

OpcReferenceTypes Members

Namespace: Opc.UaFx

Assemblies: Opc.UaFx.Advanced.dll, Opc.UaFx.Advanced.dll

The [OpcReferenceTypes](#) type exposes the following members.

Fields

Aggregates

Provides the identifier used by references representing the reference type [Aggregates](#).

C#

```
public static readonly OpcNodeId Aggregates
```

Field Value

[OpcNodeId](#)

AlwaysGeneratesEvent

Provides the identifier used by references representing the reference type [AlwaysGeneratesEvent](#).

C#

```
public static readonly OpcNodeId AlwaysGeneratesEvent
```

Field Value

[OpcNodeId](#)

FromState

Provides the identifier used by references representing the reference type [FromState](#).

C#

```
public static readonly OpcNodeId FromState
```

Field Value

[OpcNodeId](#)

GeneratesEvent

Provides the identifier used by references representing the reference type [GeneratesEvent](#).

C#

```
public static readonly OpcNodeId GeneratesEvent
```

Field Value

OpcNodeId

HasCause

Provides the identifier used by references representing the reference type [HasCause](#).

C#

```
public static readonly OpcNodeId HasCause
```

Field Value

OpcNodeId

HasChild

Provides the identifier used by references representing the reference type [HasChild](#).

C#

```
public static readonly OpcNodeId HasChild
```

Field Value

OpcNodeId

HasComponent

Provides the identifier used by references representing the reference type [HasComponent](#).

C#

```
public static readonly OpcNodeId HasComponent
```

Field Value

OpcNodeId

HasCondition

Provides the identifier used by references representing the reference type [HasCondition](#).

C#

```
public static readonly OpcNodeId HasCondition
```

Field Value[OpcNodeId](#)

HasDescription

Provides the identifier used by references representing the reference type [HasDescription](#).

C#

```
public static readonly OpcNodeId HasDescription
```

Field Value[OpcNodeId](#)

HasEffect

Provides the identifier used by references representing the reference type [HasEffect](#).

C#

```
public static readonly OpcNodeId HasEffect
```

Field Value[OpcNodeId](#)

HasEncoding

Provides the identifier used by references representing the reference type [HasEncoding](#).

C#

```
public static readonly OpcNodeId HasEncoding
```

Field Value[OpcNodeId](#)

HasEventSource

Provides the identifier used by references representing the reference type [HasEventSource](#).

C#

```
public static readonly OpcNodeId HasEventSource
```

Field Value[OpcNodeId](#)

HasFalseSubState

Provides the identifier used by references representing the reference type [HasFalseSubState](#).

C#

```
public static readonly OpcNodeId HasFalseSubState
```

Field Value

[OpcNodeId](#)

HasHistoricalConfiguration

Provides the identifier used by references representing the reference type [HasHistoricalConfiguration](#).

C#

```
public static readonly OpcNodeId HasHistoricalConfiguration
```

Field Value

[OpcNodeId](#)

HasModellingRule

Provides the identifier used by references representing the reference type [HasModellingRule](#).

C#

```
public static readonly OpcNodeId HasModellingRule
```

Field Value

[OpcNodeId](#)

HasNotifier

Provides the identifier used by references representing the reference type [HasNotifier](#).

C#

```
public static readonly OpcNodeId HasNotifier
```

Field Value

[OpcNodeId](#)

HasOrderedComponent

Provides the identifier used by references representing the reference type [HasOrderedComponent](#).

C#

```
public static readonly OpcNodeId HasOrderedComponent
```

Field Value[OpcNodeId](#)

HasProperty

Provides the identifier used by references representing the reference type [HasProperty](#).

C#

```
public static readonly OpcNodeId HasProperty
```

Field Value[OpcNodeId](#)

HasSubStateMachine

Provides the identifier used by references representing the reference type [HasSubStateMachine](#).

C#

```
public static readonly OpcNodeId HasSubStateMachine
```

Field Value[OpcNodeId](#)

HasSubtype

Provides the identifier used by references representing the reference type [HasSubtype](#).

C#

```
public static readonly OpcNodeId HasSubtype
```

Field Value[OpcNodeId](#)

HasTrueSubState

Provides the identifier used by references representing the reference type [HasTrueSubState](#).

C#

```
public static readonly OpcNodeId HasTrueSubState
```

Field Value[OpcNodeId](#)

HasTypeDefinition

Provides the identifier used by references representing the reference type [HasTypeDefinition](#).

C#

```
public static readonly OpcNodeId HasTypeDefinition
```

Field Value[OpcNodeId](#)

HierarchicalReferences

Provides the identifier used by references representing the reference type [HierarchicalReferences](#).

C#

```
public static readonly OpcNodeId HierarchicalReferences
```

Field Value[OpcNodeId](#)

NonHierarchicalReferences

Provides the identifier used by references representing the reference type [NonHierarchicalReferences](#).

C#

```
public static readonly OpcNodeId NonHierarchicalReferences
```

Field Value[OpcNodeId](#)

Organizes

Provides the identifier used by references representing the reference type [Organizes](#).

C#

```
public static readonly OpcNodeId Organizes
```

Field Value[OpcNodeId](#)

References

Provides the identifier used by references representing the reference type [References](#).

C#

```
public static readonly OpcNodeId References
```

Field Value

[OpcNodeId](#)

ToState

Provides the identifier used by references representing the reference type [ToState](#).

C#

```
public static readonly OpcNodeId ToState
```

Field Value

[OpcNodeId](#)

Methods

GetNodeId(OpcReferenceType)

Retrieves the according [OpcNodeId](#) for the type of reference defined by the [OpcReferenceType](#) specified by **type**.

C#

```
public static OpcNodeId GetNodeId(OpcReferenceType type)
```

Parameters

type [OpcReferenceType](#)

The [OpcReferenceType](#) value from which the according [OpcNodeId](#) of the reference type is to be determined.

Returns

[OpcNodeId](#)

The [OpcNodeId](#) of the reference type the **type** refer to or a null reference (Nothing in Visual Basic) if the **type** is not a foundation defined reference type.

GetReferenceType(OpcName)

Retrieves the according [OpcReferenceType](#) enumeration member for the **name** used by a specified type of reference.

C#

```
public static OpcReferenceType? GetReferenceType(OpcName name)
```

Parameters

name [OpcName](#)

The [OpcName](#) indicating the [BrowseName](#) of the type of reference to resolve.

Returns

[Nullable<OpcReferenceType>](#)

One of the members defined by the [OpcReferenceType](#) enumeration which represents the type name specified or a null reference (Nothing in Visual basic) if the specified type of reference can't be determined.

GetReferenceType(OpcNodeId)

Retrieves the according [OpcReferenceType](#) enumeration member for the **nodeId** used by a specified type of reference.

C#

```
public static OpcReferenceType? GetReferenceType(OpcNodeId nodeId)
```

Parameters

nodeId [OpcNodeId](#)

The identifier of the type of reference used by an instance node (see 'Opc.UaFx.OpcInstanceNode.ReferenceType').

Returns

[Nullable<OpcReferenceType>](#)

One of the members defined by the [OpcReferenceType](#) enumeration which represents the type identifier specified or a null reference (Nothing in Visual Basic) if the specific type of reference can't be determined.

GetReferenceTypeName(OpcNodeId)

Retrieves the according [OpcName](#) indicating the [BrowseName](#) of the type of reference identified by **nodeId**.

C#

```
public static OpcName GetReferenceTypeName(OpcNodeId nodeId)
```

Parameters

nodeId [OpcNodeId](#)

The identifier of the type of reference.

Returns

[OpcName](#)

The [OpcName](#) of the type of reference identified by **nodeId** or a null reference (Nothing in Visual Basic) if the specific type of reference can't be determined.

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