



WiX managed SDK

WixToolset.Dtf.Resources namespace

ResourceCollection Class

ResourceCollection Class

Allows reading and editing of resource data in a Win32 PE file.

Methods

Method	Description
<code>Add(item)</code>	Adds a new item to the collection.
<code>Clear()</code>	Removes all resources from the collection.
<code>Contains(item)</code>	Tests if the collection contains an item.
<code>CopyTo(array, arrayIndex)</code>	Copies the collection into an array.
<code>Find(resFile)</code>	Locates all resources in a file, including all resource types and languages. For each located resource, a «see T:WixToolset.Dtf.Resources.Resource» instance (or subclass) is added to the collection.
<code>Find(resFile, type)</code>	Locates all resources in a file of a given type, including all languages. For each located resource, a «see T:WixToolset.Dtf.Resources.Resource» instance (or subclass) is added to the collection.

Method	Description
<code>Find(resFile, type, name)</code>	Locates all resources in a file of a given type and language. For each located resource, a «see T:WixToolset.Dtf.Resources.Resource» instance (or subclass) is added to the collection.
<code>GetEnumerator()</code>	Gets an enumerator over all resources in the collection.
<code>IndexOf(item)</code>	Gets the index of an item in the collection.
<code>Insert(index, item)</code>	Inserts a item into the collection.
<code>Load(file)</code>	For all resources in the collection, loads their data from a resource file.
<code>Remove(item)</code>	Removes an item to the collection.
<code>Save(file)</code>	For all resources in the collection, saves their data to a resource file.

Properties

Property	Description
<code>Count</code>	Gets the number of resources in the collection.
<code>Item</code>	Gets or sets the element at the specified index.

Remarks

To use this class:

- Create a new ResourceCollection
- Locate resources for the collection by calling one of the «see M:WixToolset.Dtf.Resources.ResourceCollection.Find(System.String)» methods
- Load data of one or more «see T:WixToolset.Dtf.Resources.Resource» s from a file by calling the «see M:WixToolset.Dtf.Resources.ResourceCollection.Load(System.String)» method of the Resource class, or load them all at once (more efficient) with the «see M:WixToolset.Dtf.Resources.ResourceCollection.Load(System.String)» method of the ResourceCollection.
- Read and/or edit data of the individual Resource objects using the methods on that class.
- Save data of one or more «see T:WixToolset.Dtf.Resources.Resource» s to a file by calling the «see M:WixToolset.Dtf.Resources.ResourceCollection.Save(System.String)» method of the Resource class, or save them all at once (more efficient) with the «see M:WixToolset.Dtf.Resources.ResourceCollection.Save(System.String)» method of the ResourceCollection.

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Add(item) Method

Adds a new item to the collection.

Declaration

```
public void Add(  
    Resource item  
)
```

item	Resource	The Resource to add.
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Clear() Method

Removes all resources from the collection.

Declaration

```
public void Clear()
```

Contains(item) Method

Tests if the collection contains an item.

Declaration

Parameters

```
public bool Contains(  
    Resource item  
)
```

Return value

`bool` true if the item is found; false otherwise

CopyTo(array, arrayIndex) Method

Copies the collection into an array.

Declaration

```
public void CopyTo(  
    Resource[] array,  
    int arrayIndex  
)
```

Parameters

Parameter	Type	Description
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Parameter	Type	Description
array	Resource[]	The array to copy into.
arrayIndex	int	The starting index in the destination array.

Find(resFile) Method

Locates all resources in a file, including all resource types and languages. For each located resource, a «see T:WixToolset.Dtf.Resources.Resource» instance (or subclass) is added to the collection.

Declaration

```
public void Find(  
    string resFile  
)
```

Parameters

Parameter	Type	Description
resFile	string	The file to be searched for resources.

Exceptions

Exception	Description
T:System.IO.IOException	resources could not be read from the file

Find(resFile, type) Method

Locates all resources in a file of a given type, including all languages. For each located resource, a «see T:WixToolset.Dtf.Resources.Resource» instance (or subclass) is added to the collection.

Declaration

```
public void Find(  
    string resFile,  
    ResourceType type  
)
```

Parameters

Parameter	Type	Description
resFile	string	The file to be searched for resources.

Parameter	Type	Description
type	ResourceType	The type of resource to search for; may be one of the ResourceType constants or a user-defined type.

Exceptions

Exception	Description
T:System.IO.IOException	resources could not be read from the file

Find(resFile, type, name) Method

Locates all resources in a file of a given type and language. For each located resource, a «see T:WixToolset.Dtf.Resources.Resource» instance (or subclass) is added to the collection.

Declaration

```
public void Find(  
    string resFile,  
    ResourceType type,  
    string name  
)
```


Parameters

Parameter	Type	Description
resFile	string	The file to be searched for resources.
type	ResourceType	The type of resource to search for; may be one of the ResourceType constants or a user-defined type.
name	string	The name of the resource to search for.

Exceptions

Exception	Description
T:System.IO.IOException	resources could not be read from the file

GetEnumerator() Method

Gets an enumerator over all resources in the collection.

Declaration

```
public IEnumerator<WixToolset.Dtf.Resources.Resource> GetEnumerator()
```

Gets the index of an item in the collection.

Declaration

```
public int IndexOf(  
    Resource item  
)
```

Parameters

Parameter	Type	Description
item	Resource	The Resource to search for.

Return value

`int` The index of the item, or -1 if not found.

Insert(index, item) Method

Inserts a item into the collection.

Declaration

```
public void Insert(  
    int index,  
    Resource item  
)
```

Parameters

Parameter	Type	Description
index	int	The insertion index.
item	Resource	The Resource to insert.

Load(file) Method

For all resources in the collection, loads their data from a resource file.

Declaration

```
public void Load(  
    string file  
)
```

Parameters

Parameter	Type	Description
file	string	The file from which resources are loaded.

Remove(item) Method

Removes an item to the collection.

Declaration

```
public bool Remove(  
    Resource item  
)
```

Parameters

Parameter	Type	Description
item	Resource	The Resource to remove.

Save(file) Method

For all resources in the collection, saves their data to a resource file.

Declaration

```
public void Save(  
    string file  
)
```

Parameters

Parameter	Type	Description
file	string	The file to which resources are saved.

Count Property

Gets the number of resources in the collection.

Declaration

```
public int Count { get; set; }
```

Item Property

Gets or sets the element at the specified index.

Declaration

```
public Resource Item { get; set; }
```