

OpcCollection<TItem, TItemContent, TItemContentList> Class

Namespace: Opc.UaFx

Assemblies: Opc.UaFx.Advanced.dll

Provides an abstract generic base class for [IOpcContainer`1](#) items their content is maintained in a different list which is to be used as the content of the collection like [TItem](#) uses the [TItemContent](#) instances in [TItemContentList](#).

C#

```
public abstract class OpcCollection<TItem, TItemContent, TItemContentList> :  
Collection<TItem>, IList<TItem>, ICollection<TItem>, IList, ICollection,  
IReadOnlyList<TItem>, IReadOnlyCollection<TItem>, IEnumerable<TItem>, IEnumerable,  
IList<TItemContent>, new()
```

Inheritance [Object](#) > [Collection<m>](#) > OpcCollection<TItem, TItemContent, TItemContentList>

Derived

- [OpcArgumentCollection](#)
- [OpcNameCollection](#)
- [OpcReferenceCollection](#)
- [OpcReferenceDescriptionCollection](#)
- [OpcResultCollection`3](#)
- [OpcStatusCollection](#)
- [OpcLocalReferenceCollection](#)

Implements [IList<m>](#), [ICollection<m>](#), [IList](#), [ICollection](#), [IReadOnlyList<m>](#), [IReadOnlyCollection<m>](#), [IEnumerable<m>](#), [IEnumerable](#)

Constructors

Name	Description
OpcCollection`3	Initializes a new instance of the OpcCollection`3 class.
OpcCollection`3(IList)	Initializes a new instance of the OpcCollection`3 class as a wrapper for the specified list .

Methods

Name	Description
ClearItems	Removes all elements from the OpcCollection`3 .
InsertItem(Int32,)	Inserts an element into the OpcCollection`3 at the specified index.
RemoveItem(Int32)	Removes the element at the specified index of the OpcCollection`3 .
SetItem(Int32,)	Replaces the element at the specified index.

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