

OpcHistoryConfigurationNode Class

Namespace: Opc.UaFx

Assemblies: Opc.UaFx.Advanced.dll

Defines the general characteristics of a node that defines the historical configuration of any historical data node that is defined to contain history.

C#

```
public class OpcHistoryConfigurationNode : OpcObjectNode, IOpcNode, IOpcNodeInfo
```

Inheritance [Object](#) > [OpcNode](#) > [OpcInstanceNode](#) > [OpcObjectNode](#) > [OpcHistoryConfigurationNode](#)

Implements [IOpcNode](#), [IOpcNodeInfo](#)

Constructors

Name	Description
OpcHistoryConfigurationNode	Initializes a new instance of the OpcHistoryConfigurationNode class.
OpcHistoryConfigurationNode(IOpcNode)	Initializes a new instance of the OpcHistoryConfigurationNode class as a child node of the parent node given.
OpcHistoryConfigurationNode(IOpcNode, OpcName)	Initializes a new instance of the OpcHistoryConfigurationNode class accessible by the name specified as a child node of the parent node given.
OpcHistoryConfigurationNode(IOpcNode, OpcName, OpcNodeId)	Initializes a new instance of the OpcHistoryConfigurationNode class accessible by the name and id specified as a child node of the parent node given.
OpcHistoryConfigurationNode(OpcName)	Initializes a new instance of the OpcHistoryConfigurationNode class accessible by the name specified.
OpcHistoryConfigurationNode(OpcName, OpcNodeId)	Initializes a new instance of the OpcHistoryConfigurationNode class accessible by the name and id specified.

Events

Name	Description
AfterApplyChanges	Occurs after one or more changes on the node has been notified. (Inherited from OpcNode)
BeforeApplyChanges	Occurs before one or more changes on the node are notified. (Inherited from OpcNode)

Properties

Name	Description
AggregateConfiguration	Gets the node used as the browse entry point for information on how the server treats aggregate specific functionality such as handling uncertain data.
AggregateFunctions	Gets the node used as an entry point to browse to all aggregate capabilities supported by the server for historical access.
Category	Gets the NodeCategoryOpcAttribute which identifies the kind of node and is therefore used to classify the node regarding its use and purpose. (Inherited from OpcNode)
DefaultReferenceTypeId	Gets the default identifier which identifies the type that defines the underlying node reference within this OpcInstanceNode is referenced by its parent node. (Inherited from OpcInstanceNode)
DefaultReferenceTypeId	Gets the default identifier which identifies the type that defines the underlying node reference within this OpcInstanceNode is referenced by its parent node. (Inherited from OpcObjectNode)
DefaultTypeDefinitionId	Gets the default identifier which identifies the node that defines the underlying node type from that this OpcInstanceNode has been created.
DefaultTypeDefinitionId	Gets the default identifier which identifies the node that defines the underlying node type from that this OpcInstanceNode has been created. (Inherited from OpcInstanceNode)
DefaultTypeDefinitionId	Gets the default identifier which identifies the node that defines the underlying node type from that this OpcInstanceNode has been created. (Inherited from OpcObjectNode)
Definition	Gets or sets is a vendor-specific, human readable string that specifies how the value of this historical data node is calculated.
DefinitionNode	Gets the OpcPropertyNode`1 of the Definition property.
Description	Gets or sets the value of the optional DescriptionOpcAttribute which shall explain the meaning of the node. (Inherited from OpcNode)
Descriptions	Gets the OpcNodeGlobalization instance used to control the localization and other globalization related tasks for the Description attribute of the current node. (Inherited from OpcNode)
DisplayName	Gets or sets the value of the DisplayNameOpcAttribute which defines the localizable name of the node. (Inherited from OpcNode)
DisplayNames	Gets the OpcNodeGlobalization instance used to control the localization and other globalization related tasks for the DisplayName attribute of the current node. (Inherited from OpcNode)
ExceptionDeviation	Gets or sets a value which specifies the minimum amount that the data for the historical data node must change in order for the change to be reported to the history database.
ExceptionDeviationFormat	Gets or sets the format how the ExceptionDeviation is determined.
ExceptionDeviationFormatNode	Gets the OpcPropertyNode`1 of the ExceptionDeviationFormat property.
ExceptionDeviationNode	Gets the OpcPropertyNode`1 of the ExceptionDeviation property.
HasPendingChanges	Gets a value indicating whether there exists any pending change on the node. (Inherited from OpcNode)

Name	Description
Id	Gets the value of the NodeIdOpcAttribute which unambiguously identifies the node. (Inherited from OpcNode)
MaxTimeInterval	Gets or sets which specifies the maximum interval between data points in the history repository regardless of their value change.
MaxTimeIntervalNode	Gets the OpcPropertyNode`1 of the MaxTimeInterval property.
MinTimeInterval	Gets or sets which specifies the minimum interval between data points in the history repository regardless of their value change.
MinTimeIntervalNode	Gets the OpcPropertyNode`1 of the MinTimeInterval property.
ModellingRuleId	Gets or sets the identifier which defines how the OpcInstanceNode is used for instantiation. (Inherited from OpcInstanceNode)
Name	Gets or sets the value of the BrowseNameOpcAttribute which defines the non-localizable human-readable name used when browsing the address space. (Inherited from OpcNode)
Namespace	(Inherited from OpcNode)
Parent	Gets the parent node of the node. (Inherited from OpcNode)
Parent	Gets the parent node of the node. (Inherited from OpcInstanceNode)
PendingChanges	Gets a value indicating the most recent changes performed on the node since their last notification. (Inherited from OpcNode)
QueryEventsCallback	Gets or sets a callback used to query any event information which belongs to the node. (Inherited from OpcNode)
ReadDescriptionCallback	(Inherited from OpcNode)
ReadDisplayNameCallback	(Inherited from OpcNode)
ReadUserWriteAccessCallback	(Inherited from OpcNode)
ReadWriteAccessCallback	(Inherited from OpcNode)
ReferenceType	Gets a value which defines a pre-defined used ReferenceTypeId as one of the members defined by the OpcReferenceType enumeration to simplify querying standard reference types. (Inherited from OpcInstanceNode)
ReferenceTypeId	Gets or sets the identifier which identifies the node that defines the semantic of the reference between a source and a target node and generally reflects an operation between the two, such as "A contains B". (Inherited from OpcInstanceNode)
StartOfArchive	Gets or sets a value which specifies the date before which there is no data in the archive either online or offline.
StartOfArchiveNode	Gets the OpcPropertyNode`1 of the StartOfArchive property.
StartOfOnlineArchive	Gets or sets a value which specifies the date of the earliest data in the online archive.
StartOfOnlineArchiveNode	Gets the OpcPropertyNode`1 of the StartOfOnlineArchive property.
Stepped	Gets or sets a value indicating whether the historical data was collected in such a manner that it should be displayed as sloped interpolation (sloped line between points) or as stepped interpolation (vertically-connected horizontal lines between points) when raw data is examined.
SteppedNode	Gets the OpcPropertyNode`1 of the Stepped property.
SymbolicName	(Inherited from OpcNode)

Name	Description
Tag	Gets or sets the object that contains additional user data about the node. (Inherited from OpcNode)
TypeDefinitionId	Gets or sets the identifier which identifies the node that defines the underlying node type from that this OpcInstanceNode has been created. (Inherited from OpcInstanceNode)
UserWriteAccess	Gets or sets the value of the optional UserWriteAccessOpcAttribute which exposes the possibilities of a client to write the attributes of the node taking user access rights into account. (Inherited from OpcNode)
WriteAccess	Gets or sets the value of the optional WriteAccessOpcAttribute which exposes the possibilities of a client to write the attributes of the node. (Inherited from OpcNode)
WriteDescriptionCallback	(Inherited from OpcNode)
WriteDisplayNameCallback	(Inherited from OpcNode)
WriteUserWriteAccessCallback	(Inherited from OpcNode)
WriteWriteAccessCallback	(Inherited from OpcNode)

Methods

Name	Description
AddChild(OpcContext, OpcInstanceNode)	(Inherited from OpcInstanceNode)
AddNotifier(OpcContext, IOpcNode)	(Inherited from OpcNode)
AddNotifier(OpcContext, IOpcNode)	(Inherited from OpcObjectNode)
ApplyChanges(OpcContext)	Notifies about changes performed on the node since the last notification and resets the pending changes to None . (Inherited from OpcNode)
ApplyChanges(OpcContext, Boolean)	Notifies about changes performed on the node (and optionally on its children) since the last notification and resets the pending changes to None . (Inherited from OpcNode)
AttributeValue(OpcAttribute)	Retrieves the value of the attribute specified. (Inherited from OpcNode)
AttributeValue`1(OpcAttribute)	Retrieves the value of the attribute specified. (Inherited from OpcNode)
Child(OpcContext, OpcName)	Retrieves the child node its Name property matches exactly the name specified. (Inherited from OpcNode)
Children(OpcContext)	Retrieves a sequence of all nodes organized as children of this node. (Inherited from OpcNode)
InitializeDefaults	Initializes the default values used by the OpcHistoryConfigurationNode .
InitializeDefaults	Initializes the default values used by the node implementation represented / required. (Inherited from OpcNode)

Name	Description
InitializeDefaults	Initializes the default values used by the OpcInstanceNode . (Inherited from OpcInstanceNode)
IsChangePending(OpcNodeChanges)	(Inherited from OpcNode)
OnAfterApplyChanges(OpcNodeChangesEventArgs)	Raises the AfterApplyChanges event using the event data specified. (Inherited from OpcNode)
OnBeforeApplyChanges(OpcNodeChangesEventArgs)	Raises the BeforeApplyChanges event using the event data specified. (Inherited from OpcNode)
QueryEventsCore(OpcNodeContext, OpcEventCollection)	(Inherited from OpcNode)
ReadAttributeValueCore`1(OpcReadAttributeValueContext, OpcAttributeValue)	(Inherited from OpcNode)
RemoveChild(OpcContext, OpcInstanceNode)	(Inherited from OpcInstanceNode)
RemoveNotifier(OpcContext, IOpcNode)	(Inherited from OpcNode)
RemoveNotifier(OpcContext, IOpcNode)	(Inherited from OpcInstanceNode)
RemoveNotifier(OpcContext, IOpcNode)	(Inherited from OpcObjectNode)
ReportEvent(OpcContext, OpcEvent)	(Inherited from OpcNode)
UpdateChanges(OpcContext, OpcNodeChanges)	Notifies about the changes on behalf of the node and removes pending changes which intersect with the changes specified. (Inherited from OpcNode)
UpdateChanges(OpcContext, OpcNodeChanges, Boolean)	Notifies about the changes on behalf of the node (and optionally on its children) and removes pending changes which intersect with the changes specified. (Inherited from OpcNode)
WriteAttributeValueCore`1(OpcWriteAttributeValueContext, OpcAttributeValue)	(Inherited from OpcNode)

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