# OpcDataTypeNode Members

**Namespace:** Opc.UaFx
**Assemblies:** Opc.UaFx.Advanced.dll, Opc.UaFx.Advanced.dll
The OpcDataTypeNode type exposes the following members.

# Constructors

## OpcDataTypeNode(OpcNodeId, OpcName)

Initializes a new instance of the OpcDataTypeNode class accessible by the `name` and `id` specified.

**C#**

```
protected OpcDataTypeNode(OpcNodeId id, OpcName name)
```

**Parameters**

`id` OpcNodeId

The OpcNodeId through that the new data type node can be identified and accessed.

`name` OpcName

The OpcName through that the new data type node can be accessed.

# Properties

## TypeInfo

**C#**

```
public virtual OpcDataTypeInfo TypeInfo { get; }
```

**Property Value**

OpcDataTypeInfo

# Methods

## Create(Type)

Creates a new OpcDataTypeNode used to represent the type specified by `dataType`.

**C#**

```
public static OpcDataTypeNode Create(Type dataType)
```

#### Parameters

`dataType` Type

The type of data to represent.

#### Returns

OpcDataTypeNode

A new instance of the OpcDataTypeNode initialized with defaults determined by the global data type system and the `dataType` specified.

#### Exceptions

ArgumentNullException

The `dataType` is a null reference (Nothing in Visual Basic).

ArgumentException

The `dataType` specified is not a supported data type.

## Create(Type, OpcNodeId)

Creates a new OpcDataTypeNode used to represent the type specified by `dataType` which can be identified by the `id`.

#### C#

```
public static OpcDataTypeNode Create(Type dataType, OpcNodeId id)
```

#### Parameters

`dataType` Type

The type of data to represent.

`id` OpcNodeId

The OpcNodeId through that the new data type node can be identified and accessed.

#### Returns

OpcDataTypeNode

A new instance of the OpcDataTypeNode initialized with defaults determined by the global data type system and the `dataType` repecting the `id` specified.

**Exceptions**

ArgumentException

The `dataType` specified is not a supported data type.

ArgumentNullException

The `dataType` is a null reference (Nothing in Visual Basic).

# Create(Type, OpcNodeId, OpcName)

Creates a new OpcDataTypeNode used to represent the type specified by `dataType` which can be identified by the `id` and `name`.

**C#**

```
public static OpcDataTypeNode Create(Type dataType, OpcNodeId id, OpcName name)
```

**Parameters**

`dataType` Type

The type of data to represent.

`id` OpcNodeId

The OpcNodeId through that the new data type node can be identified and accessed.

`name` OpcName

The OpcName through that the new data type node can be accessed.

**Returns**

OpcDataTypeNode

A new instance of the OpcDataTypeNode initialized with defaults determined by the global data type system and the `dataType` repecting the `id` and `name` specified.

**Exceptions**

ArgumentException

The `dataType` specified is not a supported data type.

ArgumentNullException

The `dataType` is a null reference (Nothing in Visual Basic).

# Create<T>()

Creates a new OpcDataTypeNode used to represent the type specified by `T`.

**C#**

```
public static OpcDataTypeNode Create<T>()
```

**Returns**

OpcDataTypeNode

A new instance of the OpcDataTypeNode initialized with defaults determined by the global data type system and the `T` specified.

**Exceptions**

ArgumentException

The `T` is not a supported data type.

# Create<T>(OpcNodeId)

Creates a new OpcDataTypeNode used to represent the type specified by `T` which can be identified by the `id`.

**C#**

```
public static OpcDataTypeNode Create<T>(OpcNodeId id)
```

**Parameters**

`id` OpcNodeId

The OpcNodeId through that the new data type node can be identified and accessed.

**Returns**

OpcDataTypeNode

A new instance of the OpcDataTypeNode initialized with defaults determined by the global data type system and the `T` repecting the `id` specified.

**Exceptions**

ArgumentException

The `T` is not a supported data type.

# Create<T>(OpcNodeId, OpcName)

Creates a new OpcDataTypeNode used to represent the type specified by `T` which can be identified by the `id` and `name`.

**C#**

```
public static OpcDataTypeNode Create<T>(OpcNodeId id, OpcName name)
```

### Parameters

`id` OpcNodeId

The OpcNodeId through that the new data type node can be identified and accessed.

`name` OpcName

The OpcName through that the new data type node can be accessed.

### Returns

OpcDataTypeNode

A new instance of the OpcDataTypeNode initialized with defaults determined by the global data type system and the `T` repecting the `id` and `name` specified.

### Exceptions

ArgumentException

The `T` is not a supported data type.

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