroupId** (*String*) –
- **SecurityKeyServices** (*EndpointDescription*) –
- **DataSetReaderProperties** (*KeyValuePair*) –
- **TransportSettings** (*ExtensionObject*) –
- **MessageSettings** (*ExtensionObject*) –
- **SubscribedDataSet** (*ExtensionObject*) –

```
ua_types = [('Name', 'String'), ('Enabled', 'Boolean'), ('PublisherId', 'Variant'), ('WriterGroupId', 'UInt16'), ('DataSetWriterId', 'UInt16'), ('DataSetMetaData', 'DataSetMetaDataType'), ('DataSetFieldContentMask', 'DataSetFieldContentMask'), ('MessageReceiveTimeout', 'Double'), ('SecurityMode', 'MessageSecurityMode'), ('SecurityGroupId', 'String'), ('SecurityKeyServices', 'EndpointDescription'), ('DataSetReaderProperties', 'KeyValuePair'), ('TransportSettings', 'ExtensionObject'), ('MessageSettings', 'ExtensionObject'), ('SubscribedDataSet', 'ExtensionObject')]
```

```
class opcua.ua.uaprotoocol_auto.DataSetReaderMessageType
    Bases: object
```

```
ua_types = []
```

```
class opcua.ua.uaprotoocol_auto.DataSetReaderTransportDataType
    Bases: object
```

```
ua_types = []
```

```
class opcua.ua.uaprotoocol_auto.DataSetWriterDataType
    Bases: object
```

#### Variables

- **Name** (*String*) –
- **Enabled** (*Boolean*) –
- **DataSetWriterId** (*UInt16*) –
- **DataSetFieldContentMask** (*DataSetFieldContentMask*) –
- **KeyFrameCount** (*UInt32*) –
- **DataSetName** (*String*) –
- **DataSetWriterProperties** (*KeyValuePair*) –
- **TransportSettings** (*ExtensionObject*) –



```

        • MessageSettings (ExtensionObject) –
    ua_types = [('Name', 'String'), ('Enabled', 'Boolean'), ('DataSetWriterId', 'UInt16'),
class opcua.ua.uaprotocol_auto.DataSetWriterMessageDataType
    Bases: object

    ua_types = []
class opcua.ua.uaprotocol_auto.DataSetWriterTransportDataType
    Bases: object

    ua_types = []
class opcua.ua.uaprotocol_auto.DataTypeAttributes
    Bases: object

    The attributes for a data type node.

    Variables
        • SpecifiedAttributes (UInt32) –
        • DisplayName (LocalizedText) –
        • Description (LocalizedText) –
        • WriteMask (UInt32) –
        • UserWriteMask (UInt32) –
        • IsAbstract (Boolean) –

    ua_types = [('SpecifiedAttributes', 'UInt32'), ('DisplayName', 'LocalizedText'), ('Des
class opcua.ua.uaprotocol_auto.DataTypeDefinition
    Bases: object

    ua_types = []
class opcua.ua.uaprotocol_auto.DataTypeDescription
    Bases: object

    Variables
        • DataTypeId (NodeId) –
        • Name (QualifiedName) –

    ua_types = [('DataTypeId', 'NodeId'), ('Name', 'QualifiedName')]
class opcua.ua.uaprotocol_auto.DataTypeSchemaHeader
    Bases: object

    Variables
        • Namespaces (String) –
        • StructureDataTypes (StructureDescription) –
        • EnumDataTypes (EnumDescription) –
        • SimpleDataTypes (SimpleTypeDescription) –

    ua_types = [('Namespaces', 'ListOfString'), ('StructureDataTypes', 'ListOfStructureDes
class opcua.ua.uaprotocol_auto.DatagramConnectionTransportDataType
    Bases: object

```

```
    Variables DiscoveryAddress (ExtensionObject) –
    ua_types = [('DiscoveryAddress', 'ExtensionObject')]
class opcua.ua.uaprotocol_auto.DatagramWriterGroupTransportDataType
    Bases: object
    Variables
        • MessageRepeatCount (Byte) –
        • MessageRepeatDelay (Double) –
    ua_types = [('MessageRepeatCount', 'Byte'), ('MessageRepeatDelay', 'Double')]
class opcua.ua.uaprotocol_auto.DeadbandType
    Bases: enum.IntEnum
    Variables
        • None (0) –
        • Absolute (1) –
        • Percent (2) –
    Absolute = 1
    None_ = 0
    Percent = 2
class opcua.ua.uaprotocol_auto.DecimalDataType
    Bases: object
    Variables
        • Scale (Int16) –
        • Value (ByteString) –
    ua_types = [('Scale', 'Int16'), ('Value', 'ByteString')]
class opcua.ua.uaprotocol_auto.DeleteAtTimeDetails
    Bases: object
    Variables
        • NodeId (NodeId) –
        • ReqTimes (DateTime) –
    ua_types = [('NodeId', 'NodeId'), ('ReqTimes', 'ListOfDateTime')]
class opcua.ua.uaprotocol_auto.DeleteEventDetails
    Bases: object
    Variables
        • NodeId (NodeId) –
        • EventIds (ByteString) –
    ua_types = [('NodeId', 'NodeId'), ('EventIds', 'ListOfByteString')]
class opcua.ua.uaprotocol_auto.DeleteMonitoredItemsParameters
    Bases: object
    Variables
```

```

    • SubscriptionId (UInt32) –
    • MonitoredItemIds (UInt32) –

    ua_types = [('SubscriptionId', 'UInt32'), ('MonitoredItemIds', 'ListOfUInt32')]
class opcua.ua.uaprotocol_auto.DeleteMonitoredItemsRequest
    Bases: object

    Variables

    • TypeId (NodeId) –
    • RequestHeader (RequestHeader) –
    • Parameters (DeleteMonitoredItemsParameters) –

    ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'L

class opcua.ua.uaprotocol_auto.DeleteMonitoredItemsResponse
    Bases: object

    Variables

    • TypeId (NodeId) –
    • ResponseHeader (ResponseHeader) –
    • Results (StatusCode) –
    • DiagnosticInfos (DiagnosticInfo) –

    ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Results', 'L

class opcua.ua.uaprotocol_auto.DeleteNodesItem
    Bases: object

    A request to delete a node to the server address space.

    Variables

    • NodeId (NodeId) –
    • DeleteTargetReferences (Boolean) –

    ua_types = [('NodeId', 'NodeId'), ('DeleteTargetReferences', 'Boolean')]
class opcua.ua.uaprotocol_auto.DeleteNodesParameters
    Bases: object

    Variables NodesToDelete (DeleteNodesItem) –

    ua_types = [('NodesToDelete', 'ListOfDeleteNodesItem')]
class opcua.ua.uaprotocol_auto.DeleteNodesRequest
    Bases: object

    Delete one or more nodes from the server address space.

    Variables

    • TypeId (NodeId) –
    • RequestHeader (RequestHeader) –
    • Parameters (DeleteNodesParameters) –

    ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'L

```

```
class opcua.ua.uaprotocol_auto.DeleteNodesResponse
```

Bases: object

Delete one or more nodes from the server address space.

**Variables**

- **TypeId** (NodeId) –
- **ResponseHeader** (ResponseHeader) –
- **Results** (StatusCode) –
- **DiagnosticInfos** (DiagnosticInfo) –

```
ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Results', 'L
```

```
class opcua.ua.uaprotocol_auto.DeleteRawModifiedDetails
```

Bases: object

**Variables**

- **NodeId** (NodeId) –
- **IsDeleteModified** (Boolean) –
- **StartTime** (DateTime) –
- **EndTime** (DateTime) –

```
ua_types = [('NodeId', 'NodeId'), ('IsDeleteModified', 'Boolean'), ('StartTime', 'Date
```

```
class opcua.ua.uaprotocol_auto.DeleteReferencesItem
```

Bases: object

A request to delete a node from the server address space.

**Variables**

- **SourceNodeId** (NodeId) –
- **ReferenceTypeId** (NodeId) –
- **IsForward** (Boolean) –
- **TargetNodeId** (ExpandedNodeId) –
- **DeleteBidirectional** (Boolean) –

```
ua_types = [('SourceNodeId', 'NodeId'), ('ReferenceTypeId', 'NodeId'), ('IsForward', 'I
```

```
class opcua.ua.uaprotocol_auto.DeleteReferencesParameters
```

Bases: object

**Variables** **ReferencesToDelete** (DeleteReferencesItem) –

```
ua_types = [('ReferencesToDelete', 'ListOfDeleteReferencesItem')]
```

```
class opcua.ua.uaprotocol_auto.DeleteReferencesRequest
```

Bases: object

Delete one or more references from the server address space.

**Variables**

- **TypeId** (NodeId) –
- **RequestHeader** (RequestHeader) –
- **Parameters** (DeleteReferencesParameters) –

```

    ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'Parameters')]

class opcua.ua.uaprotocol_auto.DeleteReferencesResponse
    Bases: object

    Delete one or more references from the server address space.

    Variables
        • TypeId (NodeId) –
        • ResponseHeader (ResponseHeader) –
        • Parameters (DeleteReferencesResult) –

    ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Parameters', 'Parameters')]

class opcua.ua.uaprotocol_auto.DeleteReferencesResult
    Bases: object

    Variables
        • Results (StatusCode) –
        • DiagnosticInfos (DiagnosticInfo) –

    ua_types = [('Results', 'ListOfStatusCode'), ('DiagnosticInfos', 'ListOfDiagnosticInfo')]

class opcua.ua.uaprotocol_auto.DeleteSubscriptionsParameters
    Bases: object

    Variables SubscriptionIds (UInt32) –

    ua_types = [('SubscriptionIds', 'ListOfUInt32')]

class opcua.ua.uaprotocol_auto.DeleteSubscriptionsRequest
    Bases: object

    Variables
        • TypeId (NodeId) –
        • RequestHeader (RequestHeader) –
        • Parameters (DeleteSubscriptionsParameters) –

    ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'Parameters')]

class opcua.ua.uaprotocol_auto.DeleteSubscriptionsResponse
    Bases: object

    Variables
        • TypeId (NodeId) –
        • ResponseHeader (ResponseHeader) –
        • Results (StatusCode) –
        • DiagnosticInfos (DiagnosticInfo) –

    ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Results', 'ListOfStatusCode')]

class opcua.ua.uaprotocol_auto.DiagnosticInfo
    Bases: object

    A recursive structure containing diagnostic information associated with a status code.

    Variables

```

- **Encoding** (*Byte*) –
- **SymbolicId** (*Int32*) –
- **NamespaceURI** (*Int32*) –
- **Locale** (*Int32*) –
- **LocalizedText** (*Int32*) –
- **AdditionalInfo** (*String*) –
- **InnerStatusCode** (*StatusCode*) –
- **InnerDiagnosticInfo** (*DiagnosticInfo*) –

```
ua_switches = {'AdditionalInfo': ('Encoding', 4), 'InnerDiagnosticInfo': ('Encoding',
```

```
ua_types = [('Encoding', 'Byte'), ('SymbolicId', 'Int32'), ('NamespaceURI', 'Int32'),
```

```
class opcua.ua.uaprotocol_auto.DiagnosticsLevel
```

```
Bases: enum.IntEnum
```

#### Variables

- **Basic** (*0*) –
- **Advanced** (*1*) –
- **Info** (*2*) –
- **Log** (*3*) –
- **Debug** (*4*) –

```
Advanced = 1
```

```
Basic = 0
```

```
Debug = 4
```

```
Info = 2
```

```
Log = 3
```

```
class opcua.ua.uaprotocol_auto.DiscoveryConfiguration
```

```
Bases: object
```

A base type for discovery configuration information.

```
ua_types = []
```

```
class opcua.ua.uaprotocol_auto.DoubleComplexNumberType
```

```
Bases: object
```

#### Variables

- **Real** (*Double*) –
- **Imaginary** (*Double*) –

```
ua_types = [('Real', 'Double'), ('Imaginary', 'Double')]
```

```
class opcua.ua.uaprotocol_auto.EUInformation
```

```
Bases: object
```

#### Variables

- **NamespaceUri** (*String*) –

```

    • UnitId(Int32) –
    • DisplayName(LocalizedText) –
    • Description(LocalizedText) –

    ua_types = [('NamespaceUri', 'String'), ('UnitId', 'Int32'), ('DisplayName', 'LocalizedText')]

class opcua.ua.uaprotocol_auto.ElementOperand
    Bases: object

    Variables Index(UInt32) –

    ua_types = [('Index', 'UInt32')]

class opcua.ua.uaprotocol_auto.EndpointConfiguration
    Bases: object

    Variables

    • OperationTimeout(Int32) –
    • UseBinaryEncoding(Boolean) –
    • MaxStringLength(Int32) –
    • MaxByteStringLength(Int32) –
    • MaxArrayLength(Int32) –
    • MaxMessageSize(Int32) –
    • MaxBufferSize(Int32) –
    • ChannelLifetime(Int32) –
    • SecurityTokenLifetime(Int32) –

    ua_types = [('OperationTimeout', 'Int32'), ('UseBinaryEncoding', 'Boolean'), ('MaxStringLength', 'Int32'), ('MaxByteStringLength', 'Int32'), ('MaxArrayLength', 'Int32'), ('MaxMessageSize', 'Int32'), ('MaxBufferSize', 'Int32'), ('ChannelLifetime', 'Int32'), ('SecurityTokenLifetime', 'Int32')]

class opcua.ua.uaprotocol_auto.EndpointDescription
    Bases: object

    The description of an endpoint that can be used to access a server.

    Variables

    • EndpointUrl(String) –
    • Server(ApplicationDescription) –
    • ServerCertificate(ByteString) –
    • SecurityMode(MessageSecurityMode) –
    • SecurityPolicyUri(String) –
    • UserIdentityTokens(UserTokenPolicy) –
    • TransportProfileUri(String) –
    • SecurityLevel(Byte) –

    ua_types = [('EndpointUrl', 'String'), ('Server', 'ApplicationDescription'), ('ServerCertificate', 'ByteString'), ('SecurityMode', 'MessageSecurityMode'), ('SecurityPolicyUri', 'String'), ('UserIdentityTokens', 'UserTokenPolicy'), ('TransportProfileUri', 'String'), ('SecurityLevel', 'Byte')]

class opcua.ua.uaprotocol_auto.EndpointType
    Bases: object

    Variables

```

```
    • EndpointUrl (String) –
    • SecurityMode (MessageSecurityMode) –
    • SecurityPolicyUri (String) –
    • TransportProfileUri (String) –

    ua_types = [('EndpointUrl', 'String'), ('SecurityMode', 'MessageSecurityMode'), ('Secu

class opcua.ua.uaprotocol_auto.EndpointUrlListDataType
    Bases: object

    Variables EndpointUrlList (String) –

    ua_types = [('EndpointUrlList', 'ListOfString')]

class opcua.ua.uaprotocol_auto.EnumDefinition
    Bases: object

    Variables Fields (EnumField) –

    ua_types = [('Fields', 'ListOfEnumField')]

class opcua.ua.uaprotocol_auto.EnumDescription
    Bases: object

    Variables

    • DataTypeId (NodeId) –
    • Name (QualifiedName) –
    • EnumDefinition (EnumDefinition) –
    • BuiltInType (Byte) –

    ua_types = [('DataTypeId', 'NodeId'), ('Name', 'QualifiedName'), ('EnumDefinition', 'E

class opcua.ua.uaprotocol_auto.EnumField
    Bases: object

    Variables

    • Value (Int64) –
    • DisplayName (LocalizedText) –
    • Description (LocalizedText) –
    • Name (String) –

    ua_types = [('Value', 'Int64'), ('DisplayName', 'LocalizedText'), ('Description', 'Loc

class opcua.ua.uaprotocol_auto.EnumValueType
    Bases: object

    A mapping between a value of an enumerated type and a name and description.

    Variables

    • Value (Int64) –
    • DisplayName (LocalizedText) –
    • Description (LocalizedText) –

    ua_types = [('Value', 'Int64'), ('DisplayName', 'LocalizedText'), ('Description', 'Loc
```



```
class opcua.ua.uaprotocol_auto.EventFieldList
```

```
Bases: object
```

#### Variables

- **ClientHandle** (*UInt32*) –
- **EventFields** (*Variant*) –

```
ua_types = [('ClientHandle', 'UInt32'), ('EventFields', 'ListOfVariant')]
```

```
class opcua.ua.uaprotocol_auto.EventFilter
```

```
Bases: object
```

#### Variables

- **SelectClauses** (*SimpleAttributeOperand*) –
- **WhereClause** (*ContentFilter*) –

```
ua_types = [('SelectClauses', 'ListOfSimpleAttributeOperand'), ('WhereClause', 'ContentFilter')]
```

```
class opcua.ua.uaprotocol_auto.EventFilterResult
```

```
Bases: object
```

#### Variables

- **SelectClauseResults** (*StatusCode*) –
- **SelectClauseDiagnosticInfos** (*DiagnosticInfo*) –
- **WhereClauseResult** (*ContentFilterResult*) –

```
ua_types = [('SelectClauseResults', 'ListOfStatusCode'), ('SelectClauseDiagnosticInfos', 'ListOfDiagnosticInfo')]
```

```
class opcua.ua.uaprotocol_auto.EventNotificationList
```

```
Bases: object
```

```
Variables Events (EventFieldList) –
```

```
ua_types = [('Events', 'ListOfEventFieldList')]
```

```
class opcua.ua.uaprotocol_auto.EventNotifierType
```

```
Bases: enum.IntEnum
```

#### Variables

- **None** (0) –
- **SubscribeToEvents** (1) –
- **HistoryRead** (4) –
- **HistoryWrite** (8) –

```
HistoryRead = 4
```

```
HistoryWrite = 8
```

```
None_ = 0
```

```
SubscribeToEvents = 1
```

```
class opcua.ua.uaprotocol_auto.ExceptionDeviationFormat
```

```
Bases: enum.IntEnum
```

#### Variables

- **AbsoluteValue** (0) –

- *PercentOfValue* (1) –
- *PercentOfRange* (2) –
- *PercentOfEURange* (3) –
- *Unknown* (4) –

**AbsoluteValue** = 0

**PercentOfEURange** = 3

**PercentOfRange** = 2

**PercentOfValue** = 1

**Unknown** = 4

**class** opcua.ua.uaprotocol\_auto.**FieldMetaData**

Bases: object

#### Variables

- **Name** (*String*) –
- *Description* (*LocalizedText*) –
- **FieldFlags** (*DataSetFieldFlags*) –
- **BuiltInType** (*Byte*) –
- *DataType* (*NodeId*) –
- *ValueRank* (*Int32*) –
- *ArrayDimensions* (*UInt32*) –
- *MaxStringLength* (*UInt32*) –
- **DataSetFieldId** (*Guid*) –
- **Properties** (*KeyValuePair*) –

**ua\_types** = [('Name', 'String'), ('Description', 'LocalizedText'), ('FieldFlags', 'Data

**class** opcua.ua.uaprotocol\_auto.**FieldTargetDataType**

Bases: object

#### Variables

- **DataSetFieldId** (*Guid*) –
- **ReceiverIndexRange** (*String*) –
- **TargetNodeId** (*NodeId*) –
- **AttributeId** (*UInt32*) –
- **WriteIndexRange** (*String*) –
- *OverrideValueHandling* (*OverrideValueHandling*) –
- *OverrideValue* (*Variant*) –

**ua\_types** = [('DataSetFieldId', 'Guid'), ('ReceiverIndexRange', 'String'), ('TargetNode

**class** opcua.ua.uaprotocol\_auto.**FilterOperator**

Bases: enum.IntEnum

#### Variables

- *Equals* (0) –
- *IsNull* (1) –
- *GreaterThan* (2) –
- *LessThan* (3) –
- *GreaterThanOrEqual* (4) –
- *LessThanOrEqual* (5) –
- *Like* (6) –
- *Not* (7) –
- *Between* (8) –
- *InList* (9) –
- *And* (10) –
- *Or* (11) –
- *Cast* (12) –
- *InView* (13) –
- *OfType* (14) –
- *RelatedTo* (15) –
- *BitwiseAnd* (16) –
- *BitwiseOr* (17) –

`And = 10`

`Between = 8`

`BitwiseAnd = 16`

`BitwiseOr = 17`

`Cast = 12`

`Equals = 0`

`GreaterThan = 2`

`GreaterThanOrEqual = 4`

`InList = 9`

`InView = 13`

`IsNull = 1`

`LessThan = 3`

`LessThanOrEqual = 5`

`Like = 6`

`Not = 7`

`OfType = 14`

`Or = 11`

`RelatedTo = 15`

```
class opcua.ua.uaprotocol_auto.FindServersOnNetworkParameters
```

```
    Bases: object
```

Variables

- **StartingRecordId** (*UInt32*) –
- **MaxRecordsToReturn** (*UInt32*) –
- **ServerCapabilityFilter** (*String*) –

```
    ua_types = [('StartingRecordId', 'UInt32'), ('MaxRecordsToReturn', 'UInt32'), ('Server
```

```
class opcua.ua.uaprotocol_auto.FindServersOnNetworkRequest
```

```
    Bases: object
```

Variables

- **TypeId** (*NodeId*) –
- **RequestHeader** (*RequestHeader*) –
- **Parameters** (*FindServersOnNetworkParameters*) –

```
    ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'I
```

```
class opcua.ua.uaprotocol_auto.FindServersOnNetworkResponse
```

```
    Bases: object
```

Variables

- **TypeId** (*NodeId*) –
- **ResponseHeader** (*ResponseHeader*) –
- **Parameters** (*FindServersOnNetworkResult*) –

```
    ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Parameters', 'I
```

```
class opcua.ua.uaprotocol_auto.FindServersOnNetworkResult
```

```
    Bases: object
```

Variables

- **LastCounterResetTime** (*DateTime*) –
- **Servers** (*ServerOnNetwork*) –

```
    ua_types = [('LastCounterResetTime', 'DateTime'), ('Servers', 'ListOfServerOnNetwork')]
```

```
class opcua.ua.uaprotocol_auto.FindServersParameters
```

```
    Bases: object
```

Variables

- **EndpointUrl** (*String*) –
- **LocaleIds** (*String*) –
- **ServerUris** (*String*) –

```
    ua_types = [('EndpointUrl', 'String'), ('LocaleIds', 'ListOfString'), ('ServerUris', 'L
```

```
class opcua.ua.uaprotocol_auto.FindServersRequest
```

```
    Bases: object
```

Finds the servers known to the discovery server.

Variables

```

    • TypeId (NodeId) –
    • RequestHeader (RequestHeader) –
    • Parameters (FindServersParameters) –

    ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'Parameters')]

class opcua.ua.uaprotocol_auto.FindServersResponse
    Bases: object

    Finds the servers known to the discovery server.

    Variables

    • TypeId (NodeId) –
    • ResponseHeader (ResponseHeader) –
    • Servers (ApplicationDescription) –

    ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Servers', 'ListOfApplicationDescription')]

class opcua.ua.uaprotocol_auto.GenericAttributeValue
    Bases: object

    Variables

    • AttributeId (UInt32) –
    • Value (Variant) –

    ua_types = [('AttributeId', 'UInt32'), ('Value', 'Variant')]

class opcua.ua.uaprotocol_auto.GenericAttributes
    Bases: object

    Variables

    • SpecifiedAttributes (UInt32) –
    • DisplayName (LocalizedText) –
    • Description (LocalizedText) –
    • WriteMask (UInt32) –
    • UserWriteMask (UInt32) –
    • AttributeValues (GenericAttributeValue) –

    ua_types = [('SpecifiedAttributes', 'UInt32'), ('DisplayName', 'LocalizedText'), ('Description', 'LocalizedText'), ('WriteMask', 'UInt32'), ('UserWriteMask', 'UInt32'), ('AttributeValues', 'ListGenericAttributeValue')]

class opcua.ua.uaprotocol_auto.GetEndpointsParameters
    Bases: object

    Variables

    • EndpointUrl (String) –
    • LocaleIds (String) –
    • ProfileUris (String) –

    ua_types = [('EndpointUrl', 'String'), ('LocaleIds', 'ListOfString'), ('ProfileUris', 'ListString')]

class opcua.ua.uaprotocol_auto.GetEndpointsRequest
    Bases: object

    Gets the endpoints used by the server.

```

**Variables**

- **TypeId** (NodeId) –
- **RequestHeader** (RequestHeader) –
- **Parameters** (GetEndpointsParameters) –

**ua\_types** = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'Parameters')]

```
class opcua.ua.uaprotocol_auto.GetEndpointsResponse
```

Bases: object

Gets the endpoints used by the server.

**Variables**

- **TypeId** (NodeId) –
- **ResponseHeader** (ResponseHeader) –
- **Endpoints** (EndpointDescription) –

**ua\_types** = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Endpoints', 'Endpoints')]

```
class opcua.ua.uaprotocol_auto.HistoryData
```

Bases: object

**Variables** **DataValues** (DataValue) –

**ua\_types** = [('DataValues', 'ListOfDataValue')]

```
class opcua.ua.uaprotocol_auto.HistoryEvent
```

Bases: object

**Variables** **Events** (HistoryEventFieldList) –

**ua\_types** = [('Events', 'ListOfHistoryEventFieldList')]

```
class opcua.ua.uaprotocol_auto.HistoryEventFieldList
```

Bases: object

**Variables** **EventFields** (Variant) –

**ua\_types** = [('EventFields', 'ListOfVariant')]

```
class opcua.ua.uaprotocol_auto.HistoryModifiedData
```

Bases: object

**Variables**

- **DataValues** (DataValue) –
- **ModificationInfos** (ModificationInfo) –

**ua\_types** = [('DataValues', 'ListOfDataValue'), ('ModificationInfos', 'ListOfModificationInfos')]

```
class opcua.ua.uaprotocol_auto.HistoryReadDetails
```

Bases: object

**ua\_types** = []

```
class opcua.ua.uaprotocol_auto.HistoryReadParameters
```

Bases: object

**Variables**

- **HistoryReadDetails** (ExtensionObject) –

```

    • TimestampsToReturn (TimestampsToReturn) –
    • ReleaseContinuationPoints (Boolean) –
    • NodesToRead (HistoryReadValueId) –

    ua_types = [('HistoryReadDetails', 'ExtensionObject'), ('TimestampsToReturn', 'TimestampsToReturn'), ('ReleaseContinuationPoints', 'Boolean'), ('NodesToRead', 'HistoryReadValueId')]

class opcua.ua.uaprotocol_auto.HistoryReadRequest
    Bases: object

    Variables
        • TypeId (NodeId) –
        • RequestHeader (RequestHeader) –
        • Parameters (HistoryReadParameters) –

    ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'HistoryReadParameters')]

class opcua.ua.uaprotocol_auto.HistoryReadResponse
    Bases: object

    Variables
        • TypeId (NodeId) –
        • ResponseHeader (ResponseHeader) –
        • Results (HistoryReadResult) –
        • DiagnosticInfos (DiagnosticInfo) –

    ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Results', 'HistoryReadResult'), ('DiagnosticInfos', 'DiagnosticInfo')]

class opcua.ua.uaprotocol_auto.HistoryReadResult
    Bases: object

    Variables
        • StatusCode (StatusCode) –
        • ContinuationPoint (ByteString) –
        • HistoryData (ExtensionObject) –

    ua_types = [('StatusCode', 'StatusCode'), ('ContinuationPoint', 'ByteString'), ('HistoryData', 'ExtensionObject')]

class opcua.ua.uaprotocol_auto.HistoryReadValueId
    Bases: object

    Variables
        • NodeId (NodeId) –
        • IndexRange (String) –
        • DataEncoding (QualifiedName) –
        • ContinuationPoint (ByteString) –

    ua_types = [('NodeId', 'NodeId'), ('IndexRange', 'String'), ('DataEncoding', 'QualifiedName'), ('ContinuationPoint', 'ByteString')]

class opcua.ua.uaprotocol_auto.HistoryUpdateDetails
    Bases: object

    Variables NodeId (NodeId) –

    ua_types = [('NodeId', 'NodeId')]

```

```
class opcua.ua.uaprotocol_auto.HistoryUpdateParameters
```

```
    Bases: object
```

```
        Variables HistoryUpdateDetails (ExtensionObject) –
```

```
        ua_types = [('HistoryUpdateDetails', 'ListOfExtensionObject')]
```

```
class opcua.ua.uaprotocol_auto.HistoryUpdateRequest
```

```
    Bases: object
```

```
        Variables
```

- *TypeId* (NodeId) –
- *RequestHeader* (RequestHeader) –
- *Parameters* (HistoryUpdateParameters) –

```
        ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'ListHistoryUpdateParameters')]
```

```
class opcua.ua.uaprotocol_auto.HistoryUpdateResponse
```

```
    Bases: object
```

```
        Variables
```

- *TypeId* (NodeId) –
- *ResponseHeader* (ResponseHeader) –
- *Results* (HistoryUpdateResult) –
- *DiagnosticInfos* (DiagnosticInfo) –

```
        ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Results', 'ListHistoryUpdateResult'), ('DiagnosticInfos', 'ListDiagnosticInfo')]
```

```
class opcua.ua.uaprotocol_auto.HistoryUpdateResult
```

```
    Bases: object
```

```
        Variables
```

- *StatusCode* (StatusCode) –
- *OperationResults* (StatusCode) –
- *DiagnosticInfos* (DiagnosticInfo) –

```
        ua_types = [('StatusCode', 'StatusCode'), ('OperationResults', 'ListStatusCode'), ('DiagnosticInfos', 'ListDiagnosticInfo')]
```

```
class opcua.ua.uaprotocol_auto.HistoryUpdateType
```

```
    Bases: enum.IntEnum
```

```
        Variables
```

- *Insert* (1) –
- *Replace* (2) –
- *Update* (3) –
- *Delete* (4) –

```
        Delete = 4
```

```
        Insert = 1
```

```
        Replace = 2
```

```
        Update = 3
```



```
class opcua.ua.uaprotocol_auto.IdType
```

```
Bases: enum.IntEnum
```

The type of identifier used in a node id.

#### Variables

- *Numeric* (0) –
- *String* (1) –
- *Guid* (2) –
- *Opaque* (3) –

```
Guid = 2
```

```
Numeric = 0
```

```
Opaque = 3
```

```
String = 1
```

```
class opcua.ua.uaprotocol_auto.IdentityCriteriaType
```

```
Bases: enum.IntEnum
```

#### Variables

- *UserName* (1) –
- *Thumbprint* (2) –
- *Role* (3) –
- *GroupId* (4) –
- *Anonymous* (5) –
- *AuthenticatedUser* (6) –

```
Anonymous = 5
```

```
AuthenticatedUser = 6
```

```
GroupId = 4
```

```
Role = 3
```

```
Thumbprint = 2
```

```
UserName = 1
```

```
class opcua.ua.uaprotocol_auto.IdentityMappingRuleType
```

```
Bases: object
```

#### Variables

- *CriteriaType* (*IdentityCriteriaType*) –
- *Criteria* (*String*) –

```
ua_types = [('CriteriaType', 'IdentityCriteriaType'), ('Criteria', 'String')]
```

```
class opcua.ua.uaprotocol_auto.IssuedIdentityToken
```

```
Bases: object
```

A token representing a user identified by a WS-Security XML token.

#### Variables

```
    • PolicyId(String) –
    • TokenData(ByteString) –
    • EncryptionAlgorithm(String) –
    ua_types = [('PolicyId', 'String'), ('TokenData', 'ByteString'), ('EncryptionAlgorithm', 'String')]

class opcua.ua.uaprotocol_auto.JsonDataSetMessageContentMask
    Bases: enum.IntEnum

    Variables
        • DataSetWriterId(1) –
        • MetaDataVersion(2) –
        • SequenceNumber(4) –
        • Timestamp(8) –
        • Status(16) –

    DataSetWriterId = 1
    MetaDataVersion = 2
    SequenceNumber = 4
    Status = 16
    Timestamp = 8

class opcua.ua.uaprotocol_auto.JsonDataSetReaderMessageDataType
    Bases: object

    Variables
        • NetworkMessageContentMask(JsonNetworkMessageContentMask) –
        • DataSetMessageContentMask(JsonDataSetMessageContentMask) –

    ua_types = [('NetworkMessageContentMask', 'JsonNetworkMessageContentMask'), ('DataSetMessageContentMask', 'JsonDataSetMessageContentMask')]

class opcua.ua.uaprotocol_auto.JsonDataSetWriterMessageDataType
    Bases: object

    Variables DataSetMessageContentMask(JsonDataSetMessageContentMask) –

    ua_types = [('DataSetMessageContentMask', 'JsonDataSetMessageContentMask')]

class opcua.ua.uaprotocol_auto.JsonNetworkMessageContentMask
    Bases: enum.IntEnum

    Variables
        • NetworkMessageHeader(1) –
        • DataSetMessageHeader(2) –
        • SingleDataSetMessage(4) –
        • PublisherId(8) –
        • DataSetClassId(16) –
        • ReplyTo(32) –

    DataSetClassId = 16
```

```

    DataSetMessageHeader = 2
    NetworkMessageHeader = 1
    PublisherId = 8
    ReplyTo = 32
    SingleDataSetMessage = 4

class opcua.ua.uaprotocol_auto.JsonWriterGroupMessageDataType
    Bases: object
        Variables NetworkMessageContentMask (JsonNetworkMessageContentMask) –
        ua_types = [('NetworkMessageContentMask', 'JsonNetworkMessageContentMask')]

class opcua.ua.uaprotocol_auto.KeyValuePair
    Bases: object
        Variables
            • Key (QualifiedName) –
            • Value (Variant) –
        ua_types = [('Key', 'QualifiedName'), ('Value', 'Variant')]

class opcua.ua.uaprotocol_auto.LiteralOperand
    Bases: object
        Variables Value (Variant) –
        ua_types = [('Value', 'Variant')]

class opcua.ua.uaprotocol_auto.MdnsDiscoveryConfiguration
    Bases: object
        The discovery information needed for mDNS registration.
        Variables
            • MdnsServerName (String) –
            • ServerCapabilities (String) –
        ua_types = [('MdnsServerName', 'String'), ('ServerCapabilities', 'ListOfString')]

class opcua.ua.uaprotocol_auto.MessageSecurityMode
    Bases: enum.IntEnum
        The type of security to use on a message.
        Variables
            • Invalid (0) –
            • None (1) –
            • Sign (2) –
            • SignAndEncrypt (3) –
        Invalid = 0
        None_ = 1
        Sign = 2
        SignAndEncrypt = 3

```

```
class opcua.ua.uaprotocol_auto.MethodAttributes
```

```
Bases: object
```

The attributes for a method node.

#### Variables

- **SpecifiedAttributes** (*UInt32*) –
- **DisplayName** (*LocalizedText*) –
- **Description** (*LocalizedText*) –
- **WriteMask** (*UInt32*) –
- **UserWriteMask** (*UInt32*) –
- **Executable** (*Boolean*) –
- **UserExecutable** (*Boolean*) –

```
ua_types = [('SpecifiedAttributes', 'UInt32'), ('DisplayName', 'LocalizedText'), ('Des
```

```
class opcua.ua.uaprotocol_auto.ModelChangeStructureDataType
```

```
Bases: object
```

#### Variables

- **Affected** (*NodeId*) –
- **AffectedType** (*NodeId*) –
- **Verb** (*Byte*) –

```
ua_types = [('Affected', 'NodeId'), ('AffectedType', 'NodeId'), ('Verb', 'Byte')]
```

```
class opcua.ua.uaprotocol_auto.ModelChangeStructureVerbMask
```

```
Bases: enum.IntEnum
```

#### Variables

- **NodeAdded** (1) –
- **NodeDeleted** (2) –
- **ReferenceAdded** (4) –
- **ReferenceDeleted** (8) –
- **DataTypeChanged** (16) –

```
DataTypeChanged = 16
```

```
NodeAdded = 1
```

```
NodeDeleted = 2
```

```
ReferenceAdded = 4
```

```
ReferenceDeleted = 8
```

```
class opcua.ua.uaprotocol_auto.ModificationInfo
```

```
Bases: object
```

#### Variables

- **ModificationTime** (*DateTime*) –
- **UpdateType** (*HistoryUpdateType*) –

```

    • UserName (String) –

    ua_types = [('ModificationTime', 'DateTime'), ('UpdateType', 'HistoryUpdateType'), ('U

class opcua.ua.uaprotocol_auto.ModifyMonitoredItemsParameters
    Bases: object

    Variables

    • SubscriptionId (UInt32) –

    • TimestampsToReturn (TimestampsToReturn) –

    • ItemsToModify (MonitoredItemModifyRequest) –

    ua_types = [('SubscriptionId', 'UInt32'), ('TimestampsToReturn', 'TimestampsToReturn')

class opcua.ua.uaprotocol_auto.ModifyMonitoredItemsRequest
    Bases: object

    Variables

    • TypeId (NodeId) –

    • RequestHeader (RequestHeader) –

    • Parameters (ModifyMonitoredItemsParameters) –

    ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'L

class opcua.ua.uaprotocol_auto.ModifyMonitoredItemsResponse
    Bases: object

    Variables

    • TypeId (NodeId) –

    • ResponseHeader (ResponseHeader) –

    • Results (MonitoredItemModifyResult) –

    • DiagnosticInfos (DiagnosticInfo) –

    ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Results', 'L

class opcua.ua.uaprotocol_auto.ModifySubscriptionParameters
    Bases: object

    Variables

    • SubscriptionId (UInt32) –

    • RequestedPublishingInterval (Double) –

    • RequestedLifetimeCount (UInt32) –

    • RequestedMaxKeepAliveCount (UInt32) –

    • MaxNotificationsPerPublish (UInt32) –

    • Priority (Byte) –

    ua_types = [('SubscriptionId', 'UInt32'), ('RequestedPublishingInterval', 'Double'), (

class opcua.ua.uaprotocol_auto.ModifySubscriptionRequest
    Bases: object

    Variables

    • TypeId (NodeId) –

```

```
    • RequestHeader (RequestHeader) –
    • Parameters (ModifySubscriptionParameters) –
    ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'Parameters')]
class opcua.ua.uaprotocol_auto.ModifySubscriptionResponse
    Bases: object
    Variables
    • TypeId (NodeId) –
    • ResponseHeader (ResponseHeader) –
    • Parameters (ModifySubscriptionResult) –
    ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Parameters', 'Parameters')]
class opcua.ua.uaprotocol_auto.ModifySubscriptionResult
    Bases: object
    Variables
    • RevisedPublishingInterval (Double) –
    • RevisedLifetimeCount (UInt32) –
    • RevisedMaxKeepAliveCount (UInt32) –
    ua_types = [('RevisedPublishingInterval', 'Double'), ('RevisedLifetimeCount', 'UInt32'), ('RevisedMaxKeepAliveCount', 'UInt32')]
class opcua.ua.uaprotocol_auto.MonitoredItemCreateRequest
    Bases: object
    Variables
    • ItemToMonitor (ReadValueId) –
    • MonitoringMode (MonitoringMode) –
    • RequestedParameters (MonitoringParameters) –
    ua_types = [('ItemToMonitor', 'ReadValueId'), ('MonitoringMode', 'MonitoringMode'), ('RequestedParameters', 'MonitoringParameters')]
class opcua.ua.uaprotocol_auto.MonitoredItemCreateResult
    Bases: object
    Variables
    • StatusCode (StatusCode) –
    • MonitoredItemId (UInt32) –
    • RevisedSamplingInterval (Double) –
    • RevisedQueueSize (UInt32) –
    • FilterResult (ExtensionObject) –
    ua_types = [('StatusCode', 'StatusCode'), ('MonitoredItemId', 'UInt32'), ('RevisedSamplingInterval', 'Double'), ('RevisedQueueSize', 'UInt32'), ('FilterResult', 'ExtensionObject')]
class opcua.ua.uaprotocol_auto.MonitoredItemModifyRequest
    Bases: object
    Variables
    • MonitoredItemId (UInt32) –
    • RequestedParameters (MonitoringParameters) –
```

```

    ua_types = [('MonitoredItemId', 'UInt32'), ('RequestedParameters', 'MonitoringParameters')]

class opcua.ua.uaprotocol_auto.MonitoredItemModifyResult
    Bases: object

    Variables
        • StatusCode (StatusCode) –
        • RevisedSamplingInterval (Double) –
        • RevisedQueueSize (UInt32) –
        • FilterResult (ExtensionObject) –

    ua_types = [('StatusCode', 'StatusCode'), ('RevisedSamplingInterval', 'Double'), ('RevisedQueueSize', 'UInt32')]

class opcua.ua.uaprotocol_auto.MonitoredItemNotification
    Bases: object

    Variables
        • ClientHandle (UInt32) –
        • Value (DataValue) –

    ua_types = [('ClientHandle', 'UInt32'), ('Value', 'DataValue')]

class opcua.ua.uaprotocol_auto.MonitoringFilter
    Bases: object

    ua_types = []

class opcua.ua.uaprotocol_auto.MonitoringFilterResult
    Bases: object

    ua_types = []

class opcua.ua.uaprotocol_auto.MonitoringMode
    Bases: enum.IntEnum

    Variables
        • Disabled (0) –
        • Sampling (1) –
        • Reporting (2) –

    Disabled = 0
    Reporting = 2
    Sampling = 1

class opcua.ua.uaprotocol_auto.MonitoringParameters
    Bases: object

    Variables
        • ClientHandle (UInt32) –
        • SamplingInterval (Double) –
        • Filter (ExtensionObject) –
        • QueueSize (UInt32) –
        • DiscardOldest (Boolean) –

```

```
    ua_types = [('ClientHandle', 'UInt32'), ('SamplingInterval', 'Double'), ('Filter', 'Ex

class opcua.ua.uaprotocol_auto.NamingRuleType
    Bases: enum.IntEnum

    Variables

        • Mandatory (1) –
        • Optional (2) –
        • Constraint (3) –

    Constraint = 3
    Mandatory = 1
    Optional = 2

class opcua.ua.uaprotocol_auto.NetworkAddressDataType
    Bases: object

    Variables NetworkInterface (String) –

    ua_types = [('NetworkInterface', 'String')]

class opcua.ua.uaprotocol_auto.NetworkAddressUrlDataType
    Bases: object

    Variables

        • NetworkInterface (String) –
        • Url (String) –

    ua_types = [('NetworkInterface', 'String'), ('Url', 'String')]

class opcua.ua.uaprotocol_auto.NetworkGroupDataType
    Bases: object

    Variables

        • ServerUri (String) –
        • NetworkPaths (EndpointUrlListDataType) –

    ua_types = [('ServerUri', 'String'), ('NetworkPaths', 'ListOfEndpointUrlListDataType')]

class opcua.ua.uaprotocol_auto.NodeAttributes
    Bases: object

    The base attributes for all nodes.

    Variables

        • SpecifiedAttributes (UInt32) –
        • DisplayName (LocalizedText) –
        • Description (LocalizedText) –
        • WriteMask (UInt32) –
        • UserWriteMask (UInt32) –

    ua_types = [('SpecifiedAttributes', 'UInt32'), ('DisplayName', 'LocalizedText'), ('Des
```



**class** opcua.ua.uaprotocol\_auto.**NodeAttributesMask**

Bases: `enum.IntEnum`

The bits used to specify default attributes for a new node.

#### Variables

- **None** (0) –
- **AccessLevel** (1) –
- **ArrayDimensions** (2) –
- **BrowseName** (4) –
- **ContainsNoLoops** (8) –
- **DataType** (16) –
- **Description** (32) –
- **DisplayName** (64) –
- **EventNotifier** (128) –
- **Executable** (256) –
- **Historizing** (512) –
- **InverseName** (1024) –
- **IsAbstract** (2048) –
- **MinimumSamplingInterval** (4096) –
- **NodeClass** (8192) –
- **NodeId** (16384) –
- **Symmetric** (32768) –
- **UserAccessLevel** (65536) –
- **UserExecutable** (131072) –
- **UserWriteMask** (262144) –
- **ValueRank** (524288) –
- **WriteMask** (1048576) –
- **Value** (2097152) –
- **DataTypeDefinition** (4194304) –
- **RolePermissions** (8388608) –
- **AccessRestrictions** (16777216) –
- **All** (33554431) –
- **BaseNode** (26501220) –
- **Object** (26501348) –
- **ObjectType** (26503268) –
- **Variable** (26571383) –
- **VariableType** (28600438) –

- `Method` (26632548) –
- `ReferenceType` (26537060) –
- `View` (26501356) –

```
AccessLevel = 1
AccessRestrictions = 16777216
All = 33554431
ArrayDimensions = 2
BaseNode = 26501220
BrowseName = 4
ContainsNoLoops = 8
DataType = 16
DataTypeDefinition = 4194304
Description = 32
DisplayName = 64
EventNotifier = 128
Executable = 256
Historizing = 512
InverseName = 1024
IsAbstract = 2048
Method = 26632548
MinimumSamplingInterval = 4096
NodeClass = 8192
NodeId = 16384
None_ = 0
Object = 26501348
ObjectType = 26503268
ReferenceType = 26537060
RolePermissions = 8388608
Symmetric = 32768
UserAccessLevel = 65536
UserExecutable = 131072
UserWriteMask = 262144
Value = 2097152
ValueRank = 524288
Variable = 26571383
VariableType = 28600438
```

```
View = 26501356
```

```
WriteMask = 1048576
```

```
class opcua.ua.uaprotocol_auto.NodeClass
```

```
Bases: enum.IntEnum
```

A mask specifying the class of the node.

#### Variables

- *Unspecified* (0) –
- *Object* (1) –
- *Variable* (2) –
- *Method* (4) –
- *ObjectType* (8) –
- *VariableType* (16) –
- *ReferenceType* (32) –
- *DataType* (64) –
- *View* (128) –

```
DataType = 64
```

```
Method = 4
```

```
Object = 1
```

```
ObjectType = 8
```

```
ReferenceType = 32
```

```
Unspecified = 0
```

```
Variable = 2
```

```
VariableType = 16
```

```
View = 128
```

```
class opcua.ua.uaprotocol_auto.NodeReference
```

```
Bases: object
```

#### Variables

- *NodeId* (NodeId) –
- *ReferenceTypeId* (NodeId) –
- *IsForward* (Boolean) –
- *ReferencedNodeIds* (NodeId) –

```
ua_types = [('NodeId', 'NodeId'), ('ReferenceTypeId', 'NodeId'), ('IsForward', 'Boolean')]
```

```
class opcua.ua.uaprotocol_auto.NodeTypeDescription
```

```
Bases: object
```

#### Variables

- *TypeDefinitionNode* (ExpandedNodeId) –
- *IncludeSubTypes* (Boolean) –

```
    • DataToReturn(QueryDataDescription) –  
    ua_types = [('TypeDefinitionNode', 'ExpandedNodeId'), ('IncludeSubTypes', 'Boolean')],  
class opcua.ua.uaprotocol_auto.NotificationData  
    Bases: object  
    ua_types = []  
class opcua.ua.uaprotocol_auto.NotificationMessage  
    Bases: object  
    Variables  
    • SequenceNumber(UInt32) –  
    • PublishTime(DateTime) –  
    • NotificationData(ExtensionObject) –  
    ua_types = [('SequenceNumber', 'UInt32'), ('PublishTime', 'DateTime'), ('NotificationD  
class opcua.ua.uaprotocol_auto.ObjectAttributes  
    Bases: object  
    The attributes for an object node.  
    Variables  
    • SpecifiedAttributes(UInt32) –  
    • DisplayName(LocalizedText) –  
    • Description(LocalizedText) –  
    • WriteMask(UInt32) –  
    • UserWriteMask(UInt32) –  
    • EventNotifier(Byte) –  
    ua_types = [('SpecifiedAttributes', 'UInt32'), ('DisplayName', 'LocalizedText'), ('Des  
class opcua.ua.uaprotocol_auto.ObjectTypeAttributes  
    Bases: object  
    The attributes for an object type node.  
    Variables  
    • SpecifiedAttributes(UInt32) –  
    • DisplayName(LocalizedText) –  
    • Description(LocalizedText) –  
    • WriteMask(UInt32) –  
    • UserWriteMask(UInt32) –  
    • IsAbstract(Boolean) –  
    ua_types = [('SpecifiedAttributes', 'UInt32'), ('DisplayName', 'LocalizedText'), ('Des  
class opcua.ua.uaprotocol_auto.OpenFileMode  
    Bases: enum.IntEnum  
    Variables  
    • Read(1) –
```

- *Write*(2) –
- *EraseExisting*(4) –
- *Append*(8) –

**Append** = 8

**EraseExisting** = 4

**Read** = 1

**Write** = 2

**class** opcua.ua.uaprotocol\_auto.**OpenSecureChannelParameters**

Bases: object

#### Variables

- **ClientProtocolVersion**(*UInt32*) –
- **RequestType**(*SecurityTokenRequestType*) –
- **SecurityMode**(*MessageSecurityMode*) –
- **ClientNonce**(*ByteString*) –
- **RequestedLifetime**(*UInt32*) –

**ua\_types** = [('ClientProtocolVersion', 'UInt32'), ('RequestType', 'SecurityTokenRequestType'), ('SecurityMode', 'MessageSecurityMode'), ('ClientNonce', 'ByteString'), ('RequestedLifetime', 'UInt32')]

**class** opcua.ua.uaprotocol\_auto.**OpenSecureChannelRequest**

Bases: object

Creates a secure channel with a server.

#### Variables

- **TypeId**(*NodeId*) –
- **RequestHeader**(*RequestHeader*) –
- **Parameters**(*OpenSecureChannelParameters*) –

**ua\_types** = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'OpenSecureChannelParameters')]

**class** opcua.ua.uaprotocol\_auto.**OpenSecureChannelResponse**

Bases: object

Creates a secure channel with a server.

#### Variables

- **TypeId**(*NodeId*) –
- **ResponseHeader**(*ResponseHeader*) –
- **Parameters**(*OpenSecureChannelResult*) –

**ua\_types** = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Parameters', 'OpenSecureChannelResult')]

**class** opcua.ua.uaprotocol\_auto.**OpenSecureChannelResult**

Bases: object

#### Variables

- **ServerProtocolVersion**(*UInt32*) –
- **SecurityToken**(*ChannelSecurityToken*) –

- **ServerNonce** (*ByteString*) –

**ua\_types** = [('ServerProtocolVersion', 'UInt32'), ('SecurityToken', 'ChannelSecurityTok

**class** opcua.ua.uaprotocol\_auto.OptionSet

Bases: object

This abstract Structured DataType is the base DataType for all DataTypes representing a bit mask.

#### Variables

- **Value** (*ByteString*) –
- **ValidBits** (*ByteString*) –

**ua\_types** = [('Value', 'ByteString'), ('ValidBits', 'ByteString')]

**class** opcua.ua.uaprotocol\_auto.OverrideValueHandling

Bases: enum.IntEnum

#### Variables

- **Disabled** (0) –
- **LastUseableValue** (1) –
- **OverrideValue** (2) –

**Disabled** = 0

**LastUseableValue** = 1

**OverrideValue** = 2

**class** opcua.ua.uaprotocol\_auto.ParsingResult

Bases: object

#### Variables

- **StatusCode** (*StatusCode*) –
- **DataStatusCodes** (*StatusCode*) –
- **DataDiagnosticInfos** (*DiagnosticInfo*) –

**ua\_types** = [('StatusCode', 'StatusCode'), ('DataStatusCodes', 'ListOfStatusCode'), ('D

**class** opcua.ua.uaprotocol\_auto.PerformUpdateType

Bases: enum.IntEnum

#### Variables

- **Insert** (1) –
- **Replace** (2) –
- **Update** (3) –
- **Remove** (4) –

**Insert** = 1

**Remove** = 4

**Replace** = 2

**Update** = 3

**class** opcua.ua.uaprotocol\_auto.ProgramDiagnostic2DataType

Bases: object

**Variables**

- **CreateSessionId** (*NodeId*) –
- **CreateClientName** (*String*) –
- **InvocationCreationTime** (*DateTime*) –
- **LastTransitionTime** (*DateTime*) –
- **LastMethodCall** (*String*) –
- **LastMethodSessionId** (*NodeId*) –
- **LastMethodInputArguments** (*Argument*) –
- **LastMethodOutputArguments** (*Argument*) –
- **LastMethodInputValues** (*Variant*) –
- **LastMethodOutputValues** (*Variant*) –
- **LastMethodCallTime** (*DateTime*) –
- **LastMethodReturnStatus** (*StatusResult*) –

```
ua_types = [('CreateSessionId', 'NodeId'), ('CreateClientName', 'String'), ('Invocation
```

```
class opcua.ua.uaprotocol_auto.ProgramDiagnosticDataType
```

```
Bases: object
```

**Variables**

- **CreateSessionId** (*NodeId*) –
- **CreateClientName** (*String*) –
- **InvocationCreationTime** (*DateTime*) –
- **LastTransitionTime** (*DateTime*) –
- **LastMethodCall** (*String*) –
- **LastMethodSessionId** (*NodeId*) –
- **LastMethodInputArguments** (*Argument*) –
- **LastMethodOutputArguments** (*Argument*) –
- **LastMethodCallTime** (*DateTime*) –
- **LastMethodReturnStatus** (*StatusResult*) –

```
ua_types = [('CreateSessionId', 'NodeId'), ('CreateClientName', 'String'), ('Invocation
```

```
class opcua.ua.uaprotocol_auto.PubSubConfigurationDataType
```

```
Bases: object
```

**Variables**

- **PublishedDataSets** (*PublishedDataSetDataType*) –
- **Connections** (*PubSubConnectionDataType*) –
- **Enabled** (*Boolean*) –

```
ua_types = [('PublishedDataSets', 'ListOfPublishedDataSetDataType'), ('Connections', 'List
```

```
class opcua.ua.uaprotocol_auto.PubSubConnectionDataType
```

```
Bases: object
```

**Variables**

- **Name** (*String*) –
- **Enabled** (*Boolean*) –
- **PublisherId** (*Variant*) –
- **TransportProfileUri** (*String*) –
- **Address** (*ExtensionObject*) –
- **ConnectionProperties** (*KeyValuePair*) –
- **TransportSettings** (*ExtensionObject*) –
- **WriterGroups** (*WriterGroupDataType*) –
- **ReaderGroups** (*ReaderGroupDataType*) –

```
ua_types = [('Name', 'String'), ('Enabled', 'Boolean'), ('PublisherId', 'Variant'), ('
```

```
class opcua.ua.uaprotocol_auto.PubSubDiagnosticsCounterClassification
```

```
Bases: enum.IntEnum
```

**Variables**

- **Information** (*0*) –
- **Error** (*1*) –

```
Error = 1
```

```
Information = 0
```

```
class opcua.ua.uaprotocol_auto.PubSubGroupDataType
```

```
Bases: object
```

**Variables**

- **Name** (*String*) –
- **Enabled** (*Boolean*) –
- **SecurityMode** (*MessageSecurityMode*) –
- **SecurityGroupId** (*String*) –
- **SecurityKeyServices** (*EndpointDescription*) –
- **MaxNetworkMessageSize** (*UInt32*) –
- **GroupProperties** (*KeyValuePair*) –

```
ua_types = [('Name', 'String'), ('Enabled', 'Boolean'), ('SecurityMode', 'MessageSecur
```

```
class opcua.ua.uaprotocol_auto.PubSubState
```

```
Bases: enum.IntEnum
```

**Variables**

- **Disabled** (*0*) –
- **Paused** (*1*) –
- **Operational** (*2*) –
- **Error** (*3*) –

```
Disabled = 0
```



```

    Error = 3
    Operational = 2
    Paused = 1

class opcua.ua.uaprotoocol_auto.PublishParameters
    Bases: object
        Variables SubscriptionAcknowledgements (SubscriptionAcknowledgement)–
        ua_types = [('SubscriptionAcknowledgements', 'ListOfSubscriptionAcknowledgement')]

class opcua.ua.uaprotoocol_auto.PublishRequest
    Bases: object
        Variables
            • TypeId (NodeId)–
            • RequestHeader (RequestHeader)–
            • Parameters (PublishParameters)–
        ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', '')]

class opcua.ua.uaprotoocol_auto.PublishResponse
    Bases: object
        Variables
            • TypeId (NodeId)–
            • ResponseHeader (ResponseHeader)–
            • Parameters (PublishResult)–
        ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Parameters', '')]

class opcua.ua.uaprotoocol_auto.PublishResult
    Bases: object
        Variables
            • SubscriptionId (UInt32)–
            • AvailableSequenceNumbers (UInt32)–
            • MoreNotifications (Boolean)–
            • NotificationMessage (NotificationMessage)–
            • Results (StatusCode)–
            • DiagnosticInfos (DiagnosticInfo)–
        ua_types = [('SubscriptionId', 'UInt32'), ('AvailableSequenceNumbers', 'ListOfUInt32')]

class opcua.ua.uaprotoocol_auto.PublishedDataItemsDataType
    Bases: object
        Variables PublishedData (PublishedVariableDataType)–
        ua_types = [('PublishedData', 'ListOfPublishedVariableDataType')]

class opcua.ua.uaprotoocol_auto.PublishedDataSetDataType
    Bases: object
        Variables

```

```
    • Name (String) –
    • DataSetFolder (String) –
    • DataSetMetaData (DataSetMetaDataType) –
    • ExtensionFields (KeyValuePair) –
    • DataSetSource (ExtensionObject) –

    ua_types = [('Name', 'String'), ('DataSetFolder', 'ListOfString'), ('DataSetMetaData',
class opcua.ua.uaprotocol_auto.PublishedDataSetSourceDataType
    Bases: object

    ua_types = []

class opcua.ua.uaprotocol_auto.PublishedEventsDataType
    Bases: object

    Variables

    • EventNotifier (NodeId) –
    • SelectedFields (SimpleAttributeOperand) –
    • Filter (ContentFilter) –

    ua_types = [('EventNotifier', 'NodeId'), ('SelectedFields', 'ListOfSimpleAttributeOper
class opcua.ua.uaprotocol_auto.PublishedVariableDataType
    Bases: object

    Variables

    • PublishedVariable (NodeId) –
    • AttributeId (UInt32) –
    • SamplingIntervalHint (Double) –
    • DeadbandType (UInt32) –
    • DeadbandValue (Double) –
    • IndexRange (String) –
    • SubstituteValue (Variant) –
    • MetaDataProperties (QualifiedName) –

    ua_types = [('PublishedVariable', 'NodeId'), ('AttributeId', 'UInt32'), ('SamplingInter
class opcua.ua.uaprotocol_auto.QueryDataDescription
    Bases: object

    Variables

    • RelativePath (RelativePath) –
    • AttributeId (UInt32) –
    • IndexRange (String) –

    ua_types = [('RelativePath', 'RelativePath'), ('AttributeId', 'UInt32'), ('IndexRange'
class opcua.ua.uaprotocol_auto.QueryDataSet
    Bases: object

    Variables
```

- **NodeId** (*ExpandedNodeId*) –
- **TypeDefinitionNode** (*ExpandedNodeId*) –
- **Values** (*Variant*) –

```
ua_types = [('NodeId', 'ExpandedNodeId'), ('TypeDefinitionNode', 'ExpandedNodeId'), ('
```

```
class opcua.ua.uaprotocol_auto.QueryFirstParameters
    Bases: object
```

#### Variables

- **View** (*ViewDescription*) –
- **NodeTypes** (*NodeTypeDescription*) –
- **Filter** (*ContentFilter*) –
- **MaxDataSetsToReturn** (*UInt32*) –
- **MaxReferencesToReturn** (*UInt32*) –

```
ua_types = [('View', 'ViewDescription'), ('NodeTypes', 'ListOfNodeTypeDescription'), ('
```

```
class opcua.ua.uaprotocol_auto.QueryFirstRequest
    Bases: object
```

#### Variables

- **TypeId** (*NodeId*) –
- **RequestHeader** (*RequestHeader*) –
- **Parameters** (*QueryFirstParameters*) –

```
ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', ')
```

```
class opcua.ua.uaprotocol_auto.QueryFirstResponse
    Bases: object
```

#### Variables

- **TypeId** (*NodeId*) –
- **ResponseHeader** (*ResponseHeader*) –
- **Parameters** (*QueryFirstResult*) –

```
ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Parameters',
```

```
class opcua.ua.uaprotocol_auto.QueryFirstResult
    Bases: object
```

#### Variables

- **QueryDataSets** (*QueryDataSet*) –
- **ContinuationPoint** (*ByteString*) –
- **ParsingResults** (*ParsingResult*) –
- **DiagnosticInfos** (*DiagnosticInfo*) –
- **FilterResult** (*ContentFilterResult*) –

```
ua_types = [('QueryDataSets', 'ListOfQueryDataSet'), ('ContinuationPoint', 'ByteString
```

```
class opcua.ua.uaprotocol_auto.QueryNextParameters
    Bases: object
```

**Variables**

- **ReleaseContinuationPoint** (*Boolean*) –
- **ContinuationPoint** (*ByteString*) –

```
ua_types = [('ReleaseContinuationPoint', 'Boolean'), ('ContinuationPoint', 'ByteString')]
```

```
class opcua.ua.uaprotocol_auto.QueryNextRequest
    Bases: object
```

**Variables**

- **TypeId** (*NodeId*) –
- **RequestHeader** (*RequestHeader*) –
- **Parameters** (*QueryNextParameters*) –

```
ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'QueryNextParameters')]
```

```
class opcua.ua.uaprotocol_auto.QueryNextResponse
    Bases: object
```

**Variables**

- **TypeId** (*NodeId*) –
- **ResponseHeader** (*ResponseHeader*) –
- **Parameters** (*QueryNextResult*) –

```
ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Parameters', 'QueryNextResult')]
```

```
class opcua.ua.uaprotocol_auto.QueryNextResult
    Bases: object
```

**Variables**

- **QueryDataSets** (*QueryDataSet*) –
- **RevisedContinuationPoint** (*ByteString*) –

```
ua_types = [('QueryDataSets', 'ListOfQueryDataSet'), ('RevisedContinuationPoint', 'ByteString')]
```

```
class opcua.ua.uaprotocol_auto.Range
    Bases: object
```

**Variables**

- **Low** (*Double*) –
- **High** (*Double*) –

```
ua_types = [('Low', 'Double'), ('High', 'Double')]
```

```
class opcua.ua.uaprotocol_auto.ReadAtTimeDetails
    Bases: object
```

**Variables**

- **ReqTimes** (*DateTime*) –
- **UseSimpleBounds** (*Boolean*) –

```
ua_types = [('ReqTimes', 'ListOfDateTime'), ('UseSimpleBounds', 'Boolean')]
```

```
class opcua.ua.uaprotocol_auto.ReadEventDetails
    Bases: object
```

**Variables**

- **NumValuesPerNode** (*UInt32*) –
- **StartTime** (*DateTime*) –
- **EndTime** (*DateTime*) –
- **Filter** (*EventFilter*) –

```
ua_types = [('NumValuesPerNode', 'UInt32'), ('StartTime', 'DateTime'), ('EndTime', 'Da
```

```
class opcua.ua.uaprotocol_auto.ReadParameters
```

```
Bases: object
```

**Variables**

- **MaxAge** (*Double*) –
- **TimestampsToReturn** (*TimestampsToReturn*) –
- **NodesToRead** (*ReadValueId*) –

```
ua_types = [('MaxAge', 'Double'), ('TimestampsToReturn', 'TimestampsToReturn'), ('Node
```

```
class opcua.ua.uaprotocol_auto.ReadProcessedDetails
```

```
Bases: object
```

**Variables**

- **StartTime** (*DateTime*) –
- **EndTime** (*DateTime*) –
- **ProcessingInterval** (*Double*) –
- **AggregateType** (*NodeId*) –
- **AggregateConfiguration** (*AggregateConfiguration*) –

```
ua_types = [('StartTime', 'DateTime'), ('EndTime', 'DateTime'), ('ProcessingInterval',
```

```
class opcua.ua.uaprotocol_auto.ReadRawModifiedDetails
```

```
Bases: object
```

**Variables**

- **IsReadModified** (*Boolean*) –
- **StartTime** (*DateTime*) –
- **EndTime** (*DateTime*) –
- **NumValuesPerNode** (*UInt32*) –
- **ReturnBounds** (*Boolean*) –

```
ua_types = [('IsReadModified', 'Boolean'), ('StartTime', 'DateTime'), ('EndTime', 'Dat
```

```
class opcua.ua.uaprotocol_auto.ReadRequest
```

```
Bases: object
```

**Variables**

- **TypeId** (*NodeId*) –
- **RequestHeader** (*RequestHeader*) –
- **Parameters** (*ReadParameters*) –

```
    ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'Parameters')]

class opcua.ua.uaprotocol_auto.ReadResponse
    Bases: object

    Variables

    • TypeId (NodeId) –
    • ResponseHeader (ResponseHeader) –
    • Results (DataValue) –
    • DiagnosticInfos (DiagnosticInfo) –

    ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Results', 'List[DataValue]')]

class opcua.ua.uaprotocol_auto.ReadValueId
    Bases: object

    Variables

    • NodeId (NodeId) –
    • AttributeId (UInt32) –
    • IndexRange (String) –
    • DataEncoding (QualifiedName) –

    ua_types = [('NodeId', 'NodeId'), ('AttributeId', 'UInt32'), ('IndexRange', 'String'), ('DataEncoding', 'QualifiedName')]

class opcua.ua.uaprotocol_auto.ReaderGroupDataType
    Bases: object

    Variables

    • Name (String) –
    • Enabled (Boolean) –
    • SecurityMode (MessageSecurityMode) –
    • SecurityGroupId (String) –
    • SecurityKeyServices (EndpointDescription) –
    • MaxNetworkMessageSize (UInt32) –
    • GroupProperties (KeyValuePair) –
    • TransportSettings (ExtensionObject) –
    • MessageSettings (ExtensionObject) –
    • DataSetReaders (DataSetReaderDataType) –

    ua_types = [('Name', 'String'), ('Enabled', 'Boolean'), ('SecurityMode', 'MessageSecurityMode'), ('SecurityGroupId', 'String'), ('SecurityKeyServices', 'EndpointDescription'), ('MaxNetworkMessageSize', 'UInt32'), ('GroupProperties', 'KeyValuePair'), ('TransportSettings', 'ExtensionObject'), ('MessageSettings', 'ExtensionObject'), ('DataSetReaders', 'List[DataSetReaderDataType]')]

class opcua.ua.uaprotocol_auto.ReaderGroupMessageDataType
    Bases: object

    ua_types = []

class opcua.ua.uaprotocol_auto.ReaderGroupTransportDataType
    Bases: object

    ua_types = []
```

```
class opcua.ua.uaprotocol_auto.RedundancySupport
    Bases: enum.IntEnum
```

#### Variables

- **None** (0) –
- **Cold** (1) –
- **Warm** (2) –
- **Hot** (3) –
- **Transparent** (4) –
- **HotAndMirrored** (5) –

```
Cold = 1
```

```
Hot = 3
```

```
HotAndMirrored = 5
```

```
None_ = 0
```

```
Transparent = 4
```

```
Warm = 2
```

```
class opcua.ua.uaprotocol_auto.RedundantServerDataType
    Bases: object
```

#### Variables

- **ServerId** (String) –
- **ServiceLevel** (Byte) –
- **ServerState** (ServerState) –

```
ua_types = [('ServerId', 'String'), ('ServiceLevel', 'Byte'), ('ServerState', 'ServerS
```

```
class opcua.ua.uaprotocol_auto.ReferenceDescription
    Bases: object
```

The description of a reference.

#### Variables

- **ReferenceTypeId** (NodeId) –
- **IsForward** (Boolean) –
- **NodeId** (ExpandedNodeId) –
- **BrowseName** (QualifiedName) –
- **DisplayName** (LocalizedText) –
- **NodeClass** (NodeClass) –
- **TypeDefinition** (ExpandedNodeId) –

```
ua_types = [('ReferenceTypeId', 'NodeId'), ('IsForward', 'Boolean'), ('NodeId', 'Expan
```

```
class opcua.ua.uaprotocol_auto.ReferenceTypeAttributes
    Bases: object
```

The attributes for a reference type node.

**Variables**

- **SpecifiedAttributes** (*UInt32*) –
- **DisplayName** (*LocalizedText*) –
- **Description** (*LocalizedText*) –
- **WriteMask** (*UInt32*) –
- **UserWriteMask** (*UInt32*) –
- **IsAbstract** (*Boolean*) –
- **Symmetric** (*Boolean*) –
- **InverseName** (*LocalizedText*) –

```
ua_types = [('SpecifiedAttributes', 'UInt32'), ('DisplayName', 'LocalizedText'), ('Des
```

```
class opcua.ua.uaprotocol_auto.RegisterNodesParameters
```

```
Bases: object
```

**Variables** **NodesToRegister** (*NodeId*) –

```
ua_types = [('NodesToRegister', 'ListOfNodeId')]
```

```
class opcua.ua.uaprotocol_auto.RegisterNodesRequest
```

```
Bases: object
```

Registers one or more nodes for repeated use within a session.

**Variables**

- **TypeId** (*NodeId*) –
- **RequestHeader** (*RequestHeader*) –
- **Parameters** (*RegisterNodesParameters*) –

```
ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'I
```

```
class opcua.ua.uaprotocol_auto.RegisterNodesResponse
```

```
Bases: object
```

Registers one or more nodes for repeated use within a session.

**Variables**

- **TypeId** (*NodeId*) –
- **ResponseHeader** (*ResponseHeader*) –
- **Parameters** (*RegisterNodesResult*) –

```
ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Parameters',
```

```
class opcua.ua.uaprotocol_auto.RegisterNodesResult
```

```
Bases: object
```

**Variables** **RegisteredNodeIds** (*NodeId*) –

```
ua_types = [('RegisteredNodeIds', 'ListOfNodeId')]
```

```
class opcua.ua.uaprotocol_auto.RegisterServer2Parameters
```

```
Bases: object
```

**Variables**

- **Server** (*RegisteredServer*) –



```

    • DiscoveryConfiguration (ExtensionObject) –

    ua_types = [('Server', 'RegisteredServer'), ('DiscoveryConfiguration', 'ListOfExtensions')]

class opcua.ua.uaprotocol_auto.RegisterServer2Request
    Bases: object

    Variables

    • TypeId (NodeId) –

    • RequestHeader (RequestHeader) –

    • Parameters (RegisterServer2Parameters) –

    ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'Parameters')]

class opcua.ua.uaprotocol_auto.RegisterServer2Response
    Bases: object

    Variables

    • TypeId (NodeId) –

    • ResponseHeader (ResponseHeader) –

    • ConfigurationResults (StatusCode) –

    • DiagnosticInfos (DiagnosticInfo) –

    ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('ConfigurationResults', 'ConfigurationResults')]

class opcua.ua.uaprotocol_auto.RegisterServerRequest
    Bases: object

    Registers a server with the discovery server.

    Variables

    • TypeId (NodeId) –

    • RequestHeader (RequestHeader) –

    • Server (RegisteredServer) –

    ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Server', 'RegisteredServer')]

class opcua.ua.uaprotocol_auto.RegisterServerResponse
    Bases: object

    Registers a server with the discovery server.

    Variables

    • TypeId (NodeId) –

    • ResponseHeader (ResponseHeader) –

    ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader')]

class opcua.ua.uaprotocol_auto.RegisteredServer
    Bases: object

    The information required to register a server with a discovery server.

    Variables

    • ServerUri (String) –

    • ProductUri (String) –

```

- **ServerNames** (*LocalizedText*) –
- **ServerType** (*ApplicationType*) –
- **GatewayServerUri** (*String*) –
- **DiscoveryUrls** (*String*) –
- **SemaphoreFilePath** (*String*) –
- **IsOnline** (*Boolean*) –

**ua\_types** = [('ServerUri', 'String'), ('ProductUri', 'String'), ('ServerNames', 'ListOf

**class** opcua.ua.uaprotocol\_auto.RelativePath

Bases: object

A relative path constructed from reference types and browse names.

**Variables** **Elements** (*RelativePathElement*) –

**ua\_types** = [('Elements', 'ListOfRelativePathElement')]

**class** opcua.ua.uaprotocol\_auto.RelativePathElement

Bases: object

An element in a relative path.

**Variables**

- **ReferenceTypeId** (*NodeId*) –
- **IsInverse** (*Boolean*) –
- **IncludeSubtypes** (*Boolean*) –
- **TargetName** (*QualifiedName*) –

**ua\_types** = [('ReferenceTypeId', 'NodeId'), ('IsInverse', 'Boolean'), ('IncludeSubtypes

**class** opcua.ua.uaprotocol\_auto.RepublishParameters

Bases: object

**Variables**

- **SubscriptionId** (*UInt32*) –
- **RetransmitSequenceNumber** (*UInt32*) –

**ua\_types** = [('SubscriptionId', 'UInt32'), ('RetransmitSequenceNumber', 'UInt32')]

**class** opcua.ua.uaprotocol\_auto.RepublishRequest

Bases: object

**Variables**

- **TypeId** (*NodeId*) –
- **RequestHeader** (*RequestHeader*) –
- **Parameters** (*RepublishParameters*) –

**ua\_types** = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'I

**class** opcua.ua.uaprotocol\_auto.RepublishResponse

Bases: object

**Variables**

- **TypeId** (*NodeId*) –

- **ResponseHeader** (ResponseHeader) –
- **NotificationMessage** (NotificationMessage) –

```
ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Notification
```

```
class opcua.ua.uaprotocol_auto.RequestHeader
```

Bases: object

The header passed with every server request.

#### Variables

- **AuthenticationToken** (NodeId) –
- **Timestamp** (DateTime) –
- **RequestHandle** (UInt32) –
- **ReturnDiagnostics** (UInt32) –
- **AuditEntryId** (String) –
- **TimeoutHint** (UInt32) –
- **AdditionalHeader** (ExtensionObject) –

```
ua_types = [('AuthenticationToken', 'NodeId'), ('Timestamp', 'DateTime'), ('RequestHan
```

```
class opcua.ua.uaprotocol_auto.ResponseHeader
```

Bases: object

The header passed with every server response.

#### Variables

- **Timestamp** (DateTime) –
- **RequestHandle** (UInt32) –
- **ServiceResult** (StatusCode) –
- **ServiceDiagnostics** (DiagnosticInfo) –
- **StringTable** (String) –
- **AdditionalHeader** (ExtensionObject) –

```
ua_types = [('Timestamp', 'DateTime'), ('RequestHandle', 'UInt32'), ('ServiceResult',
```

```
class opcua.ua.uaprotocol_auto.RolePermissionType
```

Bases: object

#### Variables

- **RoleId** (NodeId) –
- **Permissions** (UInt32) –

```
ua_types = [('RoleId', 'NodeId'), ('Permissions', 'UInt32')]
```

```
class opcua.ua.uaprotocol_auto.SamplingIntervalDiagnosticsDataType
```

Bases: object

#### Variables

- **SamplingInterval** (Double) –
- **MonitoredItemCount** (UInt32) –

- **MaxMonitoredItemCount** (*UInt32*) –
- **DisabledMonitoredItemCount** (*UInt32*) –

**ua\_types** = [('SamplingInterval', 'Double'), ('MonitoredItemCount', 'UInt32'), ('MaxMon

**class** opcua.ua.uaprotocol\_auto.**SecurityTokenRequestType**

Bases: enum.IntEnum

Indicates whether a token is being created or renewed.

#### Variables

- **Issue** (0) –
- **Renew** (1) –

**Issue** = 0

**Renew** = 1

**class** opcua.ua.uaprotocol\_auto.**SemanticChangeStructureDataType**

Bases: object

#### Variables

- **Affected** (*NodeId*) –
- **AffectedType** (*NodeId*) –

**ua\_types** = [('Affected', 'NodeId'), ('AffectedType', 'NodeId')]

**class** opcua.ua.uaprotocol\_auto.**ServerDiagnosticsSummaryDataType**

Bases: object

#### Variables

- **ServerViewCount** (*UInt32*) –
- **CurrentSessionCount** (*UInt32*) –
- **CumulatedSessionCount** (*UInt32*) –
- **SecurityRejectedSessionCount** (*UInt32*) –
- **RejectedSessionCount** (*UInt32*) –
- **SessionTimeoutCount** (*UInt32*) –
- **SessionAbortCount** (*UInt32*) –
- **CurrentSubscriptionCount** (*UInt32*) –
- **CumulatedSubscriptionCount** (*UInt32*) –
- **PublishingIntervalCount** (*UInt32*) –
- **SecurityRejectedRequestsCount** (*UInt32*) –
- **RejectedRequestsCount** (*UInt32*) –

**ua\_types** = [('ServerViewCount', 'UInt32'), ('CurrentSessionCount', 'UInt32'), ('Cumula

**class** opcua.ua.uaprotocol\_auto.**ServerOnNetwork**

Bases: object

#### Variables

- **RecordId** (*UInt32*) –

```

    • ServerName (String) –
    • DiscoveryUrl (String) –
    • ServerCapabilities (String) –
    ua_types = [('RecordId', 'UInt32'), ('ServerName', 'String'), ('DiscoveryUrl', 'String')]
class opcua.ua.uaprotocol_auto.ServerState
    Bases: enum.IntEnum

    Variables

    • Running (0) –
    • Failed (1) –
    • NoConfiguration (2) –
    • Suspended (3) –
    • Shutdown (4) –
    • Test (5) –
    • CommunicationFault (6) –
    • Unknown (7) –

    CommunicationFault = 6
    Failed = 1
    NoConfiguration = 2
    Running = 0
    Shutdown = 4
    Suspended = 3
    Test = 5
    Unknown = 7

class opcua.ua.uaprotocol_auto.ServerStatusDataType
    Bases: object

    Variables

    • StartTime (DateTime) –
    • CurrentTime (DateTime) –
    • State (ServerState) –
    • BuildInfo (BuildInfo) –
    • SecondsTillShutdown (UInt32) –
    • ShutdownReason (LocalizedText) –

    ua_types = [('StartTime', 'DateTime'), ('CurrentTime', 'DateTime'), ('State', 'ServerS

class opcua.ua.uaprotocol_auto.ServiceCounterDataType
    Bases: object

    Variables

    • TotalCount (UInt32) –

```

- **ErrorCount** (*UInt32*) –

```
ua_types = [('TotalCount', 'UInt32'), ('ErrorCount', 'UInt32')]
```

```
class opcua.ua.uaprotocol_auto.ServiceFault
```

Bases: object

The response returned by all services when there is a service level error.

#### Variables

- **TypeId** (*NodeId*) –
- **ResponseHeader** (*ResponseHeader*) –

```
ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader')]
```

```
class opcua.ua.uaprotocol_auto.SessionDiagnosticsDataType
```

Bases: object

#### Variables

- **SessionId** (*NodeId*) –
- **SessionName** (*String*) –
- **ClientDescription** (*ApplicationDescription*) –
- **ServerUri** (*String*) –
- **EndpointUrl** (*String*) –
- **LocaleIds** (*String*) –
- **ActualSessionTimeout** (*Double*) –
- **MaxResponseMessageSize** (*UInt32*) –
- **ClientConnectionTime** (*DateTime*) –
- **ClientLastContactTime** (*DateTime*) –
- **CurrentSubscriptionsCount** (*UInt32*) –
- **CurrentMonitoredItemsCount** (*UInt32*) –
- **CurrentPublishRequestsInQueue** (*UInt32*) –
- **TotalRequestCount** (*ServiceCounterDataType*) –
- **UnauthorizedRequestCount** (*UInt32*) –
- **ReadCount** (*ServiceCounterDataType*) –
- **HistoryReadCount** (*ServiceCounterDataType*) –
- **WriteCount** (*ServiceCounterDataType*) –
- **HistoryUpdateCount** (*ServiceCounterDataType*) –
- **CallCount** (*ServiceCounterDataType*) –
- **CreateMonitoredItemsCount** (*ServiceCounterDataType*) –
- **ModifyMonitoredItemsCount** (*ServiceCounterDataType*) –
- **SetMonitoringModeCount** (*ServiceCounterDataType*) –
- **SetTriggeringCount** (*ServiceCounterDataType*) –
- **DeleteMonitoredItemsCount** (*ServiceCounterDataType*) –

- **CreateSubscriptionCount** (*ServiceCounterDataType*) –
- **ModifySubscriptionCount** (*ServiceCounterDataType*) –
- **SetPublishingModeCount** (*ServiceCounterDataType*) –
- **PublishCount** (*ServiceCounterDataType*) –
- **RepublishCount** (*ServiceCounterDataType*) –
- **TransferSubscriptionsCount** (*ServiceCounterDataType*) –
- **DeleteSubscriptionsCount** (*ServiceCounterDataType*) –
- **AddNodesCount** (*ServiceCounterDataType*) –
- **AddReferencesCount** (*ServiceCounterDataType*) –
- **DeleteNodesCount** (*ServiceCounterDataType*) –
- **DeleteReferencesCount** (*ServiceCounterDataType*) –
- **BrowseCount** (*ServiceCounterDataType*) –
- **BrowseNextCount** (*ServiceCounterDataType*) –
- **TranslateBrowsePathsToNodeIdsCount** (*ServiceCounterDataType*) –
- **QueryFirstCount** (*ServiceCounterDataType*) –
- **QueryNextCount** (*ServiceCounterDataType*) –
- **RegisterNodesCount** (*ServiceCounterDataType*) –
- **UnregisterNodesCount** (*ServiceCounterDataType*) –

```
ua_types = [('SessionId', 'NodeId'), ('SessionName', 'String'), ('ClientDescription',
```

```
class opcua.ua.uaprotocol_auto.SessionSecurityDiagnosticsDataType
```

```
Bases: object
```

#### Variables

- **SessionId** (*NodeId*) –
- **ClientUserIdOfSession** (*String*) –
- **ClientUserIdHistory** (*String*) –
- **AuthenticationMechanism** (*String*) –
- **Encoding** (*String*) –
- **TransportProtocol** (*String*) –
- **SecurityMode** (*MessageSecurityMode*) –
- **SecurityPolicyUri** (*String*) –
- **ClientCertificate** (*ByteString*) –

```
ua_types = [('SessionId', 'NodeId'), ('ClientUserIdOfSession', 'String'), ('ClientUser
```

```
class opcua.ua.uaprotocol_auto.SessionlessInvokeRequestType
```

```
Bases: object
```

#### Variables

- **UriVersion** (*UInt32*) –
- **NamespaceUri** (*String*) –

```
    • ServerUri (String) –
    • LocaleIds (String) –
    • ServiceId (UInt32) –

    ua_types = [('UriVersion', 'ListOfUInt32'), ('NamespaceUri', 'ListOfString'), ('Serv

class opcua.ua.uaprotocol_auto.SessionlessInvokeResponseType
    Bases: object

    Variables

    • NamespaceUri (String) –
    • ServerUri (String) –
    • ServiceId (UInt32) –

    ua_types = [('NamespaceUri', 'ListOfString'), ('ServerUri', 'ListOfString'), ('Servi

class opcua.ua.uaprotocol_auto.SetMonitoringModeParameters
    Bases: object

    Variables

    • SubscriptionId (UInt32) –
    • MonitoringMode (MonitoringMode) –
    • MonitoredItemIds (UInt32) –

    ua_types = [('SubscriptionId', 'UInt32'), ('MonitoringMode', 'MonitoringMode'), ('Moni

class opcua.ua.uaprotocol_auto.SetMonitoringModeRequest
    Bases: object

    Variables

    • TypeId (NodeId) –
    • RequestHeader (RequestHeader) –
    • Parameters (SetMonitoringModeParameters) –

    ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', '

class opcua.ua.uaprotocol_auto.SetMonitoringModeResponse
    Bases: object

    Variables

    • TypeId (NodeId) –
    • ResponseHeader (ResponseHeader) –
    • Parameters (SetMonitoringModeResult) –

    ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Parameters',

class opcua.ua.uaprotocol_auto.SetMonitoringModeResult
    Bases: object

    Variables

    • Results (StatusCode) –
    • DiagnosticInfos (DiagnosticInfo) –

    ua_types = [('Results', 'ListOfStatusCode'), ('DiagnosticInfos', 'ListOfDiagnosticInfo
```



```
class opcua.ua.uaprotocol_auto.SetPublishingModeParameters
```

```
Bases: object
```

#### Variables

- **PublishingEnabled** (*Boolean*) –
- **SubscriptionIds** (*UInt32*) –

```
ua_types = [('PublishingEnabled', 'Boolean'), ('SubscriptionIds', 'ListOfUInt32')]
```

```
class opcua.ua.uaprotocol_auto.SetPublishingModeRequest
```

```
Bases: object
```

#### Variables

- **TypeId** (*NodeId*) –
- **RequestHeader** (*RequestHeader*) –
- **Parameters** (*SetPublishingModeParameters*) –

```
ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'SetPublishingModeParameters')]
```

```
class opcua.ua.uaprotocol_auto.SetPublishingModeResponse
```

```
Bases: object
```

#### Variables

- **TypeId** (*NodeId*) –
- **ResponseHeader** (*ResponseHeader*) –
- **Parameters** (*SetPublishingModeResult*) –

```
ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Parameters', 'SetPublishingModeResult')]
```

```
class opcua.ua.uaprotocol_auto.SetPublishingModeResult
```

```
Bases: object
```

#### Variables

- **Results** (*StatusCode*) –
- **DiagnosticInfos** (*DiagnosticInfo*) –

```
ua_types = [('Results', 'ListOfStatusCode'), ('DiagnosticInfos', 'ListOfDiagnosticInfo')]
```

```
class opcua.ua.uaprotocol_auto.SetTriggeringParameters
```

```
Bases: object
```

#### Variables

- **SubscriptionId** (*UInt32*) –
- **TriggeringItemId** (*UInt32*) –
- **LinksToAdd** (*UInt32*) –
- **LinksToRemove** (*UInt32*) –

```
ua_types = [('SubscriptionId', 'UInt32'), ('TriggeringItemId', 'UInt32'), ('LinksToAdd', 'UInt32'), ('LinksToRemove', 'UInt32')]
```

```
class opcua.ua.uaprotocol_auto.SetTriggeringRequest
```

```
Bases: object
```

#### Variables

- **TypeId** (*NodeId*) –

```
    • RequestHeader (RequestHeader) –
    • Parameters (SetTriggeringParameters) –

    ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'Parameters')]

class opcua.ua.uaprotocol_auto.SetTriggeringResponse
    Bases: object

    Variables

    • TypeId (NodeId) –
    • ResponseHeader (ResponseHeader) –
    • Parameters (SetTriggeringResult) –

    ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Parameters', 'Parameters')]

class opcua.ua.uaprotocol_auto.SetTriggeringResult
    Bases: object

    Variables

    • AddResults (StatusCode) –
    • AddDiagnosticInfos (DiagnosticInfo) –
    • RemoveResults (StatusCode) –
    • RemoveDiagnosticInfos (DiagnosticInfo) –

    ua_types = [('AddResults', 'ListOfStatusCode'), ('AddDiagnosticInfos', 'ListOfDiagnosticInfo')]

class opcua.ua.uaprotocol_auto.SignatureData
    Bases: object

    A digital signature.

    Variables

    • Algorithm (String) –
    • Signature (ByteString) –

    ua_types = [('Algorithm', 'String'), ('Signature', 'ByteString')]

class opcua.ua.uaprotocol_auto.SignedSoftwareCertificate
    Bases: object

    A software certificate with a digital signature.

    Variables

    • CertificateData (ByteString) –
    • Signature (ByteString) –

    ua_types = [('CertificateData', 'ByteString'), ('Signature', 'ByteString')]

class opcua.ua.uaprotocol_auto.SimpleAttributeOperand
    Bases: object

    Variables

    • TypeDefinitionId (NodeId) –
    • BrowsePath (QualifiedName) –
    • AttributeId (UInt32) –
```

```

    • IndexRange (String) –

    ua_types = [('TypeDefinitionId', 'NodeId'), ('BrowsePath', 'ListOfQualifiedName'), ('A

class opcua.ua.uaprotocol_auto.SimpleTypeDescription
    Bases: object

    Variables

    • DataTypeId (NodeId) –

    • Name (QualifiedName) –

    • BaseDataType (NodeId) –

    • BuiltInType (Byte) –

    ua_types = [('DataTypeId', 'NodeId'), ('Name', 'QualifiedName'), ('BaseDataType', 'Node

class opcua.ua.uaprotocol_auto.StatusChangeNotification
    Bases: object

    Variables

    • Status (StatusCode) –

    • DiagnosticInfo (DiagnosticInfo) –

    ua_types = [('Status', 'StatusCode'), ('DiagnosticInfo', 'DiagnosticInfo')]

class opcua.ua.uaprotocol_auto.StatusResult
    Bases: object

    Variables

    • StatusCode (StatusCode) –

    • DiagnosticInfo (DiagnosticInfo) –

    ua_types = [('StatusCode', 'StatusCode'), ('DiagnosticInfo', 'DiagnosticInfo')]

class opcua.ua.uaprotocol_auto.StructureDefinition
    Bases: object

    Variables

    • DefaultEncodingId (NodeId) –

    • BaseDataType (NodeId) –

    • StructureType (StructureType) –

    • Fields (StructureField) –

    ua_types = [('DefaultEncodingId', 'NodeId'), ('BaseDataType', 'NodeId'), ('StructureTy

class opcua.ua.uaprotocol_auto.StructureDescription
    Bases: object

    Variables

    • DataTypeId (NodeId) –

    • Name (QualifiedName) –

    • StructureDefinition (StructureDefinition) –

    ua_types = [('DataTypeId', 'NodeId'), ('Name', 'QualifiedName'), ('StructureDefinition

```

```
class opcua.ua.uaprotocol_auto.StructureField
```

```
    Bases: object
```

**Variables**

- **Name** (*String*) –
- **Description** (*LocalizedText*) –
- **DataType** (*NodeId*) –
- **ValueRank** (*Int32*) –
- **ArrayDimensions** (*UInt32*) –
- **MaxStringLength** (*UInt32*) –
- **IsOptional** (*Boolean*) –

```
    ua_types = [('Name', 'String'), ('Description', 'LocalizedText'), ('DataType', 'NodeId
```

```
class opcua.ua.uaprotocol_auto.StructureType
```

```
    Bases: enum.IntEnum
```

**Variables**

- **Structure** (0) –
- **StructureWithOptionalFields** (1) –
- **Union** (2) –

```
    Structure = 0
```

```
    StructureWithOptionalFields = 1
```

```
    Union = 2
```

```
class opcua.ua.uaprotocol_auto.SubscribedDataSetDataType
```

```
    Bases: object
```

```
    ua_types = []
```

```
class opcua.ua.uaprotocol_auto.SubscribedDataSetMirrorDataType
```

```
    Bases: object
```

**Variables**

- **ParentNodeName** (*String*) –
- **RolePermissions** (*RolePermissionType*) –

```
    ua_types = [('ParentNodeName', 'String'), ('RolePermissions', 'ListOfRolePermissionTyp
```

```
class opcua.ua.uaprotocol_auto.SubscriptionAcknowledgement
```

```
    Bases: object
```

**Variables**

- **SubscriptionId** (*UInt32*) –
- **SequenceNumber** (*UInt32*) –

```
    ua_types = [('SubscriptionId', 'UInt32'), ('SequenceNumber', 'UInt32')]
```

```
class opcua.ua.uaprotocol_auto.SubscriptionDiagnosticsDataType
```

```
    Bases: object
```

**Variables**

- **SessionId** (*NodeId*) –
- **SubscriptionId** (*UInt32*) –
- **Priority** (*Byte*) –
- **PublishingInterval** (*Double*) –
- **MaxKeepAliveCount** (*UInt32*) –
- **MaxLifetimeCount** (*UInt32*) –
- **MaxNotificationsPerPublish** (*UInt32*) –
- **PublishingEnabled** (*Boolean*) –
- **ModifyCount** (*UInt32*) –
- **EnableCount** (*UInt32*) –
- **DisableCount** (*UInt32*) –
- **RepublishRequestCount** (*UInt32*) –
- **RepublishMessageRequestCount** (*UInt32*) –
- **RepublishMessageCount** (*UInt32*) –
- **TransferRequestCount** (*UInt32*) –
- **TransferredToAltClientCount** (*UInt32*) –
- **TransferredToSameClientCount** (*UInt32*) –
- **PublishRequestCount** (*UInt32*) –
- **DataChangeNotificationsCount** (*UInt32*) –
- **EventNotificationsCount** (*UInt32*) –
- **NotificationsCount** (*UInt32*) –
- **LatePublishRequestCount** (*UInt32*) –
- **CurrentKeepAliveCount** (*UInt32*) –
- **CurrentLifetimeCount** (*UInt32*) –
- **UnacknowledgedMessageCount** (*UInt32*) –
- **DiscardedMessageCount** (*UInt32*) –
- **MonitoredItemCount** (*UInt32*) –
- **DisabledMonitoredItemCount** (*UInt32*) –
- **MonitoringQueueOverflowCount** (*UInt32*) –
- **NextSequenceNumber** (*UInt32*) –
- **EventQueueOverFlowCount** (*UInt32*) –

```
ua_types = [('SessionId', 'NodeId'), ('SubscriptionId', 'UInt32'), ('Priority', 'Byte']
```

```
class opcua.ua.uaprotocol_auto.TargetVariablesDataType
```

```
    Bases: object
```

```
        Variables TargetVariables (FieldTargetDataType) –
```

```
    ua_types = [('TargetVariables', 'ListOfFieldTargetDataType')]
```

```
class opcua.ua.uaprotocol_auto.TimeZoneDataType
```

```
Bases: object
```

**Variables**

- **Offset** (*Int16*) –
- **DaylightSavingInOffset** (*Boolean*) –

```
ua_types = [('Offset', 'Int16'), ('DaylightSavingInOffset', 'Boolean')]
```

```
class opcua.ua.uaprotocol_auto.TimestampsToReturn
```

```
Bases: enum.IntEnum
```

**Variables**

- **Source** (*0*) –
- **Server** (*1*) –
- **Both** (*2*) –
- **Neither** (*3*) –
- **Invalid** (*4*) –

```
Both = 2
```

```
Invalid = 4
```

```
Neither = 3
```

```
Server = 1
```

```
Source = 0
```

```
class opcua.ua.uaprotocol_auto.TransferResult
```

```
Bases: object
```

**Variables**

- **StatusCode** (*StatusCode*) –
- **AvailableSequenceNumbers** (*UInt32*) –

```
ua_types = [('StatusCode', 'StatusCode'), ('AvailableSequenceNumbers', 'ListOfUInt32')]
```

```
class opcua.ua.uaprotocol_auto.TransferSubscriptionsParameters
```

```
Bases: object
```

**Variables**

- **SubscriptionIds** (*UInt32*) –
- **SendInitialValues** (*Boolean*) –

```
ua_types = [('SubscriptionIds', 'ListOfUInt32'), ('SendInitialValues', 'Boolean')]
```

```
class opcua.ua.uaprotocol_auto.TransferSubscriptionsRequest
```

```
Bases: object
```

**Variables**

- **TypeId** (*NodeId*) –
- **RequestHeader** (*RequestHeader*) –
- **Parameters** (*TransferSubscriptionsParameters*) –

```
ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'TransferSubscriptionsParameters')]
```

```
class opcua.ua.uaprotocol_auto.TransferSubscriptionsResponse
```

```
Bases: object
```

#### Variables

- **TypeId** (NodeId) –
- **ResponseHeader** (ResponseHeader) –
- **Parameters** (TransferSubscriptionsResult) –

```
ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Parameters', 'Parameters')]
```

```
class opcua.ua.uaprotocol_auto.TransferSubscriptionsResult
```

```
Bases: object
```

#### Variables

- **Results** (TransferResult) –
- **DiagnosticInfos** (DiagnosticInfo) –

```
ua_types = [('Results', 'ListOfTransferResult'), ('DiagnosticInfos', 'ListOfDiagnosticInfos')]
```

```
class opcua.ua.uaprotocol_auto.TranslateBrowsePathsToNodeIdsParameters
```

```
Bases: object
```

#### Variables

- **BrowsePaths** (BrowsePath) –

```
ua_types = [('BrowsePaths', 'ListOfBrowsePath')]
```

```
class opcua.ua.uaprotocol_auto.TranslateBrowsePathsToNodeIdsRequest
```

```
Bases: object
```

Translates one or more paths in the server address space.

#### Variables

- **TypeId** (NodeId) –
- **RequestHeader** (RequestHeader) –
- **Parameters** (TranslateBrowsePathsToNodeIdsParameters) –

```
ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'Parameters')]
```

```
class opcua.ua.uaprotocol_auto.TranslateBrowsePathsToNodeIdsResponse
```

```
Bases: object
```

Translates one or more paths in the server address space.

#### Variables

- **TypeId** (NodeId) –
- **ResponseHeader** (ResponseHeader) –
- **Results** (BrowsePathResult) –
- **DiagnosticInfos** (DiagnosticInfo) –

```
ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Results', 'ListOfBrowsePathResult')]
```

```
class opcua.ua.uaprotocol_auto.TrustListDataType
```

```
Bases: object
```

#### Variables

- **SpecifiedLists** (UInt32) –

- **TrustedCertificates** (*ByteString*) –
- **TrustedCrls** (*ByteString*) –
- **IssuerCertificates** (*ByteString*) –
- **IssuerCrls** (*ByteString*) –

```
ua_types = [('SpecifiedLists', 'UInt32'), ('TrustedCertificates', 'ListOfByteString'),
```

```
class opcua.ua.uaprotocol_auto.TrustListMasks
```

```
Bases: enum.IntEnum
```

#### Variables

- **None** (0) –
- **TrustedCertificates** (1) –
- **TrustedCrls** (2) –
- **IssuerCertificates** (4) –
- **IssuerCrls** (8) –
- **All** (15) –

```
All = 15
```

```
IssuerCertificates = 4
```

```
IssuerCrls = 8
```

```
None_ = 0
```

```
TrustedCertificates = 1
```

```
TrustedCrls = 2
```

```
class opcua.ua.uaprotocol_auto.UABinaryFileType
```

```
Bases: object
```

#### Variables

- **Namespaces** (*String*) –
- **StructureDataTypes** (*StructureDescription*) –
- **EnumDataTypes** (*EnumDescription*) –
- **SimpleDataTypes** (*SimpleTypeDescription*) –
- **SchemaLocation** (*String*) –
- **FileHeader** (*KeyValuePair*) –
- **Body** (*Variant*) –

```
ua_types = [('Namespaces', 'ListOfString'), ('StructureDataTypes', 'ListOfStructureDes
```

```
class opcua.ua.uaprotocol_auto.UadpDataSetMessageContentMask
```

```
Bases: enum.IntEnum
```

#### Variables

- **Timestamp** (1) –
- **PicoSeconds** (2) –
- **Status** (4) –



- *MajorVersion* (8) –
- *MinorVersion* (16) –
- *SequenceNumber* (32) –

**MajorVersion** = 8

**MinorVersion** = 16

**PicoSeconds** = 2

**SequenceNumber** = 32

**Status** = 4

**Timestamp** = 1

**class** opcua.ua.uaprotocol\_auto.UadpDataSetReaderMessageDataType

Bases: object

#### Variables

- *GroupVersion* (UInt32) –
- *NetworkMessageNumber* (UInt16) –
- *DataSetOffset* (UInt16) –
- *DataSetClassId* (Guid) –
- *NetworkMessageContentMask* (UadpNetworkMessageContentMask) –
- *DataSetMessageContentMask* (UadpDataSetMessageContentMask) –
- *PublishingInterval* (Double) –
- *ReceiveOffset* (Double) –
- *ProcessingOffset* (Double) –

**ua\_types** = [('GroupVersion', 'UInt32'), ('NetworkMessageNumber', 'UInt16'), ('DataSetO

**class** opcua.ua.uaprotocol\_auto.UadpDataSetWriterMessageDataType

Bases: object

#### Variables

- *DataSetMessageContentMask* (UadpDataSetMessageContentMask) –
- *ConfiguredSize* (UInt16) –
- *NetworkMessageNumber* (UInt16) –
- *DataSetOffset* (UInt16) –

**ua\_types** = [('DataSetMessageContentMask', 'UadpDataSetMessageContentMask'), ('Configur

**class** opcua.ua.uaprotocol\_auto.UadpNetworkMessageContentMask

Bases: enum.IntEnum

#### Variables

- *PublisherId* (1) –
- *GroupHeader* (2) –
- *WriterGroupId* (4) –
- *GroupVersion* (8) –

- *NetworkMessageNumber* (16) –
- *SequenceNumber* (32) –
- *PayloadHeader* (64) –
- *Timestamp* (128) –
- *Picoseconds* (256) –
- *DataSetClassId* (512) –
- *PromotedFields* (1024) –

**DataSetClassId** = 512

**GroupHeader** = 2

**GroupVersion** = 8

**NetworkMessageNumber** = 16

**PayloadHeader** = 64

**Picoseconds** = 256

**PromotedFields** = 1024

**PublisherId** = 1

**SequenceNumber** = 32

**Timestamp** = 128

**WriterGroupId** = 4

**class** opcua.ua.uaprotocol\_auto.UadpWriterGroupMessageDataType

Bases: object

**Variables**

- *GroupVersion* (UInt32) –
- *DataSetOrdering* (DataSetOrderingType) –
- *NetworkMessageContentMask* (UadpNetworkMessageContentMask) –
- *SamplingOffset* (Double) –
- *PublishingOffset* (Double) –

**ua\_types** = [('GroupVersion', 'UInt32'), ('DataSetOrdering', 'DataSetOrderingType'), ('

**class** opcua.ua.uaprotocol\_auto.Union

Bases: object

This abstract DataType is the base DataType for all union DataTypes.

**ua\_types** = []

**class** opcua.ua.uaprotocol\_auto.UnregisterNodesParameters

Bases: object

**Variables** *NodesToUnregister* (NodeId) –

**ua\_types** = [('NodesToUnregister', 'ListOfNodeId')]

```
class opcua.ua.uaprotocol_auto.UnregisterNodesRequest
    Bases: object
```

Unregisters one or more previously registered nodes.

#### Variables

- **TypeId** (NodeId) –
- **RequestHeader** (RequestHeader) –
- **Parameters** (UnregisterNodesParameters) –

```
ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'Parameters')]
```

```
class opcua.ua.uaprotocol_auto.UnregisterNodesResponse
    Bases: object
```

Unregisters one or more previously registered nodes.

#### Variables

- **TypeId** (NodeId) –
- **ResponseHeader** (ResponseHeader) –

```
ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader')]
```

```
class opcua.ua.uaprotocol_auto.UpdateDataDetails
    Bases: object
```

#### Variables

- **NodeId** (NodeId) –
- **PerformInsertReplace** (PerformUpdateType) –
- **UpdateValues** (DataValue) –

```
ua_types = [('NodeId', 'NodeId'), ('PerformInsertReplace', 'PerformUpdateType'), ('UpdateValues', 'DataValue')]
```

```
class opcua.ua.uaprotocol_auto.UpdateEventDetails
    Bases: object
```

#### Variables

- **NodeId** (NodeId) –
- **PerformInsertReplace** (PerformUpdateType) –
- **Filter** (EventFilter) –
- **EventData** (HistoryEventFieldList) –

```
ua_types = [('NodeId', 'NodeId'), ('PerformInsertReplace', 'PerformUpdateType'), ('Filter', 'EventFilter')]
```

```
class opcua.ua.uaprotocol_auto.UpdateStructureDataDetails
    Bases: object
```

#### Variables

- **NodeId** (NodeId) –
- **PerformInsertReplace** (PerformUpdateType) –
- **UpdateValues** (DataValue) –

```
ua_types = [('NodeId', 'NodeId'), ('PerformInsertReplace', 'PerformUpdateType'), ('UpdateValues', 'DataValue')]
```

```
class opcua.ua.uaproTOCOL_auto.UserIdentityToken
```

Bases: object

A base type for a user identity token.

**Variables** `PolicyId(String)` –

`ua_types = [('PolicyId', 'String')]`

```
class opcua.ua.uaproTOCOL_auto.UserNameIdentityToken
```

Bases: object

A token representing a user identified by a user name and password.

**Variables**

- `PolicyId(String)` –

- `UserName(String)` –

- `Password(ByteString)` –

- `EncryptionAlgorithm(String)` –

`ua_types = [('PolicyId', 'String'), ('UserName', 'String'), ('Password', 'ByteString')]`

```
class opcua.ua.uaproTOCOL_auto.UserTokenPolicy
```

Bases: object

Describes a user token that can be used with a server.

**Variables**

- `PolicyId(String)` –

- `TokenType(UserTokenType)` –

- `IssuedTokenType(String)` –

- `IssuerEndpointUrl(String)` –

- `SecurityPolicyUri(String)` –

`ua_types = [('PolicyId', 'String'), ('TokenType', 'UserTokenType'), ('IssuedTokenType', 'String')]`

```
class opcua.ua.uaproTOCOL_auto.UserTokenType
```

Bases: enum.IntEnum

The possible user token types.

**Variables**

- `Anonymous(0)` –

- `UserName(1)` –

- `Certificate(2)` –

- `IssuedToken(3)` –

`Anonymous = 0`

`Certificate = 2`

`IssuedToken = 3`

`UserName = 1`

```
class opcua.ua.uaprotocol_auto.VariableAttributes
```

Bases: object

The attributes for a variable node.

#### Variables

- **SpecifiedAttributes** (*UInt32*) –
- **DisplayName** (*LocalizedText*) –
- **Description** (*LocalizedText*) –
- **WriteMask** (*UInt32*) –
- **UserWriteMask** (*UInt32*) –
- **Value** (*Variant*) –
- **DataType** (*NodeId*) –
- **ValueRank** (*Int32*) –
- **ArrayDimensions** (*UInt32*) –
- **AccessLevel** (*Byte*) –
- **UserAccessLevel** (*Byte*) –
- **MinimumSamplingInterval** (*Double*) –
- **Historizing** (*Boolean*) –

```
ua_types = [('SpecifiedAttributes', 'UInt32'), ('DisplayName', 'LocalizedText'), ('Des
```

```
class opcua.ua.uaprotocol_auto.VariableTypeAttributes
```

Bases: object

The attributes for a variable type node.

#### Variables

- **SpecifiedAttributes** (*UInt32*) –
- **DisplayName** (*LocalizedText*) –
- **Description** (*LocalizedText*) –
- **WriteMask** (*UInt32*) –
- **UserWriteMask** (*UInt32*) –
- **Value** (*Variant*) –
- **DataType** (*NodeId*) –
- **ValueRank** (*Int32*) –
- **ArrayDimensions** (*UInt32*) –
- **IsAbstract** (*Boolean*) –

```
ua_types = [('SpecifiedAttributes', 'UInt32'), ('DisplayName', 'LocalizedText'), ('Des
```

```
class opcua.ua.uaprotocol_auto.ViewAttributes
```

Bases: object

The attributes for a view node.

#### Variables

- **SpecifiedAttributes** (*UInt32*) –
- **DisplayName** (*LocalizedText*) –
- **Description** (*LocalizedText*) –
- **WriteMask** (*UInt32*) –
- **UserWriteMask** (*UInt32*) –
- **ContainsNoLoops** (*Boolean*) –
- **EventNotifier** (*Byte*) –

```
ua_types = [('SpecifiedAttributes', 'UInt32'), ('DisplayName', 'LocalizedText'), ('Des
```

```
class opcua.ua.uaprotocol_auto.ViewDescription
```

```
    Bases: object
```

```
    The view to browse.
```

#### Variables

- **ViewId** (*NodeId*) –
- **Timestamp** (*DateTime*) –
- **ViewVersion** (*UInt32*) –

```
ua_types = [('ViewId', 'NodeId'), ('Timestamp', 'DateTime'), ('ViewVersion', 'UInt32')
```

```
class opcua.ua.uaprotocol_auto.WriteParameters
```

```
    Bases: object
```

```
    Variables NodesToWrite (WriteValue) –
```

```
ua_types = [('NodesToWrite', 'ListOfWriteValue')]
```

```
class opcua.ua.uaprotocol_auto.WriteRequest
```

```
    Bases: object
```

#### Variables

- **TypeId** (*NodeId*) –
- **RequestHeader** (*RequestHeader*) –
- **Parameters** (*WriteParameters*) –

```
ua_types = [('TypeId', 'NodeId'), ('RequestHeader', 'RequestHeader'), ('Parameters', 'L
```

```
class opcua.ua.uaprotocol_auto.WriteResponse
```

```
    Bases: object
```

#### Variables

- **TypeId** (*NodeId*) –
- **ResponseHeader** (*ResponseHeader*) –
- **Results** (*StatusCode*) –
- **DiagnosticInfos** (*DiagnosticInfo*) –

```
ua_types = [('TypeId', 'NodeId'), ('ResponseHeader', 'ResponseHeader'), ('Results', 'L
```

```
class opcua.ua.uaprotocol_auto.WriteValue
```

```
    Bases: object
```

#### Variables

- **NodeId** (NodeId) –
- **AttributeId** (UInt32) –
- **IndexRange** (String) –
- **Value** (DataValue) –

```
ua_types = [('NodeId', 'NodeId'), ('AttributeId', 'UInt32'), ('IndexRange', 'String'),
```

```
class opcua.ua.uaprotocol_auto.WriterGroupDataType
```

```
Bases: object
```

#### Variables

- **Name** (String) –
- **Enabled** (Boolean) –
- **SecurityMode** (MessageSecurityMode) –
- **SecurityGroupId** (String) –
- **SecurityKeyServices** (EndpointDescription) –
- **MaxNetworkMessageSize** (UInt32) –
- **GroupProperties** (KeyValuePair) –
- **WriterGroupId** (UInt16) –
- **PublishingInterval** (Double) –
- **KeepAliveTime** (Double) –
- **Priority** (Byte) –
- **LocaleIds** (String) –
- **TransportSettings** (ExtensionObject) –
- **MessageSettings** (ExtensionObject) –
- **DataSetWriters** (DataSetWriterDataType) –

```
ua_types = [('Name', 'String'), ('Enabled', 'Boolean'), ('SecurityMode', 'MessageSecur
```

```
class opcua.ua.uaprotocol_auto.WriterGroupMessageDataType
```

```
Bases: object
```

```
ua_types = []
```

```
class opcua.ua.uaprotocol_auto.WriterGroupTransportDataType
```

```
Bases: object
```

```
ua_types = []
```

```
class opcua.ua.uaprotocol_auto.X509IdentityToken
```

```
Bases: object
```

A token representing a user identified by an X509 certificate.

#### Variables

- **PolicyId** (String) –
- **CertificateData** (ByteString) –

```
ua_types = [('PolicyId', 'String'), ('CertificateData', 'ByteString')]
```

```
class opcua.ua.uaprotocol_auto.XVType
    Bases: object

    Variables

        • X (Double) –
        • Value (Float) –

    ua_types = [('X', 'Double'), ('Value', 'Float')]
```

### opcua.ua.uaprotocol\_hand module

```
class opcua.ua.uaprotocol_hand.Acknowledge
    Bases: object

    ua_types = [('ProtocolVersion', 'UInt32'), ('ReceiveBufferSize', 'UInt32'), ('SendBuff

class opcua.ua.uaprotocol_hand.Argument
    Bases: opcua.ua.uaprotocol_auto.Argument

class opcua.ua.uaprotocol_hand.AsymmetricAlgorithmHeader
    Bases: object

    ua_types = [('SecurityPolicyURI', 'String'), ('SenderCertificate', 'ByteString'), ('Re

class opcua.ua.uaprotocol_hand.ChunkType
    Bases: object

    Abort = b'A'

    Intermediate = b'C'

    Invalid = b'0'

    Single = b'F'

class opcua.ua.uaprotocol_hand.CryptographyNone
    Bases: object

    Base class for symmetric/asymmetric cryptography

    decrypt (data)

    encrypt (data)

    encrypted_block_size ()
        Size of encrypted text block for block cipher.

    min_padding_size ()

    padding (size)
        Create padding for a block of given size. plain_size = size + len(padding) + signature_size() plain_size =
        N * plain_block_size()

    plain_block_size ()
        Size of plain text block for block cipher.

    remove_padding (data)

    signature (data)

    signature_size ()

    verify (data, signature)
        Verify signature and raise exception if signature is invalid
```



```

    vsignature_size()

class opcua.ua.uaprotocol_hand.DataTypeAttributes
    Bases: opcua.ua.uaprotocol_auto.DataTypeAttributes

class opcua.ua.uaprotocol_hand.ErrorMessage
    Bases: object

    ua_types = (('Error', 'StatusCode'), ('Reason', 'String'))

class opcua.ua.uaprotocol_hand.Header(msgType=None, chunkType=None, channelid=0)
    Bases: object

    add_size(size)

    static max_size()

class opcua.ua.uaprotocol_hand.Hello
    Bases: object

    ua_types = (('ProtocolVersion', 'UInt32'), ('ReceiveBufferSize', 'UInt32'), ('SendBuff

class opcua.ua.uaprotocol_hand.Message(chunks)
    Bases: object

    SecurityHeader()

    SequenceHeader()

    body()

    request_id()

class opcua.ua.uaprotocol_hand.MessageType
    Bases: object

    Acknowledge = b'ACK'

    Error = b'ERR'

    Hello = b'HEL'

    Invalid = b'INV'

    SecureClose = b'CLO'

    SecureMessage = b'MSG'

    SecureOpen = b'OPN'

class opcua.ua.uaprotocol_hand.MethodAttributes
    Bases: opcua.ua.uaprotocol_auto.MethodAttributes

class opcua.ua.uaprotocol_hand.ObjectAttributes
    Bases: opcua.ua.uaprotocol_auto.ObjectAttributes

class opcua.ua.uaprotocol_hand.ObjectTypeAttributes
    Bases: opcua.ua.uaprotocol_auto.ObjectTypeAttributes

class opcua.ua.uaprotocol_hand.ReferenceTypeAttributes
    Bases: opcua.ua.uaprotocol_auto.ReferenceTypeAttributes

class opcua.ua.uaprotocol_hand.SecurityPolicy
    Bases: object

    Base class for security policy

    URI = 'http://opcfoundation.org/UA/SecurityPolicy#None'

```

```
make_symmetric_key(a, b)
signature_key_size = 0
symmetric_key_size = 0
class opcua.ua.uaprotocol_hand.SecurityPolicyFactory(cls=<class
                                                    'opcua.ua.uaprotocol_hand.SecurityPolicy'>,
                                                    mode=<MessageSecurityMode.None_:
                                                    1>, certificate=None, private_key=None)
    Bases: object
    Helper class for creating server-side SecurityPolicy. Server has one certificate and private key, but needs a
    separate SecurityPolicy for every client and client's certificate
    create(peer_certificate)
    matches(uri, mode=None)
class opcua.ua.uaprotocol_hand.SequenceHeader
    Bases: object
    static max_size()
    ua_types = [('SequenceNumber', 'UInt32'), ('RequestId', 'UInt32')]
class opcua.ua.uaprotocol_hand.SymmetricAlgorithmHeader
    Bases: object
    static max_size()
    ua_types = [('TokenId', 'UInt32')]
class opcua.ua.uaprotocol_hand.VariableAttributes
    Bases: opcua.ua.uaprotocol_auto.VariableAttributes
class opcua.ua.uaprotocol_hand.VariableTypeAttributes
    Bases: opcua.ua.uaprotocol_auto.VariableTypeAttributes
class opcua.ua.uaprotocol_hand.ViewAttributes
    Bases: opcua.ua.uaprotocol_auto.ViewAttributes
class opcua.ua.uaprotocol_hand.XmlElement(xml="")
    Bases: object
    An XML element encoded as a UTF-8 string. :ivar Value: :vartype Value: String
    ua_types = [('Value', 'String')]
```

## opcua.ua.uatypes module

implement ua datatypes

```
class opcua.ua.uatypes.AccessLevel
    Bases: opcua.ua.uatypes._MaskEnum
    Bit index to indicate what the access level is.
    Spec Part 3, appears multiple times, e.g. paragraph 5.6.2 Variable NodeClass
    CurrentRead = 0
    CurrentWrite = 1
```

```

HistoryRead = 2
HistoryWrite = 3
SemanticChange = 4
StatusWrite = 5
TimestampWrite = 6

```

```

class opcua.ua.uaatypes.ByteStringNodeId(identifier, namespace=0)
    Bases: opcua.ua.uaatypes.NodeId

```

```

class opcua.ua.uaatypes.DataValue(variant=None, status=None)
    Bases: object

```

A value with an associated timestamp, and quality. Automatically generated from xml , copied and modified here to fix errors in xml spec

#### Variables

- **Value**(Variant) –
- **StatusCode**(StatusCode) –
- **SourceTimestamp**(datetime) –
- **SourcePicoSeconds**(int) –
- **ServerTimestamp**(datetime) –
- **ServerPicoSeconds**(int) –

```

ua_switches = {'ServerPicoSeconds': ('Encoding', 5), 'ServerTimestamp': ('Encoding',
ua_types = (('Encoding', 'Byte'), ('Value', 'Variant'), ('StatusCode', 'StatusCode'),

```

```

class opcua.ua.uaatypes.EventNotifier
    Bases: opcua.ua.uaatypes._MaskEnum

```

Bit index to indicate how a node can be used for events.

Spec Part 3, appears multiple times, e.g. Paragraph 5.4 View NodeClass

```

HistoryRead = 2
HistoryWrite = 3
SubscribeToEvents = 0

```

```

opcua.ua.uaatypes.ExpandedNodeId
    alias of opcua.ua.uaatypes.NodeId

```

```

class opcua.ua.uaatypes.ExtensionObject
    Bases: object

```

Any UA object packed as an ExtensionObject

#### Variables

- **TypeId**(NodeId) –
- **Body**(bytes) –

```

ua_switches = {'Body': ('Encoding', 0)}
ua_types = (('TypeId', 'NodeId'), ('Encoding', 'Byte'), ('Body', 'ByteString'))

```

```
class opcua.ua.uaatypes.FourByteNodeId (identifier, namespace=0)
    Bases: opcua.ua.uaatypes.NodeId

class opcua.ua.uaatypes.GuidNodeId (identifier, namespace=0)
    Bases: opcua.ua.uaatypes.NodeId

class opcua.ua.uaatypes.LocalizedText (text=None)
    Bases: object

    A string qualified with a namespace index.

    to_string()

    ua_switches = {'Locale': ('Encoding', 0), 'Text': ('Encoding', 1)}

    ua_types = (('Encoding', 'Byte'), ('Locale', 'String'), ('Text', 'String'))

class opcua.ua.uaatypes.NodeId (identifier=None, namespaceidx=0, nodeidtype=None)
    Bases: object

    NodeId Object

    Args: identifier: The identifier might be an int, a string, bytes or a Guid namespaceidx(int): The index of the
        namespace nodeidtype(NodeIdType): The type of the nodeid if it cannot be guess or you want something
        special like twobyte nodeid or fourbytenodeid

    Variables

        • Identifier (NodeId) –

        • NamespaceIndex (Int) –

        • NamespaceUri (String) –

        • ServerIndex (Int) –

    static from_string (string)

    has_null_identifier()

    is_null()

    to_binary()

    to_string()

class opcua.ua.uaatypes.NodeIdType
    Bases: enum.IntEnum

    An enumeration.

    ByteString = 5

    FourByte = 1

    Guid = 4

    Numeric = 2

    String = 3

    TwoByte = 0

class opcua.ua.uaatypes.NumericNodeId (identifier, namespace=0)
    Bases: opcua.ua.uaatypes.NodeId
```

```

class opcua.ua.uaatypes.QualifiedName (name=None, namespaceidx=0)
    Bases: object

    A string qualified with a namespace index.

    static from_string (string)

    to_string ()

    ua_types = [('NamespaceIndex', 'UInt16'), ('Name', 'String')]

class opcua.ua.uaatypes.SecurityPolicyType
    Bases: enum.Enum

    The supported types of SecurityPolicy.

    “None”      “Basic128Rsa15_Sign”      “Basic128Rsa15_SignAndEncrypt”      “Basic256_Sign”      “Ba-
    sic256_SignAndEncrypt”

    Basic128Rsa15_Sign = 1
    Basic128Rsa15_SignAndEncrypt = 2
    Basic256_Sign = 3
    Basic256_SignAndEncrypt = 4
    NoSecurity = 0

class opcua.ua.uaatypes.StatusCode (value=0)
    Bases: object

    Variables

    • value (int) –
    • name (string) –
    • doc (string) –

    check ()
        Raises an exception if the status code is anything else than 0 (good).

        Use the is_good() method if you do not want an exception.

    is_good ()
        return True if status is Good.

    ua_types = [('value', 'UInt32')]

class opcua.ua.uaatypes.StringNodeId (identifier, namespace=0)
    Bases: opcua.ua.uaatypes.NodeId

class opcua.ua.uaatypes.TwoByteNodeId (identifier)
    Bases: opcua.ua.uaatypes.NodeId

class opcua.ua.uaatypes.UTC
    Bases: datetime.tzinfo

    dst (dt)
        datetime -> DST offset in minutes east of UTC.

    tzname (dt)
        datetime -> string name of time zone.

    utcoffset (dt)
        datetime -> timedelta showing offset from UTC, negative values indicating West of UTC

```

```
class opcua.ua.uatypes.ValueRank
```

```
    Bases: enum.IntEnum
```

Defines dimensions of a variable. This enum does not support all cases since ValueRank support any  $n > 0$  but since it is an IntEnum it can be replace by a normal int

```
    Any = -2
```

```
    FourDimensions = 4
```

```
    OneDimension = 1
```

```
    OneOrMoreDimensions = 0
```

```
    Scalar = -1
```

```
    ScalarOrOneDimension = -3
```

```
    ThreeDimensions = 3
```

```
    TwoDimensions = 2
```

```
class opcua.ua.uatypes.Variant (value=None,          varianttype=None,          dimensions=None,
                                is_array=None)
```

```
    Bases: object
```

Create an OPC-UA Variant object. if no argument a Null Variant is created. if not variant type is given, attempts to guess type from python type if a variant is given as value, the new objects becomes a copy of the argument

#### Variables

- **Value** (Any supported type) –
- **VariantType** (VariantType) –
- **Dimension** –
- **is\_array** (If the variant is an array. Usually guessed from value.) –

```
    to_binary()
```

```
class opcua.ua.uatypes.VariantType
```

```
    Bases: enum.Enum
```

The possible types of a variant.

#### Variables

- **Null** –
- **Boolean** –
- **SByte** –
- **Byte** –
- **Int16** –
- **UInt16** –
- **Int32** –
- **UInt32** –
- **Int64** –
- **UInt64** –
- **Float** –

- *Double* –
- *String* –
- *DateTime* –
- *Guid* –
- *ByteString* –
- *XmlElement* –
- *NodeId* –
- *ExpandedNodeId* –
- *StatusCode* –
- *QualifiedName* –
- *LocalizedText* –
- *ExtensionObject* –
- *DataValue* –
- *Variant* –
- *DiagnosticInfo* –

```
Boolean = 1
Byte = 3
ByteString = 15
DataValue = 23
DateTime = 13
DiagnosticInfo = 25
Double = 11
ExpandedNodeId = 18
ExtensionObject = 22
Float = 10
Guid = 14
Int16 = 4
Int32 = 6
Int64 = 8
LocalizedText = 21
NodeId = 17
Null = 0
QualifiedName = 20
SByte = 2
StatusCode = 19
String = 12
```

**UInt16** = 5

**UInt32** = 7

**UInt64** = 9

**Variant** = 24

**XmlElement** = 16

**class** opcua.ua.uaatypes.**VariantTypeCustom**(val)

Bases: object

Looks like sometime we get variant with other values than those defined in VariantType. FIXME: We should not need this class, as far as I understand the spec variants can only be of VariantType

**class** opcua.ua.uaatypes.**WriteMask**

Bases: opcua.ua.uaatypes.\_MaskEnum

Bit index to indicate which attribute of a node is writable

Spec Part 3, Paragraph 5.2.7 WriteMask

**AccessLevel** = 0

**ArrayDimensions** = 1

**BrowseName** = 2

**ContainsNoLoops** = 3

**DataType** = 4

**Description** = 5

**DisplayName** = 6

**EventNotifier** = 7

**Executable** = 8

**Historizing** = 9

**InverseName** = 10

**IsAbstract** = 11

**MinimumSamplingInterval** = 12

**NodeClass** = 13

**NodeId** = 14

**Symmetric** = 15

**UserAccessLevel** = 16

**UserExecutable** = 17

**UserWriteMask** = 18

**ValueForVariableType** = 21

**ValueRank** = 19

**WriteMask** = 20



`opcua.ua.uaatypes.datatype_to_varianttype(int_type)`

Takes a NodeId or int and return a VariantType This is only supported if `int_type < 63` due to VariantType encoding At low level we do not have access to address space thus decoding is limited a better version of this method can be find in `ua_utils.py`

`opcua.ua.uaatypes.datetime_to_win_epoch(dt)`

`opcua.ua.uaatypes.flatten(mylist)`

`opcua.ua.uaatypes.flatten_and_get_shape(mylist)`

`opcua.ua.uaatypes.get_default_value(vtype)`

Given a variant type return default value for this type

`opcua.ua.uaatypes.get_extensionobject_class_type(typeid)`

Returns the registered class type for typeid of an extension object

`opcua.ua.uaatypes.get_shape(mylist)`

`opcua.ua.uaatypes.get_win_epoch()`

`opcua.ua.uaatypes.register_extension_object(name, nodeid, class_type)`

Register a new extension object for automatic decoding and make them available in ua module

`opcua.ua.uaatypes.win_epoch_to_datetime(epoch)`

## Module contents

## 5.2 Submodules

## 5.3 opcua.tools module

**class** `opcua.tools.SubHandler`

Bases: `object`

**datachange\_notification** (*node, val, data*)

**event\_notification** (*event*)

`opcua.tools.add_common_args(parser, default_node='i=84', require_node=False)`

`opcua.tools.add_minimum_args(parser)`

`opcua.tools.application_to_strings(app)`

`opcua.tools.cert_to_string(der)`

`opcua.tools.embed()`

`opcua.tools.endpoint_to_strings(ep)`

`opcua.tools.get_node(client, args)`

`opcua.tools.parse_args(parser, requirenodeid=False)`

`opcua.tools.print_history(o)`

`opcua.tools.str_to_datetime(s, default=None)`

`opcua.tools.uacall()`

`opcua.tools.uaclient()`

`opcua.tools.uadiscover()`

```
opcua.tools.uageneratestructs()  
opcua.tools.uahistoryread()  
opcua.tools.uais()  
opcua.tools.uaread()  
opcua.tools.uaserver()  
opcua.tools.uasubscribe()  
opcua.tools.uawrite()
```

## 5.4 Module contents

Pure Python OPC-UA library

All:

- modules

## CHAPTER 6

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