

Namespace AkiraNetwork.VirtualStorage Library

▼ Filter by title

Classes

- **AkiraNetwork.VirtualStorage**

Library

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector.html)

ActionNodeDelegate in virtual symbolic links. Determines if a given link is part of a cycle.
(AkiraNetwork.VirtualStorageLibrary)

IVirtualDeepCloneable<T>

VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)

1.html) Represents a virtual directory. A virtual directory functions as a container for other nodes. It can contain Virtual Item<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html), VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html), and VirtualSymbolicLink

NotifyNodeDelegate

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html), providing a centralized way to manage these entities.
(AkiraNetwork.VirtualStorageLibrary)

PatternMatch

This class supports operations such as adding, removing, updating, checking the existence of, and enumerating nodes within the directory. It serves as a fundamental component for efficiently managing the structure of the virtual storage.

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory

Additionally, nodes can be enumerated according to the specified display conditions.

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectoryAdapter<T>

VirtualDirectoryAdapter<T>

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter-1.html)

VirtualException

Adapter class to simplify operations on virtual directories. Reduces the need for casting and simplifies code, allowing users to easily manage specific node types.

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

VirtualException (AkiraNetwork.VirtualStorageLibrary.VirtualException.html)

VirtualID

The base class for exceptions that occur within the virtual storage library.

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition-2.html)

(AkiraNetwork.VirtualStorageLibrary)

Represents the conditions for grouping data, holding the property to group by and the order (ascending or descending).

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)

VirtualNode

Represents a virtual item. This class serves as the base class for the VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

(AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) type and is used solely for type checking of VirtualItem

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html).

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

VirtualItemAdapter<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter-1.html)

Adapter class to simplify operations on virtual items. Reduces the need for casting and simplifies code, allowing users to easily manage specific node types.

VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)

Represents a virtual item. A virtual item is an object used to manage item data within the virtual storage. It

- **AkiraNetwork.VirtualStorage**
- Manages item data based on the user-defined type T, facilitating the management and manipulation of various library content.

(AkiraNetwork.VirtualStorage)

Virtual items ensure that the actual data is distinctly present. If the user-defined type T implements the IVirtualDeepCloneable interface ([AkiraNetwork.VirtualStorageLibrary.IVirtualDeepCloneable-1.html](#)), a deep clone of the item data is created in separate instances. If this interface is not implemented, shallow copies may result in multiple references referencing the same instance of the item data.

(AkiraNetwork.VirtualStorageLibrary
1.html)

VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

Represents a node in the Virtual Storage Library.

NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary
1.html)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html)

A class that holds context information for a node. It is returned during or after path traversal, providing information about the node, path, parent directory, depth, index, resolved path, and symbolic link.

VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary
1.html)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html)

Provides extension methods for operations on virtual nodes in the Virtual Storage Library.

VirtualException
(AkiraNetwork.VirtualStorageLibrary
1.html)

VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

Represents the name of a virtual node. This class handles the generation, validation, and comparison of node names.

VirtualID
(AkiraNetwork.VirtualStorageLibrary
1.html)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html)

The exception that is thrown when a node is not found in the virtual storage.

(AkiraNetwork.VirtualStorageLibrary
1.html)

VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Represents a path within the virtual storage. Provides functionality for manipulating, comparing, normalizing, and splitting paths.

VirtualNode
(AkiraNetwork.VirtualStorageLibrary
1.html)

VirtualSortCondition<T>

(AkiraNetwork.VirtualStorageLibrary.VirtualSortCondition-1.html)

VirtualNodeExtensions

Represents the conditions for sorting data, holding the property to sort by and the order (ascending or descending).

VirtualStorageExtensions

(AkiraNetwork.VirtualStorageLibrary.VirtualStorageExtensions.html)

Provides extension methods for various operations on collections in the Virtual Storage Library.

- **AkiraNetwork.VirtualStorageVirtualStorageSettings**

(AkiraNetwork.VirtualStorageLibrary.VirtualStorageSettings.html)

(AkiraNetwork.VirtualStorage)

Manages settings for the virtual storage. This class implements the singleton pattern and holds default settings and various parameters.

(AkiraNetwork.VirtualStorageLibrary)

IVirtualDeepCloneable<T>

(AkiraNetwork.VirtualStorageState)

(AkiraNetwork.VirtualStorageLibrary.VirtualStorageState.html)

Manages the state of the virtual storage. This class implements the singleton pattern and maintains the current settings and state.

(AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate

(AkiraNetwork.VirtualStorageLibrary)

Manages virtual storage containing user-defined type T item data.

(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

(AkiraNetwork.VirtualStorageLibrary)

Represents a virtual symbolic link. A virtual symbolic link provides a virtual reference to other nodes (directories, items, or other symbolic links). This class represents symbolic links within the virtual storage library and manages paths to other nodes.

1.html)

The virtual symbolic link supports the concept of NULL links. When the TargetPath is null, the link resolution is not performed during a storage search. This feature can be useful when the target is undefined or dynamically determined.

GroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

2.html)

VirtualSymbolicLinkAdapter<T>

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLinkAdapter-1.html)

Adaptekeless to simplify operations on virtual symbolic links. Reduces the need for casting and simplifies code, allowing Network Virtual Storage specific node types.

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

VirtualID (AkiraNetwork.VirtualStorageLibrary.VirtualID.html)

1.html)

A structure representing a unique identifier within the virtual storage library. This identifier is based on a randomly generated UUID version 4 (UUIDv4). UUIDv4 is a 128-bit value that ensures high uniqueness and has strong cryptographic properties.

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

Structs

1.html)

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VirtualSymbolicLinkAdapter

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VirtualStorage



- **AkiraNetwork.VirtualStorageLibrary**
(AkiraNetwork.VirtualStorageL

ActionNodeDelegate
(AkiraNetwork.VirtualStorageLibrary)
IVirtualDeepCloneable<T>
(AkiraNetwork.VirtualStorageLibrary)
1.html)
IVirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary)
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary)
PatternMatch
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(AkiraNetwork.VirtualStorageLibrary)
VirtualDirectory
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VirtualException
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VirtualID
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VirtualItem
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(AkiraNetwork.VirtualStorageLibrary)
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VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary)
1.html)
VirtualNode
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeExtensions

Delegate ActionNodeDelegate

A delegate used to perform an action on a specific node during node traversal.

Filter by title

Namespace: AkiraNetwork (AkiraNetwork.html).VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

Assemblies: AkiraNetwork.dll

Symbols

(AkiraNetwork.VirtualStorage)

```
public delegate bool ActionNodeDelegate(VirtualDirectory parentDirectory, VirtualNodeName nodeName, VirtualPath nodePath)
(AkiraNetwork.VirtualStorageLibrary)
```

IVirtualDeepCloneable<T>

Parameters

Type	Name	Description
VirtualWildcardMatcher		
VirtualDirectory	parentDirectory	The parent directory of the target node.
VirtualNodeDelegate		
VirtualDirectoryName	nodeName	The name of the target node.
VirtualPath	nodePath	The path of the target node.
VirtualCycleDetector		
VirtualPath		
VirtualDirectory		

Returns

Type	Description
VirtualDirectoryAdapter<T>	Returns true to continue node traversal, or false to stop node traversal.

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)	
VirtualItem	
(AkiraNetwork.VirtualStorageLibrary.Uses.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilities_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)	
VirtualItemAdapter<T>	
(AkiraNetwork.VirtualStorageLibrary)	
1.html	
VirtualItem<T>	
(AkiraNetwork.VirtualStorageLibrary)	
1.html	
VirtualNode	
(AkiraNetwork.VirtualStorageLibrary)	
VirtualNodeContext	
(AkiraNetwork.VirtualStorageLibrary)	
VirtualNodeExtensions	

Interface IVirtualDeepCloneable<T>

Provides functionality to create deep clones of type T.

Filter by title

Namespace: AkiraNetwork ([AkiraNetwork.html](#)).VirtualStorageLibrary ([AkiraNetwork.VirtualStorageLibrary.html](#))

Assembly: VirtualStorageLibrary.dll

Syntax ([AkiraNetwork.VirtualStorageLibrary.html](#))

```
public interface IVirtualDeepCloneable<T>
{
    IVirtualDeepCloneable<T>
}
```

Type Parameters ([1.html](#))

Name	Description
T	(AkiraNetwork.VirtualStorageLibrary) The type of the object to clone.

NotifyNodeDelegate ([AkiraNetwork.VirtualStorageLibrary.html](#))

```
(AkiraNetwork.VirtualStorageLibrary)
```

PatternMatch

```
(AkiraNetwork.VirtualStorageLibrary)
```

VirtualCycleDetector

```
(AkiraNetwork.VirtualStorageLibrary)
```

VirtualDirectory

```
(AkiraNetwork.VirtualStorageLibrary)
```

DeepClone(bool)

```
(AkiraNetwork.VirtualStorageLibrary)
```

VirtualDirectoryAdapter<T>

```
(AkiraNetwork.VirtualStorageLibrary)
```

Declaration

VirtualException

```
T(AkiraNetwork.VirtualStorageLibrary) false)
```

VirtualGroupCondition<T, TKey>

```
(AkiraNetwork.VirtualStorageLibrary)
```

Parameters ([2.html](#))

Type	virtualID	Name	Description
bool		recursive	Indicates whether to recursively clone nested objects. If true, a recursive clone is performed; if false, only the object itself is cloned. This parameter is only relevant for VirtualDirectory, and is ignored for VirtualItem{T} and VirtualSymbolicLink.

1.html)

Returns `VirtualItem<T>`

Type	Description
T	The cloned object.

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

```
(AkiraNetwork.VirtualStorageLibrary)
```

VirtualNodeExtensions

```
(AkiraNetwork.VirtualStorageLibrary)
```

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utils
s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)



- **AkiraNetwork.VirtualStorage**
Library
(AkiraNetwork.VirtualStorageL

ActionNodeDelegate
(AkiraNetwork.VirtualStorageLibrar
IVirtualDeepCloneable<T>
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1.html)
IVirtualWildcardMatcher
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(AkiraNetwork.VirtualStorageLibrar
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(AkiraNetwork.VirtualStorageLibrar
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VirtualDirectoryAdapter<T>
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(AkiraNetwork.VirtualStorageLibrar
2.html)
VirtualID
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(AkiraNetwork.VirtualStorageLibrar
VirtualItemAdapter<T>
(AkiraNetwork.VirtualStorageLibrar
1.html)
VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrar
1.html)
VirtualNode
(AkiraNetwork.VirtualStorageLibrar
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrar
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrar

Interface IVirtualWildcardMatcher

Provides functionality for wildcard matching.

Filter by title

Namespace: AkiraNetwork (AkiraNetwork.html).VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

Library

Assembly: VirtualStorageLibrary.dll

(AkiraNetwork.VirtualStorageLibrary)

Syntax

```
ActionNodeDelegate  
(AkiraNetwork.VirtualStorageLibrary  
public interface IVirtualWildcardMatcher  
VirtualDeepCloneable<T>
```

```
(AkiraNetwork.VirtualStorageLibrary  
1.html)  
IVirtualWildcardMatcher
```

```
(AkiraNetwork.VirtualStorageLibrary  
NotifyNodeDelegate
```

```
(AkiraNetwork.VirtualStorageLibrary  
PatternMatch
```

Count

```
(AkiraNetwork.VirtualStorageLibrary  
VirtualNodeDelegate
```

Gets [VirtualNodeDelegate](#)s.

```
(AkiraNetwork.VirtualStorageLibrary  
VirtualDirectory
```

```
(AkiraNetwork.VirtualStorageLibrary  
int Count { get; }
```

```
(AkiraNetwork.VirtualStorageLibrary  
1.html)
```

Property Value

VirtualException

Type	Description
AkiraNetwork.VirtualStorageLibrary int VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary (https://learn.microsoft.com/dotnet/api/system.int32 2.html))	An integer representing the number of wildcards available.

VirtualID

```
(AkiraNetwork.VirtualStorageLibrary  
VirtualStorageLibrary
```

Patterns

```
(AkiraNetwork.VirtualStorageLibrary  
Gets a collection of available patterns.
```

```
VirtualItemAdapter<T>
```

Declaration

```
(AkiraNetwork.VirtualStorageLibrary  
1.html)
```

```
VirtualItem<T>  
IEnumerable<string> Patterns { get; }
```

```
(AkiraNetwork.VirtualStorageLibrary  
1.html)
```

Property Value

```
(AkiraNetwork.VirtualStorageLibrary  
VirtualNodeContext
```

```
(AkiraNetwork.VirtualStorageLibrary  
VirtualNodeExtensions
```

```
(AkiraNetwork.VirtualStorageLibrary  
VirtualNodeListConditions
```

Type	Description
IEnumerable (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) <string (https://learn.microsoft.com/dotnet/api/system.string)>	An enumerable collection of strings representing the available patterns.

Library

Windows Dictionary Virtual Storage

ActionNodeDelegate
Gets a dictionary of wildcards and their corresponding regex patterns.
(AkiraNetwork.VirtualStorageLibrary)

Declaration Virtual DeepCloneable<T>

(AkiraNetwork.VirtualStorageLibrary)

```
1.html  
ReadOnlyDictionary<string, string> WildcardDictionary { get; }  
IVirtualWildcardMatcher  
(AkiraNetwork.VirtualStorageLibrar
```

Property Value

```
Type (AkiraNetwork.VirtualStorageLibrary.PatternMatch)
ReadonlyDictionary<AkiraNetwork.VirtualStorageLibrary.VirtualLifecycleDetector>()
.readonlyDictionary()
```

VirtualDirectoryAdapter<T>
(AkiraNetwork.VirtualStorageLibrary)

Wildcards^{1.html}

VirtualException

Gets (Akira) Network of Virtual Storageclaimar

VirtualGroupCondition<T, TKey>
Declaration (AkiraNetwork.VirtualStorageLibrary)

```
2.html)  
IEnumerable<string> Wildcards { get; }
```

(AkiraNetwork.VirtualStorageLibrary
VirtualItem

Property Value (AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter< T >)

`IEnumerable<VirtualItem<T>> items = (AkiraNetwork.VirtualStorageLibrary.IEnumerable<VirtualItem<T>>) await _storageClient.GetItemsAsync();`

VirtualNode

(AkiraNetwo

VirtualNodeContext

Methods

PatternMatcher(string, string)
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeExtensions

Type	Description
(AkiraNetwork.VirtualStorageLibrary.PatternMatch.ReadOnlyDictionary)(https://learn.microsoft.com/dotnet/api/system.collections.objectmodel.readonlydictionary-2) <string (https://learn.microsoft.com/dotnet/api/system.string), string (https://learn.microsoft.com/dotnet/api/system.string)>(AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter<T>)(AkiraNetwork.VirtualStorageLibrary.Wildcards)(1.html)VirtualExceptionGets (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey>)(AkiraNetwork.VirtualStorageLibrary.Declaration)(2.html)IEnumerable<string> Wildcards { get; }VirtualItemProperty ValueVirtualItemAdapter<T>(AkiraNetwork.VirtualStorageLibrary.IEnumerable<VirtualItem<T>>)(https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1)<string (https://learn.microsoft.com/dotnet/api/system.string)>	A read-only dictionary containing wildcards as keys and their corresponding regex patterns as values.
Type	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter<T>)(https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1)<string (https://learn.microsoft.com/dotnet/api/system.string)>	An enumerable collection of strings representing the available wildcards.

VirtualNode Methods

PatternMatcher(string, string)
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeExtensions

Determines whether the specified node name matches the specified pattern.

Declaration

```
bool PatternMatcher(string nodeName, string pattern)
```



Parameters

Library	Name	Description
Type (AkiraNetwork.VirtualStorageLibrary)		
string (https://learn.microsoft.com/dotnet/api/system.string) ActionNodeDelegate	nodeName	The node name to check.

Type (AkiraNetwork.VirtualStorageLibrary)	pattern	The pattern to compare against.
--	---------	---------------------------------

Returns 1.html

Type	Description
VirtualWildcardMatcher	True if the node name matches the pattern; otherwise, false.

Extension Methods

[VirtualDirectory.GenerateSingleTableDebugText<T>\(T\)](#)

([AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilsilites_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_](#))

[\(AkiraNetwork.VirtualStorageLibrary\)](#)
1.html

[VirtualException](#)

[\(AkiraNetwork.VirtualStorageLibrary\)](#)

[VirtualGroupCondition<T, TKey>](#)

[\(AkiraNetwork.VirtualStorageLibrary\)](#)

[2.html](#)

[VirtualID](#)

[\(AkiraNetwork.VirtualStorageLibrary\)](#)

[VirtualItem](#)

[\(AkiraNetwork.VirtualStorageLibrary\)](#)

[VirtualItemAdapter<T>](#)

[\(AkiraNetwork.VirtualStorageLibrary\)](#)

[1.html](#)

[VirtualItem<T>](#)

[\(AkiraNetwork.VirtualStorageLibrary\)](#)

[1.html](#)

[VirtualNode](#)

[\(AkiraNetwork.VirtualStorageLibrary\)](#)

[VirtualNodeContext](#)

[\(AkiraNetwork.VirtualStorageLibrary\)](#)

[VirtualNodeExtensions](#)

[\(AkiraNetwork.VirtualStorageLibrary\)](#)

[VirtualNodeListConditions](#)

Delegate NotifyNodeDelegate

A delegate used to notify the status of a specific node during node traversal.

Filter by title

Namespace: AkiraNetwork (AkiraNetwork.html).VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)
(AkiraNetwork.VirtualStorageLibrary)

Assembly: VirtualStorageLibrary.dll

ActionNodeDelegate

Syntax

```
(AkiraNetwork.VirtualStorageLibrary.IVirtualDeepCloneable<T>
public delegate void NotifyNodeDelegate(VirtualPath path, VirtualNode? node)
(AkiraNetwork.VirtualStorageLibrary.1.html)
```

IVirtualWildcardMatcher

(AkiraNetwork.VirtualStorageLibrary)

Type	Name	Description
NotifyNodeDelegate		
VirtualPath	path	The virtual path of the node being notified.
VirtualNode	node	The instance of the node being notified.

(AkiraNetwork.VirtualStorageLibrary.PatternMatcher)

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

(AkiraNetwork.VirtualStorageLibrary.VirtualNode)

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary)

Extension Methods

(AkiraNetwork.VirtualStorageLibrary)

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilsilites_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

2.html)

VirtualID

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

Delegate PatternMatch

A delegate used to determine if a node name matches a pattern.

Filter by title

Namespace: AkiraNetwork (AkiraNetwork.html).VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

Assembly: VirtualStorageLibrary.dll

(AkiraNetwork.VirtualStorageLibrary)

Syntax:

```
VirtualDeepCloneable<T>
(AkiraNetwork.VirtualStorageLibrary)
public delegate bool PatternMatch(string nodeName, string pattern)
1.html)
```

IVirtualWildcardMatcher

(AkiraNetwork.VirtualStorageLibrary)

Parameters

NotifyNodeDelegate

Type (AkiraNetwork.VirtualStorageLibrary)

Name

Description

PatternMatch

string (AkiraNetwork.VirtualStorageLibrary)
(https://learn.microsoft.com/dotnet/api/system.string)

nodeName

The name of the node to be matched.

VirtualCycleDetector

string (AkiraNetwork.VirtualStorageLibrary)

(https://learn.microsoft.com/dotnet/api/system.string)

pattern

The pattern to match against.

VirtualDirectory

Return VirtualDirectoryAdapter<T>

Type (AkiraNetwork.VirtualStorageLibrary)
1.html)

Description

bool VirtualException

(AkiraNetwork.VirtualStorageLibrary)
(https://learn.microsoft.com/dotnet/api/system.boolean)

True if the node name matches the pattern; otherwise, false.

) VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

2.html)

Extension Methods

VirtualID (AkiraNetwork.VirtualStorageLibrary)

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

(AkiraNetwork.VirtualStorageLibrary)
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilsilites_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

VirtualItemAdapter<T> (AkiraNetwork.VirtualStorageLibrary)

(AkiraNetwork.VirtualStorageLibrary)
1.html)

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

Class VirtualCycleDetector

Class for detecting cycles in virtual symbolic links. Determines if a given link is part of a cycle.

Filter by title

Inheritance

(AkiraNetwork.VirtualStorageLibrary)
↳ object (<https://learn.microsoft.com/dotnet/api/system.object>)
 ↳ VirtualDeepCloneable<T>
 ↳ VirtualCycleDetector
 (AkiraNetwork.VirtualStorageLibrary)

Inherited Members

IVirtualWildcardMatcher
object.Equals(object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object)))
 (AkiraNetwork.VirtualStorageLibrary)
 NotifyNodeDelegate
object.Equals(object, object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object-system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-system-object)))
 (AkiraNetwork.VirtualStorageLibrary)
 PatternMatch
object.GetHashCode() (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)
 (AkiraNetwork.VirtualStorageLibrary)
object.GetType() (<https://learn.microsoft.com/dotnet/api/system.object.gettype>)
 VirtualCycleDetector
object.MemberwiseClone() (<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)
 (AkiraNetwork.VirtualStorageLibrary)
object.ReferenceEquals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)
 VirtualDirectory
object.ToString() (<https://learn.microsoft.com/dotnet/api/system.object.tostring>)
 (AkiraNetwork.VirtualStorageLibrary)

Namespace: AkiraNetwork ([AkiraNetwork.html](#)).VirtualStorageLibrary ([AkiraNetwork.VirtualStorageLibrary.html](#))

Assembly: AkiraNetwork.dll ([AkiraNetwork.dll.html](#))

Syntax

VirtualException
(AkiraNetwork.VirtualStorageLibrary)
public class VirtualCycleDetector
 VirtualGroupCondition<T, TKey>
 (AkiraNetwork.VirtualStorageLibrary)
 2.html)

Constructors

(AkiraNetwork.VirtualStorageLibrary)
VirtualItem
(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector()
(AkiraNetwork.VirtualStorageLibrary)
VirtualItemAdapter<T>
Initializes a new instance of the VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary)
(AkiraNetwork.VirtualStorageLibrary.VIRTUALCYCLEDETECTOR.html) class.
1.html)

Declaration

VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary)
1.html)
public VirtualCycleDetector()
VirtualNode
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary)

Properties

(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)

Count
(AkiraNetwork.VirtualStorageLibrary)
VirtualnodeName
Gets the number of detected cycles
(AkiraNetwork.VirtualStorageLibrary)

Declaration

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

Property Value

Type	Description
int (https://learn.microsoft.com/dotnet/api/system.int32) IVirtualDeepCloneable<T> (AkiraNetwork.VirtualStorageLibrary. 1.html) VirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary. The dictionary of detected cycles: NotifyNodeDelegate Declaration (AkiraNetwork.VirtualStorageLibrary. PatternMatch p(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink) CycleDictionary { get; } VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary. VirtualDirectory Property Value VirtualDirectory	The number of detected cycles.

CycleDictionary

Gets the dictionary of detected cycles.

NotifyNodeDelegate

Declaration

(AkiraNetwork.VirtualStorageLibrary.
PatternMatch
p(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink) CycleDictionary { get; }
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary.
VirtualDirectory
Property Value
VirtualDirectory

Type	Description
AkiraNetwork.VirtualStorageLibrary. VirtualDirectoryAdapter<T> Dictionary (AkiraNetwork.VirtualStorageLibrary. (https://learn.microsoft.com/dotnet/api/system.collections.generic.dictionary-2) VirtualException < (AkiraNetwork.VirtualStorageLibrary. VirtualID (AkiraNetwork.VirtualStorageLibrary.VirtualID.html) (AkiraNetwork.VirtualStorageLibrary. , VirtualSymbolicLink VirtualID (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink. (AkiraNetwork.VirtualStorageLibrary. nk.html) VirtualItem > (AkiraNetwork.VirtualStorageLibrary. VirtualItemAdapter<T> (AkiraNetwork.VirtualStorageLibrary. 1.html)	A dictionary where the keys are VirtualID (AkiraNetwork.VirtualStorageLibrary.VirtualID.html) s and the values are the corresponding VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink. html) s.

Methods

Method <T>	Description
(AkiraNetwork.VirtualStorageLibrary. 1.html)	

Clear()

Method <T>	Description
(AkiraNetwork.VirtualStorageLibrary. VirtualNode Clears the dictionary of detected cycles: VirtualNodeContext Declaration (AkiraNetwork.VirtualStorageLibrary. VirtualNodeExtensions (AkiraNetwork.VirtualStorageLibrary. public void Clear() VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary. VirtualnodeName (AkiraNetwork.VirtualStorageLibrary. VirtualNodeName (AkiraNetwork.VirtualStorageLibrary. VirtualNodeName Property Value VirtualNodeName	

IsNodeInCycle(VirtualSymbolicLink)

Determines whether the specified VirtualSymbolicLink
(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html) is part of a cycle.

Declaration

```
public bool IsNodeInCycle(VirtualSymbolicLink link)  
(AkiraNetwork.VirtualStorageLibrary.IVirtualDeepCloneable<T>
```

Parameters

Type	Name	Description
VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)	link	The VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html) to check.

Returns

Type	Description
VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter<T> bool (https://learn.microsoft.com/dotnet/api/system.boolean)	True if the link is part of a cycle; otherwise, false.

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T VirtualGroupCondition<T, TKey> Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilities_VirtualTextFormatter_GeneratesSingleTableDebugText_1__0_ 2.html)	(AkiraNetwork.VirtualStorageLibrary.VIRTUAL_EXCEPTION)
VirtualID (AkiraNetwork.VirtualStorageLibrary.VirtualID)	
VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualItem)	
VirtualItemAdapter<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter<T> 1.html)	
VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem<T> 1.html)	
VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode)	
VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext)	
VirtualNodeExtensions (AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions)	
VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)	
VirtualnodeName (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName)	

Class VirtualDirectory

Represents a virtual directory. A virtual directory functions as a container for other nodes. It can contain VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html), VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html), and VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html), providing a centralized way to manage these entities (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html).

This class supports operations such as adding, removing, updating, checking the existence of, and enumerating nodes within the directory. It serves as a fundamental component for efficiently managing the structure of the virtual storage.

NotifyNodeDelegate

Adds (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html) according to the specified display conditions.

PatternMatch

Inheritance

VirtualCycleDetector

↳ object (https://learn.microsoft.com/dotnet/api/system.object)

↳ VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

↳ VirtualDirectory

↳ VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

Implementation

IVirtualDeepCloneable (AkiraNetwork.VirtualStorageLibrary.IVirtualDeepCloneable-1.html) <VirtualNode

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)>

IVirtualException

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)>

IEnumerable<T> (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1)<VirtualNode

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)>

IEnumerable<T> (https://learn.microsoft.com/dotnet/api/system.collections.ienumerable)

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

Inherited Members

2.html)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_Name)

VirtualNodeCreatedDate

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_CreatedDate)

VirtualItemAdapter<T>

VirtualNodeUpdatedDate

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_UpdatedDate)

VirtualItem<T>

VirtualNode

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_VID)

VirtualNodeIsReferencedInStorage

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_IsReferencedInStorage)

VirtualNodeContext

object (AkiraNetwork.Object (https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object)))

VirtualNodeExtensions

object (AkiraNetwork.Object (https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object)))

VirtualNodeExtensions

object (AkiraNetwork.Object (https://learn.microsoft.com/dotnet/api/system.object.gethashcode))

object (AkiraNetwork.Object (https://learn.microsoft.com/dotnet/api/system.object.gettype))

object (AkiraNetwork.Object (https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone))

VirtualNodeNotFoundException

object.ReferenceEquals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)

Namespace: AkiraNetwork (AkiraNetwork.html).VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

Assembly: VirtualStorageLibrary.dll

Syntax

```
public class VirtualDirectory : VirtualNode, IVirtualDeepCloneable<VirtualNode>, IEnumerable<VirtualNode>, IEnumerable<IVirtualDeepCloneable<T>>
    (AkiraNetwork.VirtualStorageLibrary.html#AkiraNetwork_VirtualStorageLibrary_VirtualDirectory_1.html)
```

Constructors

VirtualNodeMatcher

(AkiraNetwork.VirtualStorageLibrary.html#AkiraNetwork_VirtualStorageLibrary_VirtualDirectory_2.html)

NotifyNodeDelegate

VirtualDirectory()

(AkiraNetwork.VirtualStorageLibrary.html#AkiraNetwork_VirtualStorageLibrary_VirtualDirectoryName_1.html)

Initializes a new instance of the VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html) class.

The node name is automatically generated by the GenerateNodeName(string)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeName_GenerateNodeName_System_String_1.html) method.

VirtualDirectory

Declaration

(AkiraNetwork.VirtualStorageLibrary.html#AkiraNetwork_VirtualStorageLibrary_VirtualDirectory_2.html)

VirtualDirectoryAdapter<T>

(AkiraNetwork.VirtualStorageLibrary.html#AkiraNetwork_VirtualStorageLibrary_VirtualDirectoryName_2.html)

1.html)

VirtualException

(AkiraNetwork.VirtualStorageLibrary.html#AkiraNetwork_VirtualStorageLibrary_VirtualDirectoryName_3.html)

VirtualDirectory(VirtualDirectoryName)

(AkiraNetwork.VirtualStorageLibrary.html#AkiraNetwork_VirtualStorageLibrary_VirtualDirectoryName_4.html)

Initializes a new instance of the VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html) class with the specified name.

VirtualName

(AkiraNetwork.VirtualStorageLibrary.html#AkiraNetwork_VirtualStorageLibrary_VirtualDirectoryName_5.html)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary.html#AkiraNetwork_VirtualStorageLibrary_VirtualDirectoryName_6.html)

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary.html#AkiraNetwork_VirtualStorageLibrary_VirtualDirectoryName_7.html)

Parameters

Type	Name	Description
VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.html#AkiraNetwork_VirtualStorageLibrary_VirtualItem_1.html)	name	The name of the directory.

VirtualDirectory(VirtualDirectoryName, DateTime, DateTime)

(AkiraNetwork.VirtualStorageLibrary.html#AkiraNetwork_VirtualStorageLibrary_VirtualDirectoryName_2.html)

Initializes a new instance of the VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html) class with the specified name, creation date, and update date.

(AkiraNetwork.VirtualStorageLibrary.html#AkiraNetwork_VirtualStorageLibrary_VirtualDirectoryName_3.html)

Declaration

VirtualDirectoryName

(AkiraNetwork.VirtualStorageLibrary.html#AkiraNetwork_VirtualStorageLibrary_VirtualDirectoryName_4.html)

VirtualNodeNotFoundException

Gets the number of directories based on the current display conditions.

Declaration

```
public int DirectoryViewCount { get; }
```

Property	Type	Description
VirtualDeepCloneable<T>	int (AkiraNetwork.VirtualStorageLibrary (https://learn.microsoft.com/dotnet/api/system.int32)	

IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary)

this VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

Gets or sets the node with the specified name using the indexer.

.(AkiraNetwork.VirtualStorageLibrary

Declaration

```
(AkiraNetwork.VirtualStorageLibrary  
public VirtualNode this[VirtualNodeName name] { get; set; }  
VirtualDirectory
```

(AkiraNetwork VirtualStorage) library

VirtualDirectoryAdapter<T>

Parameters	DirectoryAdapter<T>	Type	(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	Name	Description
	VIRTUALException(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)			name	The name of the node.

(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>

Type	Description
VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html) (AkiraNetwork.VirtualStorageLibrary.html)	The node with the specified name.

VirtualItem options

Exceptions (AkiraNetwork.VirtualStorageLibrary)

Type	Condition
<code>virtualItemAdapter<T></code>	
<code>(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html)</code>	Thrown if the node is not found.
<code>(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html)</code>	

Virtueller Speicher

Item ~~Count~~ ^{Virtual Number}

(AkiraNetwork VirtualStorage) library

Get-ItemCount [*AKTANetwork.VirtualStorageLib*]

VirtualNodeContext within the application layer.

Declaration

VirtualNodeExtensions

```
(AkiraNetwork.VirtualStorageLibrary  
public..int ItemCount. { get; } )
```

Virtual NodeList Conditions

Property	Value
VmName	(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException)

Type	Description
int (https://learn.microsoft.com/dotnet/api/system.int32)	

ItemCount

Gets the number of items based on the current display conditions.

IVirtualDeepCloneable<T>

Declaration

[AkiraNetwork.VirtualStorageLibrary](#)

1.html)

IVirtualWildcardMatcher

public int ItemCount { get; }

(AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate

Property Value

(AkiraNetwork.VirtualStorageLibrary)

Type

PatternMatch

(AkiraNetwork.VirtualStorageLibrary)

int (<https://learn.microsoft.com/dotnet/api/system.int32>)

Description

Type	Description
PatternMatch	

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary)

NodeNames

VirtualDirectoryAdapter<T>

Enum

(AkiraNetwork.VirtualStorageLibrary)

directory.

1.html)

Declaration

VirtualException

(AkiraNetwork.VirtualStorageLibrary)

public IEnumerable<VirtualNodeName> NodeNames { get; }

(AkiraNetwork.VirtualStorageLibrary)

2.html)

Property Value

VirtualID

Type

(AkiraNetwork.VirtualStorageLibrary)

Description

Type	Description
(AkiraNetwork.VirtualStorageLibrary)	

Type	Description
VirtualItem	

Type	Description
IEnumerable (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) < (AkiraNetwork.VirtualStorageLibrary)	

VirtualnodeName ([AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html](#))>

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html)

NodeType

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

Gets the type of the node. This class always returns Directory.

1.html)

Declaration

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

public override VirtualNodeType NodeType { get; }

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

Property Value

(AkiraNetwork.VirtualStorageLibrary)

Type	Description
(AkiraNetwork.VirtualStorageLibrary)	

Type	Description
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Type	Description
(AkiraNetwork.VirtualStorageLibrary)	

VirtualNode.NodeType
 (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_NodeType)

Nodes

Enumerates all nodes within the directory.

Declaration
 IVirtualDeepCloneable<T>
 (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_IVirtualDeepCloneable_T)
 1.html
 public IEnumerable<VirtualNode> Nodes { get; }
 VirtualWildcardMatcher
 (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_VirtualWildcardMatcher)

Property Value

Type	Description
PatternMatch.IEnumerable<VirtualNode>	(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_IEnumerable_VirtualNode)

NodesView

Gets a view of nodes based on the current display conditions.
 1.html

Declaration

VirtualGroupCondition<VirtualNode> NodesView { get; }
 (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_VirtualGroupCondition_VirtualNode_NodesView)
 2.html

Property Value

Type	Description
VirtualItemAdapter<VirtualNode>	(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_VirtualItemAdapter_VirtualNode)

NodesViewCount

Gets the number of nodes based on the current display conditions.
 1.html

Declaration

VirtualNodeContext NodesViewCount { get; }
 (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeContext_NodesViewCount)
 VirtualNodeExtensions
 (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeExtensions)

Property Value

Type	Description
VirtualNodeName	int (https://learn.microsoft.com/dotnet/api/system.int32)

Type	Name	Description
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	<i>allowOverwrite</i>	If true, allows overwriting an existing node with the same name.

Returns

Type	Description
<code>VirtualDeepCloneable<T></code> (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)	The added node.

Exceptions

Type	Condition
<code>IVirtualWildcardMatcher</code> (AkiraNetwork.VirtualStorageLibrary.Arguments.Matcher.html)	Thrown if an invalid node name is specified.
<code>InvalidOperationException</code> (https://learn.microsoft.com/dotnet/api/system.invalidoperationexception)	Thrown if a node with the same name already exists.

AddDirectory(VirtualDirectoryName, bool)

`VirtualException`
Adds a directory with the specified name.
([AkiraNetwork.VirtualStorageLibrary.Arguments.Exception.html](#))

Declaration

```
public VirtualDirectory AddDirectory(VirtualDirectoryName name, bool allowOverwrite = false)
```

Parameters

Type	Name	Description
<code>VirtualStorageLibrary</code> <code>VirtualItemAdapter<T></code> <code>VirtualDirectoryName</code> (AkiraNetwork.VirtualStorageLibrary.Arguments.Name.html)	<i>name</i>	The name of the directory.
<code>bool</code> (https://learn.microsoft.com/dotnet/api/system.boolean)	<i>allowOverwrite</i>	If true, allows overwriting an existing node with the same name.

Returns

Type	Description
<code>VirtualNodeExtensions</code> (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)	The added directory.

AddItemTo(VirtualNodeName, T?, bool)

`VirtualNodeNotFoundException`

Adds an item with the specified name.

Declaration

```
public VirtualItem<T> AddItem<T>(VirtualNodeName name, T? itemData = default, bool allowOverwrite = false)
```



Parameters

VirtualDeepCloneable<T>	
Type	AkiraNetwork.VirtualStorageLibrary
name	VirtualNodeName IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) NotifyNodeDelegate
itemData	T (AkiraNetwork.VirtualStorageLibrary) PatternMatch bool (AkiraNetwork.VirtualStorageLibrary (https://learn.microsoft.com/dotnet/api/system.boolean)) VirtualCycleDetector
allowOverwrite	VirtualDirectory VirtualException

Returns

VirtualDirectoryAdapter<T>	
VIRTUALITEM (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)<T>	The added item.

Type AkiraNetwork.VirtualStorageLibrary

VirtualGroupCondition<T, TKey>	
(AkiraNetwork.VirtualStorageLibrary)	
T 2.html	The data type of the item.

Type VirtualID

Type VirtualItem

AddSymbolicLink(VirtualNodeName, VirtualPath, bool)

Adds a symbolic link with the specified name.

(AkiraNetwork.VirtualStorageLibrary)

Declaration

```
public void AddSymbolicLink(VirtualNodeName name, VirtualPath targetPath, bool allowOverwrite = false)
```

Parameters

VirtualNodeContext	
Type	AkiraNetwork.VirtualStorageLibrary
name	VirtualNodeExtensions VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) VirtualNodeListConditions
targetPath	(AkiraNetwork.VirtualStorageLibrary)
allowOverwrite	VirtualNodeName (AkiraNetwork.VirtualStorageLibrary)
	VirtualNodeNotFoundException

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>targetPath</i>	The target path of the symbolic link.
bool (https://learn.microsoft.com/dotnet/api/system.boolean) VirtualDeepCloneable<T> (AkiraNetwork.VirtualStorageLibrary.VirtualDeepCloneable.html)	<i>allowOverwrite</i>	If true, allows overwriting an existing node with the same name.

Returns [Task<VirtualSymbolicLink>](#)

Type	Description
VirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary.VirtualWildcardMatcher.html)	The added symbolic link.

DeepClone(bool)
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.DeepClone.html)

Creates a deep clone of the directory.

VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)

Declaration
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.DeepClone.html)

```
public VirtualNode DeepClone(bool recursive = false)
```

1.html)

VirtualException
(AkiraNetwork.VirtualStorageLibrary.VirtualException.html)

Type	Name	Description
VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition.html) bool (https://learn.microsoft.com/dotnet/api/system.boolean) VirtualID olean (AkiraNetwork.VirtualStorageLibrary.VirtualID.olean.html)	<i>recursive</i>	If true, all nodes within the directory are recursively cloned.

VirtualItem
(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)

Type	Description
VirtualItemAdapter<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter.html) VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)	A deep clone of the directory.

VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary.VirtualItem.OfType.html)

Overrides
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.DeepClone.html)

VirtualNode.DeepClone(bool)
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_DeepClone_System_Boolean)

VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html)

VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html)

DirectoryExists(VirtualNodeName)
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

Checks whether a directory with the specified name exists.
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions.html)

Declaration
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

VirtualnodeName

(AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html)
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html)

```
public bool DirectoryExists(VirtualNodeName name)
```

Parameters

Type		Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)		name	The name of the directory to check.

Returns

Type	IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary.VirtualWildcardMatcher.html)	Description
bool (http://msdn.microsoft.com/dotnet/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary.VirtualBoolean.html)		True if the directory exists; otherwise, false.

Get(VirtualNodeName, bool)

Gets the node with the specified name.

VirtualDirectory

Declaration

AkiraNetwork.VirtualStorageLibrary.

VirtualDirectoryAdapter<T>

```
public VirtualItem<T> Get(VirtualNodeName name, bool exceptionEnabled = true)
```

1.html)

VirtualException

Parameters

Type	VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition.html)	Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)		name	The name of the node.
bool (http://msdn.microsoft.com/dotnet/api/system.boolean) VirtualItemAdapter<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter.html)		exceptionEnabled	If true, throws an exception if the node is not found.

Returns

Type	VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)	Description
VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)		The node with the specified name, or null if the node does not exist.

GetDirectory(VirtualNodeName)

Gets the directory with the specified name.

VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions.html)

Declaration

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

VirtualNodeNotFoundException

```
public VirtualDirectory GetDirectory(VirtualNodeName name)
```

Parameters

Type	Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	name	The name of the directory.

Returns

Type	Description
IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary.VirtualWildcardMatcher.html)	The directory with the specified name.

Exceptions

Type	Condition
VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector.html)	
VirtualNotFoundException (AkiraNetwork.VirtualStorageLibrary.VirtualNotFoundException.html)	Thrown if the node is not found.
VirtualDirectoryAdapter<T> InvalidOperationException (AkiraNetwork.VirtualStorageLibrary.InvalidOperationException.html)	Thrown if the specified node is not a directory.

GetEnumerator()

Gets an enumerator for nodes based on the current display conditions.

Declaration

```
(AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter<T>.GetEnumerator())
```

Returns

```
public System.Collections.Generic.IEnumerable<VirtualNode> GetEnumerator()
```

Implementation

```
(AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter<T>.GetEnumerator())
```

Returns

1.html

Type

```
VirtualItem<T>
```

```
(AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter<T>.VirtualItem)
```

Returns

1.html

Type	Description
IEnumerator<VirtualNode> (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerator-1)	An enumerator for filtered nodes.

<VirtualNode>(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)>

```
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext)
```

GetItemByName(VirtualNodeName)

Gets the item with the specified name.

Implementation

```
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)
```

Declaration

```
VirtualNodeName
```

```
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)
```

VirtualNodeNotFoundException

```
public VirtualItem<T> GetItem<T>(VirtualNodeName name)
```

Parameters

Type	Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) IVirtualDeepCloneable<T>	name	The name of the item.

Return Value

Type	Description
Virt (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)<T>	The item with the specified name.

Type Parameters

Type	Parameters	Description
	PatternMatch	(AkiraNetwork.VirtualStorageLibrary)
T	VirtualCycleDetector	The data type of the item. (AkiraNetwork.VirtualStorageLibrary)

Exceptions

Type	Condition
VirtualDirectoryAdapter<T>	Thrown if the node is not found. (AkiraNetwork.VirtualStorageLibrary)
VirtualNotFoundException 1.html (AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html)	Thrown if the specified node is not an item. (https://learn.microsoft.com/dotnet/api/system.invalidoperationexception) (AkiraNetwork.VirtualStorageLibrary)

GetNodesView()

VirtualItem

Gets a view of nodes based on the current display conditions.

(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

```
public IEnumerable<VirtualNode> GetNodesView()
```

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

Returns

T.html

Type	Description
VirtualNode	An enumeration of nodes based on the display conditions. (AkiraNetwork.VirtualStorageLibrary) IEnumerable VirtualNodeContext (https://learn.microsoft.com/dotnet/api/system.collections.generic.IEnumerable-1) VirtualNodeExtensions <VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)> (AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

GetSymbolicLink(VirtualNodeName)

(AkiraNetwork.VirtualStorageLibrary)

Gets the symbolic link with the specified name.

VirtualNodeNotFoundException

Declaration

```
public VirtualSymbolicLink GetSymbolicLink(VirtualNodeName name)
```

Parameters

Type	Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) 1.html)	name	The name of the symbolic link.

Returns

Type	Description
VirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate)	The symbolic link with the specified name.

Exceptions

Type	Condition
VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException)	Thrown if the node is not found.
VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary.VirtualGroupConditionAdapter<T>)	Thrown if the specified node is not a symbolic link.

ItemExists(VirtualNodeName)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions)

Checks whether an item with the specified name exists.

(AkiraNetwork.VirtualStorageLibrary.VirtualItemExtensions)

Declaration

```
public bool ItemExists(VirtualNodeName name)
```

(AkiraNetwork.VirtualStorageLibrary.VirtualItemExtensions)

Parameters

Type	Name	Description
VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext)	name	The name of the item to check.

Returns

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions)

Type

Type	Description
VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)	True if the item exists; otherwise, false.

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)

VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException)

NodeExists(VirtualNodeName)

Checks whether a node with the specified name exists.

Declaration

```
    public bool NodeExists(VirtualnodeName name)
```

Parameters		Name	Description
<code>IVirtualDeepCloneable<T></code> (AkiraNetwork.VirtualStorageLibrary.html)			
<code>IVirtualWildcardMatcher</code> <code>VirtualNodeName</code> (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	<i>name</i>		The name of the node to check.
<code>NotifyNodeDelegate</code>			

Returns	(AkiraNetwork.VirtualStorageLibrary.PatternMatch)
Type	AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector
bool (https://learn.microsoft.com/dotnet/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary)	True if the node exists; otherwise, false.

Remove Virtual Node

(AkiraNetwork.VirtualStorageLibrary)

RemoveNode(*node*)

Virtual E-Declarations

(AkiraNetwork VirtualStorage) library

```
public void Remove(VirtualNode node)
```

3.html)

Parameter	Type	Name	Description
VietnamID	(AkiraNetwork.VirtualStorageLibrary.VirtualItem)		
VirtualNode	(AkiraNetwork.VirtualStorageLibrary.VirtualStorageLibrary.VirtualNode.html)	node	The node to remove.

Type	Condition
VirtualItem<T>	
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html)	Thrown if the node is not found.
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html)	

SymbolicLinkExists(VirtualNodeName)

VirtualNodeExtensions

`virtualNodeExtensions`: Checks whether a symbolic link with the alias `VirtualNode` exists.

(AkiraNetwork.VirtualStorageLibrary)

DeclarationNodeListCondition

(AkiraNetwork.VirtualStorageLibrary

-VirtualNodeName

```
public bool SymbolicLinkExists(
```

(AkiraNetwork.VirtualStorageLib

Parameters

Type	Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	name	The name of the symbolic link to check.

Returns

Type	Description
IVirtualDeepCloneable<T> (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)	True if the symbolic link exists; otherwise, false.

IVirtualWildcardMatcher

(AkiraNetwork.VirtualStorageLibrary.VirtualNode)

>Returns a string representation of the directory.
PatternMatch

Declaration

```
(AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector)
(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory)
public override string ToString()
    VirtualDirectory
```

Return Value

IVirtualDirectoryAdapter<T>

Type	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)	A string representation of the directory.

Overrides

```
VirtualGroupCondition<T, TKey>
object.ToString() (https://learn.microsoft.com/dotnet/api/system.object.tostring)
    2.html
```

VirtualID

Update(VirtualNode)

IVirtualStorageLibrary

Updates the current directory with the data from the specified node.
(AkiraNetwork.VirtualStorageLibrary.VirtualNode)

Declaration

```
(AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter<T>)
1.html)
public override void Update(VirtualNode node)
    VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary.VirtualNode)
```

Parameters

Type	Name	Description
VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)	node	The node used for the update.

Overrides

```
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions)
VirtualNode.UpdateVirtualNode)
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_Update_A
    AkiraNetwork.VirtualStorageLibrary.VirtualNode_)
VirtualNodeName
```

Exceptions

```
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException)
VirtualNodeNotFoundException
```

Type	Condition
ArgumentException (https://learn.microsoft.com/dotnet/api/system.argumentexception)	Thrown if the specified node is not a VirtualDirectory.

1

Operators

IVirtualDeepCloneable<T>

(AkiraNetwork.VirtualStorageLibrary

1.html) + VirtualDir

operator + (virtualDirectory, virtualNode)
IVirtualWildcardMatcher
Overlaid a new directory structure on top of a node to the directory.

NotifyNodeDelegate

Declaration

(AKHANETWOR
Battaw Matla)

```
public static VirtualDirectory operator +(VirtualDirectory directory, VirtualNode node)
```

VirtualCycleDetector

VirtualCycleDetector

parameters

Type	Name	Description
VirtualDirectory (AkiraNetwork.VirtualStorageLibrary)		
VirtualDirectoryAdapter<T> (AkiraNetwork.VirtualStorageLibrary)	directory	The directory to which the node is added.
VirtualNode (AkiraNetwork.VirtualStorageLibrary)	node	The node to add.

VirtualGroupCondition<T, TKey>

Type	Description
VirtualID	The directory with the added node.

implicit operator VirtualDirectory(VirtualNodeName)

Performs an implicit conversion from VirtualNodeName^{1.html}

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) to VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryName.html).
1.html)

Declaration

(AlioNet and Virtuoso) and libraries

(AkiraNetwork.virtualStorageLibrary) VirtualINodeContainer

(AlienNet and VietriSegment library)

Virtual Network Virtualization

VirtualNodeExtensions Parameters

Parameter	Description	
Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)		
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName)	<i>node</i>	The node name to convert.
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)		
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)		

VirtualNodeNotFoundException

Returns

Type	Description
VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)	

operator -(VirtualDirectory, VirtualNode)

|VirtualDeepCloneable<T>
Overloads the subtraction operator to remove a node from the directory.
(AkiraNetwork.VirtualStorageLibrary)

Declaration

IVirtualWildcardMatcher
public static VirtualDirectory operator -(VirtualDirectory directory, VirtualNode node)

NotifyNodeDelegate

(AkiraNetwork.VirtualStorageLibrary)

Parameters

PatternMatch

Type	Name	Description
AkiraNetwork.VirtualStorageLibrary VirtualCycleDetector	directory	The directory from which the node is removed.
AkiraNetwork.VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)	node	The node to remove.

Returns

VirtualException

Type	Description
AkiraNetwork.VirtualStorageLibrary VirtualGroupCondition<T, TKey> VirtualDirectory (AkiraNetwork.VirtualStorageLibrary) (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)	The directory with the removed node.

VirtualID

(AkiraNetwork.VirtualStorageLibrary)

Implements

IVirtualDeepCloneable<T>	(AkiraNetwork.VirtualStorageLibrary.IVirtualDeepCloneable-1.html)
IEnumerable<T>	(https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1)
IEnumerable	(https://learn.microsoft.com/dotnet/api/system.collections.ienumerable)
VirtualItem<T>	

VirtualItem<T>	
(AkiraNetwork.VirtualStorageLibrary)	

1.html

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)	
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilsilites_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)	

VirtualNodeContext

VirtualNodeExtensions.ResolveNodeType(VirtualNode)	
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_Extensions_ResolveNodeType_AkiraNetwork_VirtualStorageLibrary_VirtualNode_)	

VirtualTextFormatter.GenerateTableDebugText<T>(IEnumerable<T>)

VirtualTextFormatter.GenerateTableDebugText<T>(IEnumerable<T>)	
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilsilites_VirtualTextFormatter_GenerateTableDebugText_1_System_Collections_Generic_IEnumerable__0_)	

VirtualStorageExtensions.ApplySortConditions<T>(IEnumerable<T>, List<VirtualSortCondition<T>>?)

VirtualStorageExtensions.ApplySortConditions<T>(IEnumerable<T>, List<VirtualSortCondition<T>>?)	
(AkiraNetwork.VirtualStorageLibrary.VirtualStorageExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualStorageExtensions_VirtualNodeNotFoundException)	

```
rageExtensions_ApplySortConditions_1_System_Collections_Generic_IEnumerator_0_System_Collections_Generi
c_List_AkiraNetwork_VirtualStorageLibrary_VirtualSortCondition_0__)
VirtualStorageExtensions.GroupAndSort<T>(IEnumerable<T>, VirtualGroupCondition<T, object>?, List<Virtual
SortCondition<T>>?)
(AkiraNetwork.VirtualStorageLibrary.VirtualStorageExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualSto
rageExtensions_GroupAndSort_1_System_Collections_Generic_IEnumerator_0_AkiraNetwork_VirtualStorageLibr
ary_VirtualGroupCondition_0_System_Object_System_Collections_Generic_List_AkiraNetwork_VirtualStorageLibr
ary_VirtualSortCondition_0__)
    IVirtualDeepCloneable<T>
        (AkiraNetwork.VirtualStorageLibrar
        1.html)
    IVirtualWildcardMatcher
        (AkiraNetwork.VirtualStorageLibrar
    NotifyNodeDelegate
        (AkiraNetwork.VirtualStorageLibrar
    PatternMatch
        (AkiraNetwork.VirtualStorageLibrar
    VirtualCycleDetector
        (AkiraNetwork.VirtualStorageLibrar
    VirtualDirectory
        (AkiraNetwork.VirtualStorageLibrar
    VirtualDirectoryAdapter<T>
        (AkiraNetwork.VirtualStorageLibrar
        1.html)
    VirtualException
        (AkiraNetwork.VirtualStorageLibrar
    VirtualGroupCondition<T, TKey>
        (AkiraNetwork.VirtualStorageLibrar
        2.html)
    VirtualID
        (AkiraNetwork.VirtualStorageLibrar
    VirtualItem
        (AkiraNetwork.VirtualStorageLibrar
    VirtualItemAdapter<T>
        (AkiraNetwork.VirtualStorageLibrar
        1.html)
    VirtualItem<T>
        (AkiraNetwork.VirtualStorageLibrar
        1.html)
    VirtualNode
        (AkiraNetwork.VirtualStorageLibrar
    VirtualNodeContext
        (AkiraNetwork.VirtualStorageLibrar
    VirtualNodeExtensions
        (AkiraNetwork.VirtualStorageLibrar
    VirtualNodeListConditions
        (AkiraNetwork.VirtualStorageLibrar
    VirtualnodeName
        (AkiraNetwork.VirtualStorageLibrar
    VirtualNodeNotFoundException
```

Class VirtualDirectoryAdapter<T>

Adapter class to simplify operations on virtual directories. Reduces the need for casting and simplifies code, allowing users to easily manage specific node types.

Inheritance

1.html

↳ object (<https://learn.microsoft.com/dotnet/api/system.object>)
↳ VirtualWildcardMatcher
↳ VirtualDirectoryAdapter<T>
↳ AkiraNetwork.VirtualStorageLibrary

Inherited Members

(AkiraNetwork.VirtualStorageLibrary)
object.Equals(object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-object)))
(AkiraNetwork.VirtualStorageLibrary)
object.Equals(object, object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-object-equals\(system-object-system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-object-equals(system-object-system-object)))
(AkiraNetwork.VirtualStorageLibrary)
object.GetHashCode() (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)
object.GetType() (<https://learn.microsoft.com/dotnet/api/system.object.gettype>)
(AkiraNetwork.VirtualStorageLibrary)
object.MemberwiseClone() (<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)
VirtualDirectoryAdapter<T>
object.ReferenceEquals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)
(AkiraNetwork.VirtualStorageLibrary)
object.ToString() (<https://learn.microsoft.com/dotnet/api/system.object.tostring>)
1.html

Namespace: AkiraNetwork (AkiraNetwork.html).VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)
VirtualException

Assembly

AkiraNetwork.VirtualStorageLibrary

Syntax

```
(AkiraNetwork.VirtualStorageLibrary)  
2.html  
public class VirtualDirectoryAdapter<T>  
    VirtualID  
(AkiraNetwork.VirtualStorageLibrary)
```

Type Parameters

Name	Description
T	The type of item stored in the virtual storage.

1.html

VirtualItem<T>

Constructors

1.html

VirtualNode

VirtualDirectoryAdapter(VirtualStorage<T>)

VirtualNodeContext

Initializes a new instance of the VirtualDirectoryAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter-1.html) class.

VirtualNodeExtensions

1.html

Declaration

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

```
public VirtualDirectoryAdapter(VirtualStorage<T> storage)
```

VirtualnodeName

(AkiraNetwork.VirtualStorageLibrary)

Parameters

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

Type	Name	Description
VirtualStorage (AkiraNetwork.VirtualStorageLibrary.VirtualStorage-1.html) <T>	storage	The virtual storage instance.

▼

Properties

(AkiraNetwork.VirtualStorageLibrary.VirtualStorage-1.html)

this[VirtualPath, bool]

(AkiraNetwork.VirtualStorageLibrary.VirtualStorage-1.html)

Gets the VirtualDirectory corresponding to the specified path.

(AkiraNetwork.VirtualStorageLibrary.VirtualStorage-1.html)

Declaration

PatternMatch

(AkiraNetwork.VirtualStorageLibrary.VirtualStorage-1.html)

virtual VirtualDirectory this[VirtualPath path, bool followLinks = true] { get; set; }

(AkiraNetwork.VirtualStorageLibrary.VirtualStorage-1.html)

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary.VirtualStorage-1.html)

Parameters

(AkiraNetwork.VirtualStorageLibrary.VirtualStorage-1.html)

Type virtualDirectoryAdapter<T>

Type	Name	Description
VirtualPath	path	The path of the directory.
bool	followLinks	A flag indicating whether to follow links.

Property Value

Type	Description
VirtualItem<T>	The VirtualDirectory corresponding to the specified path.

Exceptions

Type	Condition
VirtualNode	Thrown when the node is not a VirtualDirectory.

Extension Methods

VirtualNodeName	GenerateSingleTableDebugText<T>(T)
VirtualTextFormatter	(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utils



(AkiraNetwork.VirtualStorageLibrary
1.html)
IVirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary
PatternMatch
(AkiraNetwork.VirtualStorageLibrary
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary
VirtualDirectoryAdapter<T>
(AkiraNetwork.VirtualStorageLibrary
1.html)
VirtualException
(AkiraNetwork.VirtualStorageLibrary
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary
2.html)
VirtualID
(AkiraNetwork.VirtualStorageLibrary
VirtualItem
(AkiraNetwork.VirtualStorageLibrary
VirtualItemAdapter<T>
(AkiraNetwork.VirtualStorageLibrary
1.html)
VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary
1.html)
VirtualNode
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary
VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary

Class VirtualException

The base class for exceptions that occur within the virtual storage library.

Filter by title

Inheritance

1.html

- ↳ [object](#) (<https://learn.microsoft.com/dotnet/api/system.object>)
- ↳ [VirtualWildcardMatcher](#) ([AkiraNetwork.VirtualStorageLibrary](#))
- ↳ [Exception](#) (<https://learn.microsoft.com/dotnet/api/system.exception>)
- ↳ [VirtualException](#) ([AkiraNetwork.VirtualStorageLibrary](#))
- ↳ [NotifyNodeDelegate](#) ([VirtualNodeNotFoundException](#))
- ↳ [VirtualNodeNotFoundException](#) ([AkiraNetwork.VirtualStorageLibrary](#))
- ↳ [VirtualNodeNotFoundException.html](#) ([PatternMatch](#))

Implements

- ↳ [ISerializable](#) (<https://learn.microsoft.com/dotnet/api/system.runtime.serialization.iserializable>)
- ↳ [\(AkiraNetwork.VirtualStorageLibrary\)](#)

Inherited Members

[VirtualDirectory](#)

- Exception ([AkiraGetBaseException.html](#)) (<https://learn.microsoft.com/dotnet/api/system.exception.getbaseexception>)
- ExceptionType ([AkiraGetType.html](#)) (<https://learn.microsoft.com/dotnet/api/system.exception.gettype>)
- ExceptionToString () ([AkiraToString.html](#)) (<https://learn.microsoft.com/dotnet/api/system.exception.tostring>)
- ExceptionData ([AkiraExceptionData.html](#)) (<https://learn.microsoft.com/dotnet/api/system.exception.data>)
- ExceptionHelpLink ([AkiraHelpLink.html](#)) (<https://learn.microsoft.com/dotnet/api/system.exception.helplink>)
- ExceptionHRESULT ([AkiraHRESULT.html](#)) (https://learn.microsoft.com/dotnet/api/system.exception_hresult)
- ExceptionInnerException ([AkiraInnerException.html](#)) (<https://learn.microsoft.com/dotnet/api/system.exception.innerexception>)
- ExceptionMessage ([AkiraMessage.html](#)) (<https://learn.microsoft.com/dotnet/api/system.exception.message>)
- ExceptionSource ([AkiraSource.html](#)) (<https://learn.microsoft.com/dotnet/api/system.exception.source>)
- ExceptionStackTrace ([AkiraStackTrace.html](#)) (<https://learn.microsoft.com/dotnet/api/system.exception.stacktrace>)
- ExceptionTargetSite ([AkiraTargetSite.html](#)) (<https://learn.microsoft.com/dotnet/api/system.exception.targetsite>)
- ExceptionSerializeObjectState ([AkiraSerializeObjectState.html](#)) (<https://learn.microsoft.com/dotnet/api/system.exception.serializeobjectstate>)
- object ([AkiraObject.html](#)) ([\(https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object\)\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object))
- VirtualItemAdapter < T > ([AkiraVirtualItemAdapter.html](#)) ([\(https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object-system-object\)\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-system-object))
- object ([AkiraObject.html](#)) (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)
- object ([AkiraMemberwiseClone.html](#)) (<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)
- object ([AkiraReferenceEquals.html](#)) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)

Namespace

AkiraNetwork ([AkiraNetwork.html](#)).VirtualStorageLibrary ([AkiraNetwork.VirtualStorageLibrary.html](#))

([AkiraNetwork.VirtualStorageLibrary](#))

Assembly

[VirtualStorageLibrary.dll](#)

[VirtualNodeContext](#)

Syntax

[\(AkiraNetwork.VirtualStorageLibrary\)](#)

[VirtualNodeExtensions](#)

public abstract class VirtualException : Exception, ISerializable

[VirtualNodeListConditions](#)

([AkiraNetwork.VirtualStorageLibrary](#))

[VirtualNodeName](#)

([AkiraNetwork.VirtualStorageLibrary](#))

[VirtualNodeNotFoundException](#)

([AkiraNetwork.VirtualStorageLibrary](#))

VirtualException()

[VirtualNodeType](#)

Constructors

Initializes a new instance of the VirtualException (AkiraNetwork.VirtualStorageLibrary.VirtualException.html) class.

Declaration

```
public VirtualException()
```



VirtualException(string)

IVirtualWildcardMatcher

Initializes a new instance of the VirtualException (AkiraNetwork.VirtualStorageLibrary.VirtualException.html) class with a specified error message.

NotifyNodeDelegate

Declaration

PatternMatch

(AkiraNetwork.VirtualStorageLibrary)

```
public VirtualException(string message)
```

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

Parameters

VirtualDirectory

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary) VirtualDirectoryAdapter<T>		

string (https://learn.microsoft.com/dotnet/api/system.string)

message

The error message.

1.html)

VirtualException

(AkiraNetwork.VirtualStorageLibrary)

VirtualException(string, Exception)

VirtualGroupCondition<T, Key>

Initializes a new instance of the VirtualException (AkiraNetwork.VirtualStorageLibrary.VirtualException.html) class with a specified error message and a reference to the inner exception that is the cause of this exception.

VirtualID

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

```
public VirtualException(string message, Exception innerException)
```

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

Parameters

1.html)

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary) string 1.html) (https://learn.microsoft.com/dotnet/api/system.string)	message	The error message.
Exception (AkiraNetwork.VirtualStorageLibrary) (https://learn.microsoft.com/dotnet/api/system.exception)	innerException	The exception that is the cause of this exception.

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

Implements

ISerializable (https://learn.microsoft.com/dotnet/api/system.runtime.serialization.iserializable)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utils
s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)



1.html)
IVirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary
PatternMatch
(AkiraNetwork.VirtualStorageLibrary
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary
VirtualDirectoryAdapter<T>
(AkiraNetwork.VirtualStorageLibrary
1.html)
VirtualException
(AkiraNetwork.VirtualStorageLibrary
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary
2.html)
VirtualID
(AkiraNetwork.VirtualStorageLibrary
VirtualItem
(AkiraNetwork.VirtualStorageLibrary
VirtualItemAdapter<T>
(AkiraNetwork.VirtualStorageLibrary
1.html)
VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary
1.html)
VirtualNode
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary
VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeType

Class VirtualGroupCondition<T, TKey>

Represents the conditions for grouping data, holding the property to group by and the order (ascending or descending) by title

Inheritance

(AkiraNetwork.VirtualStorageLibrary.VirtualWildcardMatcher)
↳ object (https://learn.microsoft.com/dotnet/api/system.object)
 ↳ NotifyNodeDelegate
 ↳ VirtualGroupCondition<T, TKey>
 (AkiraNetwork.VirtualStorageLibrary)

Inherited Members

(AkiraNetwork.VirtualStorageLibrary.object.Equals(object))
object.Equals(object) (https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object))
(AkiraNetwork.VirtualStorageLibrary.object.Equals(object, object))
object.Equals(object, object) (https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-system-object))
(AkiraNetwork.VirtualStorageLibrary.object.GetHashCode())
object.GetHashCode() (https://learn.microsoft.com/dotnet/api/system.object.gethashcode)
VirtualDirectoryAdapter<T>
object.GetType() (https://learn.microsoft.com/dotnet/api/system.object.gettype)
(AkiraNetwork.VirtualStorageLibrary.object.MemberwiseClone())
object.MemberwiseClone() (https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone)
VirtualException
object.ToString() (https://learn.microsoft.com/dotnet/api/system.object.tostring)
(AkiraNetwork.VirtualStorageLibrary)

Namespace: AkiraNetwork (AkiraNetwork.html).VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

Assembly: AkiraNetwork.VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.dll)

Syntax

```
VirtualID  
(AkiraNetwork.VirtualStorageLibrary.  
public class VirtualGroupCondition<T, TKey>  
VirtualItem  
(AkiraNetwork.VirtualStorageLibrary)
```

Type Parameters

Name	Description
T	VirtualItem<T> The type of the entity to be grouped.
TKey	(AkiraNetwork.VirtualStorageLibrary) The type of the key used for grouping.

Constructors

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext)
VirtualNode
(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition(Expression<Func<T, TKey>>, bool)

(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeListConditions
Initializes a new instance of the VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition-2.html) class with the specified grouping property and order:
VirtualNodeName
(AkiraNetwork.VirtualStorageLibrary)

Declaration
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)

```
public VirtualGroupCondition(Expression<Func<T, TKey>> groupBy, bool ascending = true)
```

Parameters

Type	Name	Description
Expression<Func<T, TKey>> (https://learn.microsoft.com/dotnet/api/system.linq.expressions.expression) Network.VirtualStorageLibrary<Func<T, TKey>> (https://learn.microsoft.com/dotnet/api/system.func-2)<T, TKey> (AkiraNetwork.VirtualStorageLibrary)	groupBy	The property to group by.
bool (https://learn.microsoft.com/dotnet/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary)	ascending	A value indicating whether the grouping order is ascending.

Properties

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html)

Ascending

(AkiraNetwork.VirtualStorageLibrary)

Gets or sets a value indicating whether the grouping order is ascending. True if the order is ascending; otherwise, false.

(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualID

```
public bool Ascending { get; set; }
```

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

Property Value

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html)

bool

VirtualItem<T>
(<https://learn.microsoft.com/dotnet/api/system.boolean>)

(AkiraNetwork.VirtualStorageLibrary)

lean)

1.html)

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

GroupBy

(AkiraNetwork.VirtualStorageLibrary)

Gets the `VirtualNode` expression used for grouping.

(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

```
public Expression<Func<T, TKey>> GroupBy { get; set; }
```

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

Property Value

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

Description

A boolean value indicating whether the grouping order is ascending.

Type	Description
Expression (https://learn.microsoft.com/dotnet/api/system.linq.expressions.expression-1) <Func (https://learn.microsoft.com/dotnet/api/system.func-2)<T, TKey>>	An expression that specifies the property to use for grouping.

Extension Methods

JVirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeDelegatorGenerateSingleTableDebugText<T>(T)
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilities_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectoryAdapter<T>
(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualException
(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary)

2.html)

VirtualID
(AkiraNetwork.VirtualStorageLibrary)

VirtualItem
(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>
(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualNode
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)

VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)

Struct VirtualID

A structure representing a unique identifier within the virtual storage library. This identifier is based on a randomly generated UUID version 4 (UUIDv4). UUIDv4 is a 128-bit value that ensures high uniqueness and has strong cryptographic properties.

(AkiraNetwork.VirtualStorageLibrary)

Notifies node delegate

Implements

(AkiraNetwork.VirtualStorageLibrary)

IEquatable<VirtualID>

(AkiraNetwork.VirtualStorageLibrary)

PatternMatch

(AkiraNetwork.VirtualStorageLibrary)

(AkiraNetwork.VirtualStorageLibrary)

Inherited Members

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

ValueObject<object> (https://learn.microsoft.com/dotnet/api/system.valuetype.equals)

ValueType.GetHashCode() (https://learn.microsoft.com/dotnet/api/system.valuetype.gethashcode)

object.Equals(object) (https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-

equals(system.Object, system.Object))

object.GetType() (https://learn.microsoft.com/dotnet/api/system.object.gettype)

object.ReferenceEquals(object, object) (https://learn.microsoft.com/dotnet/api/system.object.referenceequals)

VirtualException

Namespace: AkiraNetwork (AkiraNetwork.html).VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

(AkiraNetwork.VirtualStorageLibrary)

Assembly: VirtualStorageLibrary.dll

VirtualGroupCondition<T, TKey>

Syntax

(AkiraNetwork.VirtualStorageLibrary)

2.html)

public readonly record struct VirtualID : IEquatable<VirtualID>

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualID0

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

Initializes a new instance of the VirtualID (AkiraNetwork.VirtualStorageLibrary.VirtualID.html) structure, generating

a unique identifier.

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

Name

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

Gets the unique identifier.

(AkiraNetwork.VirtualStorageLibrary)

Declaration

NodeFilter

(AkiraNetwork.VirtualStorageLibrary)

NodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

NodeFilter

```
public Guid ID { get; }
```

Property Value

Type	Description
Guid (https://learn.microsoft.com/dotnet/api/system.guid) NotifyNodeDelegate	A Guid (https://learn.microsoft.com/dotnet/api/system.guid) value representing the unique identifier.

Methods

`ToString()`

Returns a string representation of this instance's unique identifier.
(<https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualID.ToString>)

Declaration

```
public override string ToString()  
VirtualGroupCondition<T, TKey>  
(AkiraNetwork.VirtualStorageLibrary)
```

Returns

Type	Description
VirtualID (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualID) string (https://learn.microsoft.com/dotnet/api/system.string) (AkiraNetwork.VirtualStorageLibrary)	A string that represents the unique identifier.

Overrides

`Value Type.ToString()` (<https://learn.microsoft.com/dotnet/api/system.valuetype.tostring>)
(<https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition.ToString>)

Implements

`IEquatable<T>` (<https://learn.microsoft.com/dotnet/api/system.iequatable-1>)
VirtualNode
(<https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualNode>)

Extension Methods

`VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)`
(https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilsitie)
`s_VirtualTextFormatter.GenerateSingleTableDebugText_1__0_`
VirtualNodeListConditions
(<https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions>)
VirtualStorageLibrary
VirtualNodeName
(<https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualNodeName>)
VirtualNodeNotFoundException
(<https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException>)
VirtualNodeType
(<https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualNodeType>)
VirtualNodeTypeFilter
(<https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter>)

Class VirtualItem

Represents a virtual item. This class serves as the base class for the `VirtualItem<T>`

([AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html](#)) type and is used solely for type checking of `VirtualItem` ([AkiraNetwork.VirtualStorageLibrary.VirtualItem.html](#)).

([AkiraNetwork.VirtualStorageLibrary](#))

Inheritance

([AkiraNetwork.VirtualStorageLibrary](#))

↳ `object` (<https://learn.microsoft.com/dotnet/api/system.object>)

↳ `VirtualNode` ([AkiraNetwork.VirtualStorageLibrary.VirtualNode.html](#))

↳ `VirtualItem`

↳ `VirtualCycledDetector`

↳ `VirtualItem` ([AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html](#)) <`T`>

Implements

([AkiraNetwork.VirtualStorageLibrary](#))

`IVirtualDeepCloneable` ([AkiraNetwork.VirtualStorageLibrary.IVirtualDeepCloneable-1.html](#)) <`VirtualNode`

↳ `VirtualDirectoryAdapter<T>`

([AkiraNetwork.VirtualStorageLibrary.VirtualNode.html](#)) >

Inherited Members

1.html)

`VirtualException`

([AkiraNetwork.VirtualStorageLibrary](#))

`VirtualGroupCondition<T, TKey>`

([AkiraNetwork.VirtualStorageLibrary](#))

↳ `VirtualNode` ([VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_CreatedDate_2.html](#))

`VirtualUpdatedDate`

([AkiraNetwork.VirtualStorageLibrary](#))

`DateVirtualItem`

([AkiraNetwork.VirtualStorageLibrary](#))

`VirtualNodeAdapter<T>`

([AkiraNetwork.VirtualStorageLibrary](#))

↳ `VirtualNode` ([VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_NodeType](#))

e) ([AkiraNetwork.VirtualStorageLibrary](#))

`VirtualNode.VID`

([AkiraNetwork.VirtualStorageLibrary](#))

`VirtualUpdateVirtualStorage`

([AkiraNetwork.VirtualStorageLibrary](#))

↳ `VirtualNode` ([VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_Update_AkiraNetwork_VirtualStorageLibrary_VirtualNode_](#))

`VirtualNodeReference`

([AkiraNetwork.VirtualStorageLibrary](#))

`VirtualNodeIsReferenced`

([AkiraNetwork.VirtualStorageLibrary](#))

`VirtualNodeExtensions` ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object-system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-system-object)))

([AkiraNetwork.VirtualStorageLibrary](#))

`VirtualNodeObject`

([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object-system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-system-object)))

([AkiraNetwork.VirtualStorageLibrary](#))

`VirtualHashCode` (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)

([AkiraNetwork.VirtualStorageLibrary](#))

`VirtualGetType` (<https://learn.microsoft.com/dotnet/api/system.object.gettype>)

([AkiraNetwork.VirtualStorageLibrary](#))

`VirtualMemberClone` (<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)

([AkiraNetwork.VirtualStorageLibrary](#))

`VirtualReferenceEquals` (<https://learn.microsoft.com/dotnet/api/system.object.referenceeequals>)

([AkiraNetwork.VirtualStorageLibrary](#))

`VirtualToString` (<https://learn.microsoft.com/dotnet/api/system.object.tostring>)

([AkiraNetwork.VirtualStorageLibrary](#))

Namespace: [AkiraNetwork](#) ([AkiraNetwork.html](#)).VirtualStorageLibrary ([AkiraNetwork.VirtualStorageLibrary.html](#))

`VirtualNodeTypeFilter`

Syntax

```
public abstract class VirtualItem : VirtualNode, IVirtualDeepCloneable<VirtualNode>
```



Constructors

(AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate

VirtualItem(VirtualNodeName)

PatternMatch

Initializes a new instance of the VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html) class.

(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory

```
protected VirtualItem(VirtualNodeName name)
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectoryAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html)

Type VirtualException

(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

2.html)

VirtualItem(VirtualNodeName, DateTime)

(AkiraNetwork.VirtualStorageLibrary)

Initializes a new instance of the VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html) class.

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>

```
protected VirtualItem(VirtualNodeName name, DateTime createdDate)
```

1.html)

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

Type 1.html)

VirtualNode

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

DateOnly (<https://learn.microsoft.com/dotnet/api/system.datetime>)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

VirtualItem(VirtualNodeName, DateTime, DateTime)

(AkiraNetwork.VirtualStorageLibrary)

Initializes a new instance of the VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html) class.

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

Type	Name	Description
VirtualException	name	The name of the item.

Type	Name	Description
VirtualException	name	The name of the item.
VirtualGroupCondition<T, TKey>	createdDate	The creation date of the item.
VirtualItem<T>		
VirtualNode		
VirtualNodeName		
VirtualNodeContext		
VirtualNodeExtensions		
VirtualNodeListConditions		
VirtualNodeName		

VirtualItem(VirtualNodeName, DateTime, DateTime, DateTime)

(AkiraNetwork.VirtualStorageLibrary)

Initializes a new instance of the VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html) class.

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

```
protected VirtualItem(VirtualNodeName name, DateTime createdDate, DateTime updatedDate)
```

Parameters

Type		Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)		<i>name</i>	The name of the item.
NotifyNodeDelegate DateTime (AkiraNetwork.VirtualStorageLibrary (https://learn.microsoft.com/dotnet/api/system.datetime) PatternMatch		<i>createdDate</i>	The creation date of the item.
DateTime (AkiraNetwork.VirtualStorageLibrary (https://learn.microsoft.com/dotnet/api/system.datetime)		<i>updatedDate</i>	The last update date of the item.

Methods

DeepClone(bool)
(AkiraNetwork.VirtualStorageLibrary

Creates a deep copy of the item. If the data of type T held by the item implements the IVirtualDeepCloneable<T> (AkiraNetwork.VirtualStorageLibrary.VirtualDeepCloneable-1.html) interface, the DeepClone method of the data type is called.

VirtualID
Declaration:

(AkiraNetwork.VirtualStorageLibrary

VirtualItem

```
public override abstract VirtualNode DeepClone(bool recursive = false)
```

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary

Parameters

Type		Name	Description
VirtualItem<T> bool (AkiraNetwork.VirtualStorageLibrary (https://learn.microsoft.com/dotnet/api/system.boolean)		<i>recursive</i>	In the case of items, this parameter is ignored.

Returns

VirtualNodeContext

Type	Description
AkiraNetwork.VirtualStorageLibrary	

VirtualNodeExtensions

VirtualNode
(AkiraNetwork.VirtualStorageLibrary

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions

INode.html)

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeDeepClone(bool)

VirtualNodeDeepCloneException
(AkiraNetwork.VirtualStorageLibrary

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_DeepClon

e_System_Boolean)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeTypeFilter

Implements

IVirtualDeepCloneable<T> (AkiraNetwork.VirtualStorageLibrary.IVirtualDeepCloneable-1.html)

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilsilie
s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)
NotifyNodeDelegate
VirtualNodeExtensions.ResolveNodeType(VirtualNode)
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode
Extensions_ResolveNodeType_AkiraNetwork_VirtualStorageLibrary_VirtualNode_)
(AkiraNetwork.VirtualStorageLibrar
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector.html#AkiraNetwork_VirtualStorageLibrary_VirtualCyc
eDetector)
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html#AkiraNetwork_VirtualStorageLibrary_VirtualDir
ectory)
VirtualDirectoryAdapter<T>
(AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter.html#AkiraNetwork_VirtualStorageLibrary_Virt
ualDirectoryAdapter_1.html)
VirtualException
(AkiraNetwork.VirtualStorageLibrary.VirtualException.html#AkiraNetwork_VirtualStorageLibrary_Virt
ualException)
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition.html#AkiraNetwork_VirtualStorageLibrary_Virt
ualGroupCondition_2.html)
VirtualID
(AkiraNetwork.VirtualStorageLibrary.VirtualID.html#AkiraNetwork_VirtualStorageLibrary_Virt
ualID)
VirtualItem
(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html#AkiraNetwork_VirtualStorageLibrary_Virt
ualItem)
VirtualItemAdapter<T>
(AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter.html#AkiraNetwork_VirtualStorageLibrary_Virt
ualItemAdapter_1.html)
VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary.VirtualItemT.html#AkiraNetwork_VirtualStorageLibrary_Virt
ualItemT_1.html)
VirtualNode
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_Virt
ualNode)
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html#AkiraNetwork_VirtualStorageLibrary_Virt
ualNodeContext)
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_Virt
ualNodeExtensions)
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions.html#AkiraNetwork_VirtualStorageLibrary_V
irtualNodeListConditions)
VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html#AkiraNetwork_VirtualStorageLibrary_Virt
ualnodeName)
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html#AkiraNetwork_VirtualStorageLibrary_V
irtualNodeNotFoundException)
VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html#AkiraNetwork_VirtualStorageLibrary_Virt
ualNodeType)
VirtualNodeTypeFilter

Class VirtualItemAdapter<T>

Adapter class to simplify operations on virtual items. Reduces the need for casting and simplifies code, allowing users to easily manage specific node types.

Inheritance

NotifyNodeDelegate

↳ object (<https://learn.microsoft.com/dotnet/api/system.object>)
↳ AkiraNetwork.VirtualStorageLibrary

↳ VirtualItemAdapter<T>

PatternMatch

Inherited Members

VirtualCycleDetector

object.Equals(object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object)))
↳ AkiraNetwork.VirtualStorageLibrary

VirtualDirectory

object.Equals(object, object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object-system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-system-object)))
↳ VirtualDirectoryAdapter<T>

object.GetHashCode() (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)

object.GetType() (<https://learn.microsoft.com/dotnet/api/system.object.gettype>)
↳ 1.html

object.MemberwiseClone() (<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)

object.ReferenceEquals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)
↳ AkiraNetwork.VirtualStorageLibrary

object.ToString() (<https://learn.microsoft.com/dotnet/api/system.object.tostring>)
↳ VirtualGroupCondition<T, TKey>

Namespace

AkiraNetwork.AkiraNetwork.html.VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

Assembly

VirtualStorageLibrary.dll

Syntax

VirtualID

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

public class VirtualItemAdapter<T>
(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>

Type

AkiraNetwork.VirtualStorageLibrary

Name	Description
T	The type of item stored in the virtual storage. 1.html

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeFilter

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

public VirtualItemAdapter(VirtualStorage<T> storage)
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Constructors

VirtualItemAdapter(VirtualStorage<T>)

(AkiraNetwork.VirtualStorageLibrary)

Initializes a new instance of the VirtualItemAdapter<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter-

1.html)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

public VirtualItemAdapter(VirtualStorage<T> storage)
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Parameters

Type	Name	Description
VirtualStorage (AkiraNetwork.VirtualStorageLibrary.VirtualStorage-1.html) <T>	<i>storage</i>	The virtual storage instance.

1

Properties

VirtualNetwork.VirtualStorageLibrary

NotifyNodeDelegate

(AkiraNetwork.VirtualStorageLibrary
VirtualPath hash)

PatternMatch

(AkiraNetwork.VirtualStorageLibrary) Gets or sets the virtual item corresponding to the specified path.

VirtualCycleDetector

Declaration

Virtueller Director

VirtualD

```
public virtual void SetVirtualPath(string virtualPath, bool followLinks = true) { get; set; }
```

VirtualDirectoryAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

Parameters

Mit - 15

Type	Name	Description
<code>virtualException</code> (AkiraNetwork.VirtualStorageLibrary.VirtualPath VirtualPath VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<code>path</code>	The path of the item.
<code>bool.html</code> (https://learn.microsoft.com/dotnet/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<code>followLinks</code>	A flag indicating whether to follow links.

VirtualItem Property Value

(AkiraNetwork VirtualStorage library)

Type	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter<T>)	
(AkiraNetwork.VirtualStorageLibrary.VirtualItem<T>)	The VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)
<T>(AkiraNetwork.VirtualStorageLibrary.VirtualItem<T>.html)	corresponding to the specified path.

- VirtualNode

AkiraNetwork VirtualStorage Library

Type	Condition
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext)	
(AkiraNetwork.VirtualStorageLibrary.InvalidOperationException)	Thrown when the node is not a VirtualItem<T>
(https://learn.microsoft.com/dotnet/api/system.invalidoperationexception)	(AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)	
(AkiraNetwork.VirtualStorageLibrary.VirtualStorageLibrary)	

Extension Methods

(AkiraNetwork.VirtualStorage
VirtualNetworkProtocolExtensions)

(Ali, Naseem & Majeed, 1991)

(AkiraNetwork Virtual Storage Library)
qualTextFormatter.GenerateSingleTab

VirtualNodeType
raNetwork.VirtualStorageLibrary.Util

(AkiraNetwork VirtualStorage Library)
VirtualVolumeFormatter generated by Sinfonia

VirtualNodeTypeFilter

▼

(AkiraNetwork.VirtualStorageLibrary)
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary)
PatternMatch
(AkiraNetwork.VirtualStorageLibrary)
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary)
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary)
VirtualDirectoryAdapter<T>
(AkiraNetwork.VirtualStorageLibrary)
1.html)
VirtualException
(AkiraNetwork.VirtualStorageLibrary)
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary)
2.html)
VirtualID
(AkiraNetwork.VirtualStorageLibrary)
VirtualItem
(AkiraNetwork.VirtualStorageLibrary)
VirtualItemAdapter<T>
(AkiraNetwork.VirtualStorageLibrary)
1.html)
VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary)
1.html)
VirtualNode
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)
VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeTypeFilter

Class VirtualItem<T>

Represents a virtual item. A virtual item is an object used to manage item data within the virtual storage. It holds item data based on the user-defined type T, facilitating the management and manipulation of various types of content.

(AkiraNetwork.VirtualStorageLibrary)
Virtual items ensure that the actual data is distinctly present. If the user-defined type T implements the IVirtualNotifyNodeDelegate
DeepCloneable<T> (AkiraNetwork.VirtualStorageLibrary.IVirtualDeepCloneable-1.html) interface, a deep clone of
the item data is created, ensuring separate instances. If this interface is not implemented, shallow copies may
result in multiple virtual items referencing the same instance of the item data.
(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector

Inheritance (AkiraNetwork.VirtualStorageLibrary)

↳ object (<https://learn.microsoft.com/dotnet/api/system.object>)
↳ VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)
↳ VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)
(AkiraNetwork.VirtualStorageLibrary)
↳ VirtualItem<T>
1.html)

Implements

VirtualException
IVirtualDeepCloneable (AkiraNetwork.VirtualStorageLibrary.IVirtualDeepCloneable-1.html) <VirtualNode
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)>
IDisposable (<https://learn.microsoft.com/dotnet/api/system.idisposable>)
2.html)

Inherited Members

VirtualID
VirtualNode.Name
(AkiraNetwork.VirtualStorageLibrary)
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_Name)
VirtualItem
VirtualNode.CreatedDate
(AkiraNetwork.VirtualStorageLibrary)
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_CreatedDate)
VirtualItemAdapter<T>
(AkiraNetwork.VirtualStorageLibrary)
VirtualNode.UpdatedDate
1.html)
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_UpdatedDate)
VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary)
VirtualNode.VID
VirtualNode
VirtualNode.IsReferencedInStorage
(AkiraNetwork.VirtualStorageLibrary)
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_IsReferencedInStorage)
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary)
object.Equals(object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object)))
(AkiraNetwork.VirtualStorageLibrary)
object.Equals(object, object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object-system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-system-object)))
(AkiraNetwork.VirtualStorageLibrary)
object.GetHashCode() (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)
VirtualNodeName
object.GetType() (<https://learn.microsoft.com/dotnet/api/system.object.gettype>)
(AkiraNetwork.VirtualStorageLibrary)
object.MemberwiseClone() (<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)
VirtualNodeNotFoundException
object.ReferenceEquals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)
(AkiraNetwork.VirtualStorageLibrary)

Namespace AkiraNetwork (AkiraNetwork.html).VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

Assembly AkiraNetwork.VirtualStorageLibrary

VirtualNodeTypeFilter

Syntax

```
public class VirtualItem<T> : VirtualItem, IVirtualDeepCloneable<VirtualNode>, IDisposable
```

Type Parameters

Name	Description
T	(AkiraNetwork.VirtualStorageLibrary) The user-defined type library can be freely specified by the user of this library.

NotifyNodeDelegate

(AkiraNetwork.VirtualStorageLibrary)

PatternMatch

(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory

Initializes a new instance of the VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) class. The node name is automatically generated by the GenerateNodeName(string)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeName_GenerateNodeName_System_String_) method.

VirtualException

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>

public VirtualItem()

(AkiraNetwork.VirtualStorageLibrary)

2.html)

VirtualID

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem(VirtualNodeName)

VirtualItem

Initializes a new instance of the VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) class.

VirtualItemAdapter<T>

Declaration

(AkiraNetwork.VirtualStorageLibrary)

1.html)

public VirtualItem(VirtualNodeName name)

(AkiraNetwork.VirtualStorageLibrary)

1.html)

Parameters

VirtualNode

Type

(AkiraNetwork.VirtualStorageLibrary)

Name

Description

VirtualNodeContext

VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

name

The name of the item.

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem(VirtualNodeName, T?)

(AkiraNetwork.VirtualStorageLibrary)

Initializes a new instance of the VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) class.

VirtualNodeName

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

public VirtualItem(VirtualNodeName name, T? itemData)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Type	Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	<i>name</i>	The name of the item.
T ▼	<i>itemData</i>	The data associated with this item. It is user-defined and can hold any type of data.

VirtualItem(VirtualNodeName, T?, DateTime)

PatternMatch

Initializes a new instance of the VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) class.

VirtualCycleDetector

Declaration
(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory

public VirtualItem(VirtualNodeName name, T? itemData, DateTime createdDate)

VirtualDirectoryAdapter<T>

Parameters
1.html)

Type	Name	Description
VirtualException (AkiraNetwork.VirtualStorageLibrary)		
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	<i>name</i>	The name of the item.
VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)		

T VirtualID

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

DateTime
(AkiraNetwork.VirtualStorageLibrary)

(https://learn.microsoft.com/dotnet/api/system.datetime)
VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualItem<T>

VirtualItem(VirtualNodeName, T?, DateTime, DateTime)

1.html)

Initializes a new instance of the VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) class.

VirtualNode

Declaration
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

public VirtualItem(VirtualNodeName name, T? itemData, DateTime createdDate, DateTime updatedDate)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

Parameters
1.html)

Type	Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary)		
VirtualNodeNotFoundException (AkiraNetwork.VirtualStorageLibrary)	<i>name</i>	The name of the item.

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Type	Name	Description
T	<i>itemData</i>	The data associated with this item. It is user-defined and can hold any type of data.
DateTime (https://learn.microsoft.com/dotnet/api/system.datetime)	<i>createdDate</i>	The creation date of the item.
DateTime NotifyNodeDelegate (https://learn.microsoft.com/dotnet/api/system.datetime) PatternMatch (AkiraNetwork.VirtualStorageLibrary.VirtualNodeDelegate.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeDelegate_PatternMatch) VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector.html)	<i>updatedDate</i>	The last update date of the item.

Properties

ItemData
(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html#AkiraNetwork_VirtualStorageLibrary_VirtualItem_ItemData)

Gets or sets the data associated with this item. This value can be null.
VirtualException

Declaration
(AkiraNetwork.VirtualStorageLibrary.VirtualItemCondition.html#AkiraNetwork_VirtualStorageLibrary_VirtualItemCondition_Declaration)
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition.html#AkiraNetwork_VirtualStorageLibrary_VirtualGroupCondition_Declaration)

VirtualID
PropertyValue
(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html#AkiraNetwork_VirtualStorageLibrary_VirtualItem_PropertyValue)

Type	Description
T	(AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter.html#AkiraNetwork_VirtualStorageLibrary_VirtualItemAdapter_Declaration) VirtualItemAdapter<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter.html#AkiraNetwork_VirtualStorageLibrary_VirtualItemAdapter_Declaration)

NodeType
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeType_Declaration)

Gets the type of the node.

Declaration
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeType_Declaration)
VirtualNodeContext
public override VirtualNodeType NodeType { get; }
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeType_Declaration)
VirtualNodeExtensions

PropertyValue
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeName_Declaration)

Type	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeType_Declaration)	(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeName_Declaration)

Overrides
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeType_OVERRIDES)
VirtualNode.NodeType
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_NodeType)
VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeTypeFilter_OVERRIDES)

Methods

DeepClone(bool)

Creates a deep clone of this item.

Declaration

```
(AkiraNetwork.VirtualStorageLibrary.  
VirtualNodeDelegate VirtualNode DeepClone(bool recursive = false))
```

Parameters

Type	Name	Description
virtualCycleDetector		
bool	recursive	If true, perform a deep clone recursively.

VirtualDirectoryAdapter<T>

Returns
(AkiraNetwork.VirtualStorageLibrary.

Type	Description
VirtualException	A deep clone of the current item as a VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html).

Overrides

VirtualDeepClone(bool)
(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html#AkiraNetwork_VirtualStorageLibrary_VirtualItem_DeepClone_1.html)

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary.

Dispose()

VirtualItem<T>
Releases the resources used by the VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html).
(AkiraNetwork.VirtualStorageLibrary.

Declaration

```
VirtualNode  
public void Dispose()  
VirtualNodeContext  
(AkiraNetwork.VirtualStorageLibrary.  
VirtualNodeExtensions
```

Dispose(bool)

VirtualNodeListConditions
Releases the unmanaged resources used by the VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) and optionally releases the managed resources.

(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeNotFoundException

```
(AkiraNetwork.VirtualStorageLibrary.  
VirtualNodeTypeFilter  
protected virtual void Dispose(bool disposing))
```

(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeTypeFilter

Parameters

Type	Name	Description
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	<i>disposing</i>	true to release both managed and unmanaged resources; false to release only unmanaged resources.

▼

~VirtualItem()

NotifyNodeDelegate
Finalizer for the VirtualItem<T> ([AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html](#)) class.
([AkiraNetwork.VirtualStorageLibrary](#))

Declaration

```
(AkiraNetwork.VirtualStorageLibrary)
VirtualCycleDetector
protected VirtualItem()
(AkiraNetwork.VirtualStorageLibrary)
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary)
VirtualDirectoryAdapter<T>
(AkiraNetwork.VirtualStorageLibrary)
```

Tostring()

VirtualException
Declaration
([AkiraNetwork.VirtualStorageLibrary](#))

VirtualGroupCondition<T, TKey>
public override string ToString()
(AkiraNetwork.VirtualStorageLibrary)
2.html)

Returns

VirtualID
([AkiraNetwork.VirtualStorageLibrary](#))
Type
VirtualItem
([AkiraNetwork.VirtualStorageLibrary](#))

Description

A string that represents the current object.

Overrides
1.html)
object.ToString() ([https://learn.microsoft.com/dotnet/api/system.object.tostring](#))

VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary)
1.html)

Update(VirtualNode)

VirtualNode

Updates the specified node's data.

VirtualNodeContext
Declaration
([AkiraNetwork.VirtualStorageLibrary](#))

```
VirtualNodeExtensions
public override void Update(VirtualNode node)
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeListConditions
```

Parameters
VirtualNodeName

Type
([AkiraNetwork.VirtualStorageLibrary](#))

Name

Description

VirtualNodeNotFoundException
([AkiraNetwork.VirtualStorageLibrary](#))

node

The node containing the data to update.

VirtualNodeType
([AkiraNetwork.VirtualStorageLibrary](#))

Overrides
VirtualNodeTypeFilter

`VirtualNode.Update(VirtualNode)
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_Update_AkiraNetwork_VirtualStorageLibrary_VirtualNode_)`

Exceptions

Type		Condition
ArgumentException (https://learn.microsoft.com/dotnet/api/system.argumentexception)	AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate	Thrown if the specified node is not of the same type as the current item.

Operators

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

implicit operator VirtualItem<T>(VirtualNodeName)

(AkiraNetwork.VirtualStorageLibrary)

Implicitly converts the specified node name to a VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) :: Netw::VirtualStorageLibrary

(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualException

(AkiraNetwork.VirtualStorageLibrary)

```
public static implicit operator  
VirtualGroupCondition<T, TKey>
```

Parameters

Type	VirtualID (AkiraNetwork.VirtualStorageLibrary)	Name	Description
VirtualNodeName	(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	<i>name</i>	The name of the node.

Return VirtualItemAdapter<T>

implicit operator VirtualItem<T>((VirtualNodeName nodeName, T? itemData))

Converts a tuple (nodeName, itemData) to a VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)
VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

Declaration *NodeName*

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

public static Importer operator<
of AkiraNetwork VirtualStorageLibrary

VirtualM

`VirtualNode type`
(AkiraNetwork VirtualStorage library)

Parameters `GetVirtualNodesTypeFilter`

VirtualNode type filter

Type	Name	Description
(VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) nodeName (https://learn.microsoft.com/dotnet/api/system.valuetuple-akiranetwork.virtualstoragelibrary.virtualnodename,-0-.nodename) , T itemData (https://learn.microsoft.com/dotnet/api/system.valuetuple-akiranetwork.virtualstoragelibrary.virtualnodename,-0-.itemdata)) (AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate)	tuple	A tuple containing the node name and item data.

Returns
PatternMatch

Type	Description
AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory Item-1.html) <T> (AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)	A VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) initialized with the specified values.

implicit operator VirtualItem<T>(T?)

(AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey>
Implicitly converts the specified data of type T to a VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html). The node name is automatically generated by the
GenerateNodeName(string
2.html)
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeName_GenerateNodeName_System_String_) method.
(AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)

Declaration
(AkiraNetwork.VirtualStorageLibrary.VirtualItem
VirtualItemAdapter<T>

```
public static implicit operator VirtualItem<T>(T? itemData)
(AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)
```

Parameters
item<T>

Type	Name	Description
T	VirtualNode	The data associated with this item. It is user-defined and can hold any type of data. (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)

Returns
VirtualNodeContext

Type	Description
VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) <T>VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName-1.html)	A VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) initialized with the specified data.

Implements
VirtualNodeMetadatable
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType
VirtualNodeNotNotFoundException
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType-1.html)

IVirtualDeepCloneable (AkiraNetwork.VirtualStorageLibrary.IVirtualDeepCloneable-1.html)
IDisposable (https://learn.microsoft.com/dotnet/api/system.idisposable)

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilitie
s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)
VirtualNodeExtensions.ResolveNodeType(VirtualNode)
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode
Extensions_ResolveNodeType_AkiraNetwork_VirtualStorageLibrary_VirtualNode_)
(AkiraNetwork.VirtualStorageLibrary.
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary.
PatternMatch
(AkiraNetwork.VirtualStorageLibrary.
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary.
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary.
VirtualDirectoryAdapter<T>
(AkiraNetwork.VirtualStorageLibrary.
1.html)
VirtualException
(AkiraNetwork.VirtualStorageLibrary.
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary.
2.html)
VirtualID
(AkiraNetwork.VirtualStorageLibrary.
VirtualItem
(AkiraNetwork.VirtualStorageLibrary.
VirtualItemAdapter<T>
(AkiraNetwork.VirtualStorageLibrary.
1.html)
VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary.
1.html)
VirtualNode
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary.
VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeTypeFilter

Class VirtualNode

Represents an abstract class for nodes.

Filter by title

Inheritance

(AkiraNetwork.VirtualStorageLibrary)
↳ object (<https://learn.microsoft.com/dotnet/api/system.object>)
 ↳ NotifyNodeDelegate
 ↳ VirtualNode
 ↳ AkiraNetwork.VirtualStorageLibrary
 ↳ VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)
 ↳ VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)
 ↳ VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)
 ↳ VirtualCycleDetector

Implements

IVirtualDeepCloneable ([AkiraNetwork.VirtualStorageLibrary.IVirtualDeepCloneable-1.html](#)) <VirtualNode>
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)
 ↳ VirtualDirectoryAdapter<T>

Inherited Members

(AkiraNetwork.VirtualStorageLibrary)
object.Equals(object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-object)))
VirtualException
object.Equals(object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-object)))
VirtualGroupCondition<TKey>
object.GetHashCode () (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)
object.GetType () (<https://learn.microsoft.com/dotnet/api/system.object.gettype>)
object.MemberwiseClone () (<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)
object.ReferenceEquals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)
object.ToString () (<https://learn.microsoft.com/dotnet/api/system.object.tostring>)

Namespace: AkiraNetwork ([AkiraNetwork.html](#)).VirtualStorageLibrary ([AkiraNetwork.VirtualStorageLibrary.html](#))
VirtualItemAdapter<T>

Assembly: VirtualStorageLibrary.dll
(AkiraNetwork.VirtualStorageLibrary)

Syntax

[.html](#)
VirtualItem<T>
public class VirtualNode : IVirtualDeepCloneable<VirtualNode>
1.html

VirtualNode
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary)

VirtualNode(VirtualNodeName)

(AkiraNetwork.VirtualStorageLibrary)
VirtualNode<T> Condition
Initializes a new instance of the VirtualNode ([AkiraNetwork.VirtualStorageLibrary.VirtualNode.html](#)) class.
(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualNodeName
(AkiraNetwork.VirtualStorageLibrary)
protected NodeNotFoundException VirtualNodeName(name)
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeTypeFilter

Type	Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	name	The name of node.

VirtualNode(VirtualNodeName, DateTime)

Initializes a new instance of the VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html) class.
 (AkiraNetwork.VirtualStorageLibrary)

Declaration

```
(AkiraNetwork.VirtualStorageLibrary)
protected VirtualNode(VirtualNodeName name, DateTime createdDate)
(AkiraNetwork.VirtualStorageLibrary)
  VirtualCycleDetector
```

Parameters

Type	VirtualDirectoryName (AkiraNetwork.VirtualStorageLibrary)	Name	Description
VirtualDirectoryName	VirtualDirectoryNameAdapter<T> (AkiraNetwork.VirtualStorageLibrary)	name	The name of node.
DateTime	DateTime (https://learn.microsoft.com/dotnet/api/system.datetime) VirtualException (AkiraNetwork.VirtualStorageLibrary)	createdDate	The created date of node.

VirtualGroupCondition<T, TKey>	(AkiraNetwork.VirtualStorageLibrary)
--------------------------------	--------------------------------------

VirtualNode(VirtualNodeName, DateTime, DateTime)

VirtualID
 Initializes a new instance of the VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html) class.
 (AkiraNetwork.VirtualStorageLibrary)

Declaration

```
(AkiraNetwork.VirtualStorageLibrary)
VirtualItemAdapter<T>
protected VirtualNode(VirtualNodeName name, DateTime createdDate, DateTime updatedDate)
(AkiraNetwork.VirtualStorageLibrary)
  1.html)
```

Parameters

Type	(AkiraNetwork.VirtualStorageLibrary)	Name	Description
VirtualDirectoryName	VirtualDirectoryNameAdapter<T> (AkiraNetwork.VirtualStorageLibrary)	name	The name of node.
VirtualNodeContext	DateTime (https://learn.microsoft.com/dotnet/api/system.datetime) (AkiraNetwork.VirtualStorageLibrary)	createdDate	The created date of node.
VirtualNodeExtensions	VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary)	updatedDate	The updated date of node.

Properties

CreatedDate	(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeType	(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeTypeFilter	(AkiraNetwork.VirtualStorageLibrary)


```
public abstract VirtualNodeType NodeType { get; }
```

Property Value

Type	Description
VirtualNodeType (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html) (AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate (AkiraNetwork.VirtualStorageLibrary.PatternMatch (AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector Gets the updated date of the node. This date represents the last time the node was modified. It is set to the current date and time at the moment of instantiation or cloning. (AkiraNetwork.VirtualStorageLibrary.VirtualException VirtualDirectory Adapter UpdatedDate { get; } (AkiraNetwork.VirtualStorageLibrary.VirtualException 1.html)	

UpdatedDate

Gets the updated date of the node. This date represents the last time the node was modified. It is set to the current date and time at the moment of instantiation or cloning.

(AkiraNetwork.VirtualStorageLibrary.VirtualException
VirtualDirectory Adapter UpdatedDate { get; }
(AkiraNetwork.VirtualStorageLibrary.VirtualException
1.html)

Property Value

Type	Description
AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey> DateTime (https://learn.microsoft.com/dotnet/api/system.datetime) (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition 2.html)	

VirtualID

(AkiraNetwork.VirtualStorageLibrary.VirtualItem
Gets the VID of node
(AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter<T>
(AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter
1.html)

public VirtualID VID { get; }
VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary.VirtualItem
1.html)

Property Value

Type	Description
VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode VirtualData (AkiraNetwork.VirtualStorageLibrary.VirtualStorageLibrary.VirtualID.html) (AkiraNetwork.VirtualStorageLibrary.VirtualNode VirtualNodeExtensions (AkiraNetwork.VirtualStorageLibrary.VirtualNode VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary.VirtualNode VirtualnodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNode VirtualNodeNotFoundException (AkiraNetwork.VirtualStorageLibrary.VirtualNode Creates a deep clone of the VirtualStorageLibrary. However, the CreatedDate and UpdatedDate should not be cloned as they are set to VirtualNode date and time at the time of cloning. (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter VirtualNodeType	

Methods

DeepClone(bool)

Creates a deep clone of the VirtualStorageLibrary. However, the CreatedDate and UpdatedDate should not be cloned as they are set to VirtualNode date and time at the time of cloning.

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter
VirtualNodeType

```
public abstract VirtualNode DeepClone(bool recursive = false)
```

Parameters

Type	Name	Description
bool <small>(http://schemas.microsoft.com/2002/10/links/urn:nbn:de:hbz:5:1-1000000000)</small>	recursive <small>(http://schemas.microsoft.com/2002/10/links/urn:nbn:de:hbz:5:1-1000000001)</small>	When true, all child nodes are also cloned, creating a deep copy of the entire virtual storage tree. The default is false. The CreatedDate and UpdatedDate properties are not often used by delegates. <small>(http://schemas.microsoft.com/2002/10/links/urn:nbn:de:hbz:5:1-1000000002)</small> They are set to the current date and time at the moment of system initiation or cloning.

PatternMatch

Returns AkiraNetwork.VirtualStorageLibrary.

Type	Description
VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary)	
VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)\VirtualDirectoryAdapter<T> (AkiraNetwork.VirtualStorageLibrary)	Cloned VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html) instance

Update(VirtualNode)

Updates the VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html).
[3.html](#)

Declaring a variable

(AkiraNetwork VirtualStorage) library

```
public abstract void Update(VirtualNode node)  
(AkiraNetwork VirtualStorage library)
```

VirtuallItemAdapter<T>

Parameters

(AKillarNetwork.VirtualStorageLibrary

Type	Name	Description
VirtualItem<T>		
VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html) (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)	node	Value to update

1.html)

VirtualNode

Implementations

VirtualNodeContext

ualDeepCloneable< T>
(AkiraNetwork.Virtua

VirtualNodeExtensions

VirtuallNodeExtensions

Extension Methods

`VirtualTextFormatter`, `GenerateString`

(AkiraNetwork.VirtualStorageLibrary) (AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextForm

```
VirtualNodeName VirtualTextFormatter.GenerateSingleTableDebugText 1 0 )
```

`VirtualStorageLibrary` (AkiraNetwork.VirtualStorageLibrary)
`VirtualNodeExtensions.ResolveNodeTypes(VirtualNode)`

`ua.NodeExtensions.ResolveNode type VirtualNodeNotFoundException`

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtens

(AkiraNetwork.VirtualStorageLibraryensions.ResolveNodeType_AkiraNetw

Extensions\ResolveNodeType_AkiraNetwork_virtualstorageLibrary_virtualNode_

(AkiraNetwork Vir

VirtualNodeTypeFilter

▼

(AkiraNetwork.VirtualStorageLibrary)
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary)
PatternMatch
(AkiraNetwork.VirtualStorageLibrary)
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary)
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary)
VirtualDirectoryAdapter<T>
(AkiraNetwork.VirtualStorageLibrary)
1.html)
VirtualException
(AkiraNetwork.VirtualStorageLibrary)
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary)
2.html)
VirtualID
(AkiraNetwork.VirtualStorageLibrary)
VirtualItem
(AkiraNetwork.VirtualStorageLibrary)
VirtualItemAdapter<T>
(AkiraNetwork.VirtualStorageLibrary)
1.html)
VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary)
1.html)
VirtualNode
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)
VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeTypeFilter

Class VirtualNodeContext

A class that holds context information for a node. It is returned during or after path traversal, providing information about the node, path, parent directory, depth, index, resolved path, and symbolic link.

Inheritance (AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate

↳ object (<https://learn.microsoft.com/dotnet/api/system.object>)

↳ VirtualNodeContext

PatternMatch

Inherited Members (AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector

object.Equals(object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object)))

VirtualDirectory

object.Equals(object, object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object-system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-system-object)))

VirtualDirectoryAdapter<T>

object.GetHashCode() (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)

object.GetType() (<https://learn.microsoft.com/dotnet/api/system.object.gettype>)

object.MemberwiseClone()

(<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)

object.ReferenceEquals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)

(<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)

Name space AkiraNetwork (<https://learn.microsoft.com/html/AkiraNetwork.html>) VirtualStorageLibrary (<https://learn.microsoft.com/html/AkiraNetwork.VirtualStorageLibrary.html>)

Assembly AkiraNetwork.VirtualStorageLibrary (<https://learn.microsoft.com/html/AkiraNetwork.VirtualStorageLibrary.html>)

2.html)

Syntax VirtualID

(AkiraNetwork.VirtualStorageLibrary)

public class VirtualNodeContext

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualItem<T>

VirtualNodeContext(VirtualNode?, VirtualPath, VirtualDirectory?, int, int,

VirtualPath?, bool, VirtualSymbolicLink?)

VirtualNode

Initializes a new instance of the VirtualNodeContext (<https://learn.microsoft.com/html/AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html>)

class VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

public VirtualNodeContext(VirtualNode? node, VirtualPath traversalPath, VirtualDirectory? pa
rentNode = null, int depth = 0, int index = 0, VirtualPath? resolvedPath = null, bool resolv
ed = false, VirtualSymbolicLink? resolvedLink = null)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

Parameters VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Type	Name	Description
VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)	<i>node</i>	The node being traversed.
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) (AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryPatternMatch VirtualDirectory.html) (AkiraNetwork.VirtualStorageLibrary.int VirtualCycleDetector (https://learn.microsoft.com/dotnet/api/system.int32?view=dotnet-plat-ext-2.2) VirtualDirectory int (AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter<T> (https://learn.microsoft.com/dotnet/api/system.int32?view=dotnet-plat-ext-2.2) (AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter<T> VirtualPathException (AkiraNetwork.VirtualStorageLibrary.VirtualPathVirtualGroupCondition<T, TKey> VirtualPath bool VirtualID VirtualItem VirtualItemLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLinkItemAdapter<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem<T> VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext VirtualNodeContext Depth Gets the depth of the node. Can only be set within the assembly. The root is considered 0. VirtualNodeExtensions Declaration (AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions public int Depth VirtualStorageLibrary VirtualnodeName (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName Property Value VirtualNodeNotFoundException Type (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType int (https://learn.microsoft.com/dotnet/api/system.int32) (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter	<i>traversalPath</i>	The path used for node traversal.
<i>parentNode</i>		The parent directory of the node.
<i>depth</i>		The depth of the node. The root is considered 0.
<i>index</i>		The index of the node. Corresponds to the enumeration order within the directory.
<i>resolvedPath</i>		The result of resolving a symbolic link.
<i>resolved</i>		Indicates whether the symbolic link has been resolved.
<i>resolvedLink</i>		The resolved symbolic link.

Properties

Depth

Gets the depth of the node. Can only be set within the assembly. The root is considered 0.

VirtualNodeExtensions

Declaration
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions

public int Depth

VirtualStorageLibrary

VirtualnodeName

(AkiraNetwork.VirtualStorageLibrary.VirtualnodeName

VirtualNodeNotFoundException

Type
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType

int (https://learn.microsoft.com/dotnet/api/system.int32)
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter

Description

The depth of the node.

Index

Gets the index of the node and can only be set within the assembly. This is the index corresponding to the enumeration order within the directory.

Declaration

```
    public int Index { get; }  
    (AkiraNetwork.VirtualStorageLibrary.  
     NotifyNodeDelegate  
     property Value  
     (AkiraNetwork.VirtualStorageLibrary.  
      Type patternMatch  
      (AkiraNetwork.VirtualStorageLibrary.  
       nt (https://learn.microsoft.com/dotnet/  
        VirtualCycleDetector
```

Type	Description
(AkiraNetwork.VirtualStorageLibrary.PatternMatch int (https://learn.microsoft.com/dotnet/api/system.int32) VirtualCycleDetector	The index of the node.

Nodes

VirtualDirectoryAdapter<T>
Gets the node and can only be set within the assembly.
(AkiraNetwork.VirtualStorageLibrary)

Declaration^{1.htm})

```
VirtualException  
(AkiraNetwork.VirtualStorageLibrary  
public VirtualNode? Node { get; }  
VirtualGroupCondition<T, TKey>  
(AkiraNetwork.VirtualStorageLibrary
```

Property	Value	Description
Type	VirtualID (AkiraNetwork.VirtualStorageLibrary)	
VirtualNode	(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)	The current node.

ParentDirectory

Gets the parent directory of the node and can only be set within the assembly. (AkiraNetwork.VirtualStorage library)

(AKTA) Declaration

```
VirtualNode  
public NetworkVirtualServerClientDirectory { get; }
```

Property	Value
Type	Description
VirtualNodeContext	(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeExtensions	(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeListConditions	(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)
VirtualDirectory	(AkiraNetwork.VirtualStorageLibrary)
VirtualStorageLibrary	(AkiraNetwork.VirtualStorageLibrary)

Resolvability

VirtualNodeType (AkiraNetwork.VirtualStorageLibrary) Gets a value indicating whether the sym-

Declaration VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary)

```
public bool Resolved { get; }
```

Property Value

Type	Description
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	True if the link is resolved; otherwise, false.

ResolvedLink

Gets the resolved symbolic link and can only be set within the assembly.

VirtualCycleDetector

Declaration

```
(AkiraNetwork.VirtualStorageLibrary.ResolvedLink { get; })
```

VirtualDirectoryAdapter<T>

Property Value

1.html)

Type	Description
VirtualException	

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLinkVirtualGroupCondition<T, TKey>)	The resolved symbolic link, or null.
(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)	

2.html)

VirtualID

ResolvedPath

VirtualItem

Gets the resolved path and can only be set within the assembly. This represents the result of resolving a symbolic link.

VirtualItemAdapter<T>

Declaration

```
(AkiraNetwork.VirtualStorageLibrary.ResolvedPath { get; })
```

1.html)

VirtualNode

Type	Description
VirtualNodeContext	

VirtualPath ([AkiraNetwork.VirtualStorageLibrary.VirtualPath.html](#))

The resolved path, or null.

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)

VirtualNodeName

Gets the traversal path and can only be set within the assembly.

(AkiraNetwork.VirtualStorageLibrary.TraversalPath)

TraversalPath

VirtualNodeType ([AkiraNetwork.VirtualStorageLibrary.TraversalPath.html](#))

VirtualNodeTypeFilter

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException)

VirtualNodeType

VirtualNodeTypePath ([AkiraNetwork.VirtualStorageLibrary.TraversalPath.html](#))

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter)

VirtualNodeFilter

Property Value

Type	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	The path used for node traversal.



Methods

(AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate

(AkiraNetwork.VirtualStorageLibrary)

ToString()

PatternMatch

(AkiraNetwork.VirtualStorageLibrary)

Returns a string representation of this instance's information.

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

Declaration

AkiraNetwork.VirtualStorageLibrary

VirtualDirectory

public string ToString()

VirtualDirectoryAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

Returns

1.html

Type	Description
VirtualException	(AkiraNetwork.VirtualStorageLibrary)

string (<https://learn.microsoft.com/dotnet/api/system.string>)

VirtualGroupCondition<T, TKey>

A string representing this instance's information.

(AkiraNetwork.VirtualStorageLibrary)

Overrides

2.html

object.ToString() (<https://learn.microsoft.com/dotnet/api/system.object.tostring>)

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

VirtualTextFormatterAdapter GenerateSingleTableDebugText<T>(T)

(AkiraNetwork.VirtualStorageLibrary) [Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilsitie](#)s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualnodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Class VirtualNodeExtensions

Provides extension methods for operations on virtual nodes in the Virtual Storage Library.

Filter by title

Inheritance

(AkiraNetwork.VirtualStorageLibrary)
↳ object (<https://learn.microsoft.com/dotnet/api/system.object>)
 ↳ NotifyNodeDelegate
 ↳ VirtualNodeExtensions
 ↳ AkiraNetwork.VirtualStorageLibrary

Inherited Members

(AkiraNetwork.VirtualStorageLibrary)
object.Equals(object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object)))
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary)
object.Equals(object, object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object-system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-system-object)))
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary)
object.GetHashCode() (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)
VirtualDirectoryAdapter<T>
object.GetType() (<https://learn.microsoft.com/dotnet/api/system.object.gettype>)
(AkiraNetwork.VirtualStorageLibrary)
object.MemberwiseClone() (<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)
1.html
object.ReferenceEquals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)
VirtualException
object.ToString() (<https://learn.microsoft.com/dotnet/api/system.object.tostring>)
(AkiraNetwork.VirtualStorageLibrary)

Name space: [AkiraNetwork](#) ([AkiraNetwork.html](#)).VirtualStorageLibrary ([AkiraNetwork.VirtualStorageLibrary.html](#))

Assembly: [AkiraNetwork.VirtualStorageLibrary.dll](#) ([AkiraNetwork.VirtualStorageLibrary.dll.html](#))

Syntax

VirtualID
(AkiraNetwork.VirtualStorageLibrary)
public static class VirtualNodeExtensions

VirtualItem
(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

Methods

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

ResolveNodeType(VirtualNode)

VirtualNode

Resolves the type of the specified virtual node. If the node is a symbolic link, returns the type of the target node.

(AkiraNetwork.VirtualStorageLibrary)

Otherwise, returns the type of the node itself.

(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

public static VirtualNodeType ResolveNodeType(this VirtualNode node)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

Parameters

(AkiraNetwork.VirtualStorageLibrary)

Type VirtualNodeNotFoundException

Name Description

Virt (AkiraNetwork.VirtualStorageLibrary)

node

The virtual node to resolve the type for.

(AkiraNetwork.VirtualStorageLibrary.VIRTUALNODETYPE.html)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Returns

Type	Description
VirtualNodeType (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html) ▼ (AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate (AkiraNetwork.VirtualStorageLibrary.PatternMatch (AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter<T> (AkiraNetwork.VirtualStorageLibrary.VirtualID VirtualException (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary.VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualNode VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions (AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter	The type of the node or, if the node is a symbolic link, the type of the target node.

Struct VirtualNodeListConditions

Represents the conditions for creating a list of virtual nodes.

Filter by title

Inherited Members

(AkiraNetwork.VirtualStorageLibrary)
Value.Equals(object) (https://learn.microsoft.com/dotnet/api/system.valuetype.equals)
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary)
Value.GetHashCode() (https://learn.microsoft.com/dotnet/api/system.valuetype.gethashcode)
Value.ToString() (https://learn.microsoft.com/dotnet/api/system.valuetype.tostring)
object.Equals(object, object) (https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-system-object))
VirtualCycledDetector
object.GetType() (https://learn.microsoft.com/dotnet/api/system.object.gettype)
object.ReferenceEquals(object, object) (https://learn.microsoft.com/dotnet/api/system.object.referenceequals)
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary.html).VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

Assembly: VirtualStorageLibrary.dll

(AkiraNetwork.VirtualStorageLibrary)

VirtualStorageLibraryAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

VirtualException

public struct VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

Constructors

VirtualNodeListConditions()

(AkiraNetwork.VirtualStorageLibrary)

Initializes a new instance of the VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary.VIRTUALNODELISTCONDITIONS)

VirtualNodeListConditions.html

1.html)

Declaration

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)
public VirtualNodeListConditions()
1.html)

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<VirtualNode, object>?,

List<VirtualSortCondition<VirtualNode>>?)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

Initializes a New instance of the VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary.VIRTUALNODELISTCONDITIONS.html)

class with the specified conditions.

VirtualNodeName

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)VIRTUALNODELISTCONDITIONS(VirtualNodeTypeFilter filter, VirtualGroupCondition<VirtualNode, object>? groupCondition, List<VirtualSortCondition<VirtualNode>>? sortConditions)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Parameters

Type	Name	Description
VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html)	filter	The filter criteria for the virtual nodes.
VirtualGroupCondition (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition-2.html) <VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html), object (https://learn.microsoft.com/dotnet/api/system.object)> NotifyNodeDelegate	groupCondition	The grouping condition for the virtual nodes.
List (AkiraNetwork.VirtualStorageLibrary PatternMatch (https://learn.microsoft.com/dotnet/api/system.collections.generic.list-1) < VirtualCycleDetector < (AkiraNetwork.VirtualStorageLibrary VirtualSortCondition VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualSortCondition-1.html) <VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)>> VirtualDirectoryAdapter<T> (AkiraNetwork.VirtualStorageLibrary 1.html) VirtualException VirtualID Specifies the filter criteria, determining which types of virtual nodes to include. VirtualItemTypeFilter Filter VirtualID Specifies the filter criteria, determining which types of virtual nodes to include. VirtualItemTypeFilter Filter { readonly get; set; } VirtualItem VirtualItem<T> VirtualItemTypeFilter Filter { readonly get; set; } VirtualItem<T>	sortConditions	The sorting conditions for the virtual nodes.

Properties

VirtualStorageLibrary

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary

Filter

VirtualID

Specifies the filter criteria, determining which types of virtual nodes to include.

(AkiraNetwork.VirtualStorageLibrary

Declaration

VirtualItem

(AkiraNetwork.VirtualStorageLibrary

VirtualItemAdapter<T> TypeFilter Filter { readonly get; set; }

(AkiraNetwork.VirtualStorageLibrary

1.html)

Property Value

VirtualItem<T>

Type	Description
VirtualStorageLibrary	
VirtualGroupCondition<T, TKey>	
(AkiraNetwork.VirtualStorageLibrary	
VirtualID	
Specifies the filter criteria, determining which types of virtual nodes to include.	
(AkiraNetwork.VirtualStorageLibrary	
VirtualItemTypeFilter	The filter specifying the types of virtual nodes. The default value is
VirtualNode	All
(AkiraNetwork.VirtualStorageLibrary	(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html#AkiraNetwor
VirtualNodeTypeFilter	k_VirtualStorageLibrary_VirtualNodeTypeFilter_All)
VirtualNodeContext	
(AkiraNetwork.VirtualStorageLibrary	
VirtualNodeExtensions	
(AkiraNetwork.VirtualStorageLibrary	
VirtualNodeListConditions	
(AkiraNetwork.VirtualStorageLibrary	
VirtualNodeName	

GroupCondition

VirtualStorageLibrary

VirtualGroupCondition<VirtualNode, object>? GroupCondition { readonly get; set; }

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeNotNotFoundException

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeType

public VirtualGroupCondition<VirtualNode, object>? GroupCondition { readonly get; set; }

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeTypeFilter

Property Value

Type	Description
VirtualGroupCondition (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition-2.html) < VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html) , object (https://learn.microsoft.com/dotnet/api/system.object)> (AkiraNetwork.VirtualStorageLibrary. PatternMatch (AkiraNetwork.VirtualStorageLibrary. FileDetector	The condition for grouping virtual nodes. The default value is <code>null</code> . You can specify <code>null</code> if no grouping condition is needed.

SortConditions

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory)
Specifies the sorting conditions, determining the order in which the virtual nodes are arranged.

Declaration

```
VirtualDirectoryAdapter<T>
(AkiraNetwork.VirtualStorageLibrary.VirtualSortCondition<VirtualNode>>? SortConditions { readonly get; set; }  

1.html)
```

VirtualException

Property Value

Type	Description
VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary.List 2.html) (https://learn.microsoft.com/dotnet/api/system.collections.generic.list-1) list-1(AkiraNetwork.VirtualStorageLibrary.< VirtualItem VirtualSortCondition (AkiraNetwork.VirtualStorageLibrary.VirtualSortCondition-1.html) VirtualItemAdapter<T> < (AkiraNetwork.VirtualStorageLibrary.VirtualNode) VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html) >> (AkiraNetwork.VirtualStorageLibrary. 1.html)	A list of conditions for sorting the virtual nodes. The default value is <code>null</code> . You can specify <code>null</code> if no sorting condition is needed.

Extension Methods

VirtualNodeContext
VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilities_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter)

Class VirtualNodeName

Represents the name of a virtual node. This class handles the generation, validation, and comparison of node names.
Filter by title

Inheritance
(AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate

↳ object (<https://learn.microsoft.com/dotnet/api/system.object>)

↳ VirtualNodeName

PatternMatch

Implementation
(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector

IEquatable (<https://learn.microsoft.com/dotnet/api/system.iequatable-1>)<VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) >

VirtualDirectory

IComparable (<https://learn.microsoft.com/dotnet/api/system.icomparable-1>)<VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) >

VirtualDirectoryAdapter<T>

IComparable (<https://learn.microsoft.com/dotnet/api/system.icomparable>)

(AkiraNetwork.VirtualStorageLibrary)

Inherited Members
[1.html](#)

object.Equals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals>)

(AkiraNetwork.VirtualStorageLibrary)

object.GetHashCode() (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)

(AkiraNetwork.VirtualStorageLibrary)

object.MemberwiseClone() (<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)

object.ReferenceEquals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)

VirtualID

Namespace: AkiraNetwork ([AkiraNetwork.html](#)).VirtualStorageLibrary ([AkiraNetwork.VirtualStorageLibrary.html](#))

(AkiraNetwork.VirtualStorageLibrary)

Assembly: VirtualStorageLibrary.dll

VirtualItem

Syntax
(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>

public class VirtualNodeName : IComparable<VirtualNodeName>, IComparable<VirtualNodeName>, ICmpable

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

Initializes a new instance of the VirtualNodeName ([AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html](#))

class ([AkiraNetwork.VirtualStorageLibrary](#))

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

public class VirtualNodeName (string name)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

Parameters

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Type	Name	Description
string (https://learn.microsoft.com/dotnet/api/system.string)	name	The name of the node.

Properties

(AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate

(AkiraNetwork.VirtualStorageLibrary)

PatternMatch

Indicates whether the node is the root node.

(AkiraNetwork.VirtualStorageLibrary)

Declaration

[VirtualCycleDetector](#)

(AkiraNetwork.VirtualStorageLibrary)

public [VirtualDirectory](#) Root { get; }

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectoryAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

Property Value

(AkiraNetwork.VirtualStorageLibrary)

Type.html

Description

VirtualException

bool (<https://learn.microsoft.com/dotnet/api/system.boolean>)

(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

Name

VirtualID

Gets the name of the node.

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

public string Name { get; }

(AkiraNetwork.VirtualStorageLibrary)

1.html

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

Type.html

Description

VirtualNode

<https://learn.microsoft.com/dotnet/api/system.string>

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualnodeName

(AkiraNetwork.VirtualStorageLibrary)

CompareTo(VirtualnodeName?)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotStringException

(AkiraNetwork.VirtualStorageLibrary)

(AkiraNetwork.VirtualStorageLibrary)

Declaration

[VirtualNodeType](#)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

```
public int CompareTo(VirtualNodeName? other)
```

Parameters

Type	Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) Delegate (AkiraNetwork.VirtualStorageLibrary.PatternMatch PatternMatch (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	other	The VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) to compare with.

Returns

Type	Description
VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)	A value indicating the relative order of the instances being compared.

CompareTo(object?)

Compares this instance with a specified object.
(AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey>
2.html)

Declaration

```
VirtualItem CompareTo(object? obj)
    (AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter<T>
VirtualItemAdapter<T>
```

Parameters

Type	Name	Description
VirtualItem<T> object (https://learn.microsoft.com/dotnet/api/system.object) (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)	obj	The object to compare with.

Return Value

Type	Description
VirtualNodeContext int (AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html) VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions.html)	A value indicating the relative order of the instances being compared.

Exceptions

Type	Condition
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) ArgumentNullException (https://learn.microsoft.com/dotnet/api/system.argumentnexception) ArgumentException (AkiraNetwork.VirtualStorageLibrary.VirtualNodeNameFilter.html) VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html)	Thrown when the object is not a VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html).

Equals(VirtualNodeName?)

Determines whether the specified VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) is equal to this instance.

Declaration

```
public bool Equals(VirtualNodeName? other)  
(AkiraNetwork.VirtualStorageLibrary.  
NotifyNodeDelegate
```

Parameters

Type	Name	Description
atternMatch (AkiraNetwork.VirtualStorageLibrary. VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) VirtualDirectoryName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) VirtualDirectoryAdapter<T> (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	other	The VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) to compare with this instance.

Returns

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

Type	Description
VirtualException bool (AkiraNetwork.VirtualStorageLibrary. (https://learn.microsoft.com/dotnet/api/system.boolean) VirtualGroupCondition<T, TKey> net/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) 2.html)	true if the specified VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) is equal to this instance; otherwise, false .

VirtualID

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

Equals(object?)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

Determines whether the specified object is equal to this instance.

Declaration

```
VirtualItem<T>  
public override bool Equals(object? obj)  
(AkiraNetwork.VirtualStorageLibrary.  
1.html)
```

Parameters

Type	Name	Description
VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	obj (https://learn.microsoft.com/dotnet/api/system.object)	The object to compare with this instance.

Returns

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

Type	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) VirtualNodeNotFoundException (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	true if the specified object is equal to this instance; otherwise, false .

Overrides

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)
VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)
VirtualNodeTypeFilter

object.Equals(object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object)))

GenerateNodeName(string)

Generates a new node name using the specified prefix.

Declaration

```
(AkiraNetwork.VirtualStorageLibrary)
    NotifyNodeDelegate
public static VirtualNodeName GenerateNodeName(string prefix)
(AkiraNetwork.VirtualStorageLibrary)
    PatternMatch
```

Parameters

Type	Name	Description
VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary)		

string (https://learn.microsoft.com/dotnet/api/system.string)	prefix	The prefix for the node name.
--	--------	-------------------------------

Returns

VirtualDirectoryName
(AkiraNetwork.VirtualStorageLibrary)

Type	Description
VirtualException VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	The generated node name.

Remarks

(AkiraNetwork.VirtualStorageLibrary)
The current implementation may be improved for better usability, including a possible re-implementation of the node name generation. Users are advised to check for updates in the documentation regularly.

Exceptions

Type	Condition
ArgumentException (AkiraNetwork.VirtualStorageLibrary.Arguments.ArgumentException)	Thrown when the prefix is an empty string.

1.html)

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary
1.html)

GetHashCode()

VirtualNode
Returns a hash code for this instance.
(AkiraNetwork.VirtualStorageLibrary)

Declaration

```
(AkiraNetwork.VirtualStorageLibrary)
    VirtualNodeExtension
public int GetHashCode()
(AkiraNetwork.VirtualStorageLibrary)
```

Returns

VirtualNodeName
(AkiraNetwork.VirtualStorageLibrary)

Type	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary)	A hash code for this instance.

int (<https://learn.microsoft.com/dotnet/api/system.int32>)

VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)

Overrides

VirtualNodeType
object.GetHashCode() (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)

VirtualNodeTypeFilter

IsValidNodeName(VirtualNodeName)

Checks if a node name is valid.

Declaration

```
public static bool IsValidNodeName(VirtualNodeName nodeName)
```

Parameters

NotifyNodeDelegate

Type AkiraNetwork.VirtualStorageLibrary

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

VirtualCycleDetector

Returns

VirtualDirectory

Type AkiraNetwork.VirtualStorageLibrary

VirtualDirectoryAdapter<T>

bool

(AkiraNetwork.VirtualStorageLibrary

(https://learn.microsoft.com/dotnet/api/system.boolean)

1.html)

VirtualException

(AkiraNetwork.VirtualStorageLibrary

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary

Resets the counter used for node name generation.

2.html)

ResetCounter()

VirtualID

Declaration

(AkiraNetwork.VirtualStorageLibrary

VirtualItem

public static void ResetCounter()

(AkiraNetwork.VirtualStorageLibrary

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary

1.html)

ToString()

VirtualItem<T>

Returns the name of the node as a string.

1.html)

Declaration

VirtualNode

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeExtensions.ToString()

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeExtensions

Returns

(AkiraNetwork.VirtualStorageLibrary

Type VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary

string (https://learn.microsoft.com/dotnet/api/system.string)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeNotFoundException

Overrides

object.ToString() (https://learn.microsoft.com/dotnet/api/system.object.tostring)

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeTypeFilter

Operators

operator ==(VirtualnodeName?, VirtualnodeName?)

Determines whether two VirtualnodeName (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html) instances are equal.

Declaration

```
public static bool operator ==(VirtualnodeName? left, VirtualnodeName? right)
(AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html)
```

Parameters

(AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html)

Type	Name	Description
atternMatch (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html) VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html) VirtualDirectoryName.html VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryName.html) VirtualDirectoryAdapter<T> VirtualnodeName (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html) VirtualnodeNameException (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html) VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition.html)	left	The left VirtualnodeName (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html) to compare.
VirtualnodeName (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html)	right	The right VirtualnodeName (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html) to compare.

Returns

Type	Description
VirtualID (AkiraNetwork.VirtualStorageLibrary.VirtualID.html)	true if the specified instances are equal; otherwise, false .

implicit operator string(VirtualnodeName)

(AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html)

Implicitly converts a VirtualnodeName (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html) to a string.

VirtualNode

Declaration

```
public static implicit operator string(VirtualnodeName nodeName)
```

VirtualNodeExtensions

Parameters

VirtualNodeListConditions

Type	Name	Description
VirtualnodeName (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html) VirtualnodeNameNotFoundException (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html) VirtualNodeType (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html) VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html)	nodeName	The VirtualnodeName (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html) to convert.

Returns

Type	Description
string (https://learn.microsoft.com/dotnet/api/system.string)	



implicit operator VirtualNodeName(string)

(AkiraNetwork.VirtualStorageLibrary)
Implicitly converts a string to a VirtualNodeName ([AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html](#)).
NotifyNodeDelegate

Declaration

```
PatternMatch  
(AkiraNetwork.VirtualStorageLibrary) public static implicit operator VirtualNodeName(string name)  
VirtualCycleDetector  
(AkiraNetwork.VirtualStorageLibrary)
```

Parameters

Type	Name	Description
VirtualDirectoryName (https://learn.microsoft.com/dotnet/api/system.string)	name	The string to convert.

Return Value

Type	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	

2.html

VirtualID
(AkiraNetwork.VirtualStorageLibrary)

operator !=(VirtualNodeName?, VirtualNodeName?)

(AkiraNetwork.VirtualStorageLibrary)
Determines whether two VirtualNodeName ([AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html](#)) instances are not equal.
VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

Declaration

```
VirtualItem<T>  
(AkiraNetwork.VirtualStorageLibrary) public static bool operator !=(VirtualNodeName? left, VirtualNodeName? right)  
1.html
```

Parameters

Type	Name	Description
VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary) VirtualNodeName VirtualNodeExtensions (AkiraNetwork.VirtualStorageLibrary.Virtual (AkiraNetwork.VirtualStorageLibrary) Virtual NodeName.html) VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary) VirtualNodeName	left	The left VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.ht ml) to compare.
VirtualNode (AkiraNetwork.VirtualStorageLibrary) VirtualNodeException (AkiraNetwork.VirtualStorageLibrary) Virtual NodeType (AkiraNetwork.VirtualStorageLibrary) VirtualNodeTypeFilter	right	The right VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.ht ml) to compare.

Returns

Type	Description
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	true if the specified instances are not equal; otherwise, false.

Implements

NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary
IEquatable<<https://learn.microsoft.com/dotnet/api/system.iequatable-1>>)
IComparable<<https://learn.microsoft.com/dotnet/api/system.icomparable-1>>
IComparable(<https://learn.microsoft.com/dotnet/api/system.icomparable>)

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary
VirtualDirectory)

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilsili

s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

1.html)

VirtualException

(AkiraNetwork.VirtualStorageLibrary
VirtualGroupCondition<T, TKey>)

(AkiraNetwork.VirtualStorageLibrary
2.html)

VirtualID

(AkiraNetwork.VirtualStorageLibrary
VirtualItem)

(AkiraNetwork.VirtualStorageLibrary
VirtualItemAdapter<T>)

(AkiraNetwork.VirtualStorageLibrary
1.html)

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary
1.html)

VirtualNode

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeContext)

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeExtensions)

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeListConditions)

(AkiraNetwork.VirtualStorageLibrary
VirtualnodeName)

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeNotFoundException)

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeType)

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeTypeFilter)

Extension Methods

(AkiraNetwork.VirtualStorageLibrary
VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

Class VirtualNodeNotFoundException

The exception that is thrown when a node is not found in the virtual storage.

Filter by title

Inheritance

(AkiraNetwork.VirtualStorageLibrary)

↳ object (<https://learn.microsoft.com/dotnet/api/system.object>)

↳ NotifyNodeDelegate

↳ Exception (<https://learn.microsoft.com/dotnet/api/system.exception>)

↳ VirtualException (AkiraNetwork.VirtualStorageLibrary.VirtualException.html)

↳ PatternMatch

↳ VirtualNodeNotFoundException

↳ (AkiraNetwork.VirtualStorageLibrary)

Implements

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

ISerializable (<https://learn.microsoft.com/dotnet/api/system.runtime.serialization.iserializable>)

VirtualDirectory

Inherited Members

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectoryAdapter (<https://learn.microsoft.com/dotnet/api/system.exception.getbaseexception>)

ExceptionGettype (<https://learn.microsoft.com/dotnet/api/system.exception.gettype>)

ExceptionToString () (<https://learn.microsoft.com/dotnet/api/system.exception.tostring>)

ExceptionData (<https://learn.microsoft.com/dotnet/api/system.exception.data>)

(AkiraNetwork.VirtualStorageLibrary)

ExceptionHelpLink (<https://learn.microsoft.com/dotnet/api/system.exception.helplink>)

ExceptionResultCondition (https://learn.microsoft.com/dotnet/api/system.exception_hresult)

(AkiraNetwork.VirtualStorageLibrary)

ExceptionInnerException (<https://learn.microsoft.com/dotnet/api/system.exception.innerexception>)

ExceptionMessage (<https://learn.microsoft.com/dotnet/api/system.exception.message>)

ExceptionSource (<https://learn.microsoft.com/dotnet/api/system.exception.source>)

(AkiraNetwork.VirtualStorageLibrary)

ExceptionStackTrace (<https://learn.microsoft.com/dotnet/api/system.exception.stacktrace>)

ExceptionTargetSite (<https://learn.microsoft.com/dotnet/api/system.exception.targetsite>)

ExceptionObjectState (<https://learn.microsoft.com/dotnet/api/system.exception.serializeobjectstate>)

object.Equals (object, object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-object)))

(AkiraNetwork.VirtualStorageLibrary)

object.GetHashCode () (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)

object.MemberwiseClone () (<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)

object.ReferenceEquals (object, object) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)

(AkiraNetwork.VirtualStorageLibrary)

Namespace: AkiraNetwork (AkiraNetwork.html).VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

VirtualNodeContext

Assembly: VirtualStorageLibrary.dll

(AkiraNetwork.VirtualStorageLibrary)

Syntax

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

↳ **VirtualNodeNotFoundException** : VirtualException, ISerializable

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

VirtualNodeNotFoundException()

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Constructors

Initializes a new instance of the VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html) class.

Declaration

```
public VirtualNodeNotFoundException()  
    ▾
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException(string)

(AkiraNetwork.VirtualStorageLibrary)

Initializes a new instance of the VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html) class with a specified error message.

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory

```
public VirtualNodeNotFoundException(string message)  
(AkiraNetwork.VirtualStorageLibrary)
```

VirtualDirectoryAdapter<T>

Parameters

1.html)

Type VirtualException

Name

Description

string (AkiraNetwork.VirtualStorageLibrary) (https://learn.microsoft.com/dotnet/api/system.string)

message

The error message.

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

2.html)

VirtualNodeNotFoundException(string, Exception)

(AkiraNetwork.VirtualStorageLibrary)

Initializes a new instance of the VirtualNodeNotFoundException

VirtualItem

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html) class with a specified error message

and a reference to the inner exception that is the cause of this exception.

VirtualItemAdapter<T>

Declaration

(AkiraNetwork.VirtualStorageLibrary)

1.html)

```
public VirtualNodeNotFoundException(string message, Exception innerException)  
(AkiraNetwork.VirtualStorageLibrary)
```

1.html)

Parameters

VirtualNode

Type (AkiraNetwork.VirtualStorageLibrary)

Name

Description

VirtualNodeContext

string (AkiraNetwork.VirtualStorageLibrary)

(https://learn.microsoft.com/dotnet/api/system.string)

VirtualNodeExtensions

message

The error message.

Exception (AkiraNetwork.VirtualStorageLibrary)

(https://learn.microsoft.com/dotnet/api/system.exception)

(AkiraNetwork.VirtualStorageLibrary)

innerException

The exception that is the cause of this exception.

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

ISerializable (VirtualNodeType) (learn.microsoft.com/dotnet/api/system.runtime.serialization.iserializable)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Implements

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utils
s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

▼

(AkiraNetwork.VirtualStorageLibrary.
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary.
PatternMatch
(AkiraNetwork.VirtualStorageLibrary.
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary.
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary.
VirtualDirectoryAdapter<T>
(AkiraNetwork.VirtualStorageLibrary.
1.html)
VirtualException
(AkiraNetwork.VirtualStorageLibrary.
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary.
2.html)
VirtualID
(AkiraNetwork.VirtualStorageLibrary.
VirtualItem
(AkiraNetwork.VirtualStorageLibrary.
VirtualItemAdapter<T>
(AkiraNetwork.VirtualStorageLibrary.
1.html)
VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary.
1.html)
VirtualNode
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary.
VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeTypeFilter

Enum VirtualNodeType

Specifies the types of virtual nodes.

Filter by title

Namespace: AkiraNetwork (AkiraNetwork.html).VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)
(AkiraNetwork.VirtualStorageLibrary)

Assembly: VirtualStorageLibrary.dll
NotifyNodeDelegate

Syntax

```
(AkiraNetwork.VirtualStorageLibrary)
  PatternMatch
public enum VirtualNodeType
  VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary)
  VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary)
  VirtualDirectoryAdapter<T>
```

Fields

Name	Description
1.html	
Directory	Represents a directory node.
VirtualException	Represents an item node with a user-defined type T.
Item	Represents an unspecified or unknown node type.
None	Represents an unspecified or unknown node type.
2.html	
SymbolicLink	Represents a symbolic link node.
VirtualID	

Extension Methods

```
VirtualTextFormatter.GenerateSingleTableDebugText<VirtualNodeType>(VirtualNodeType)
(AkiraNetwork.VirtualStorageLibrary)
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilitie
1.html)
s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_
  VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary)
1.html
VirtualNode
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)
VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeTypeFilter
```

Enum VirtualNodeTypeFilter

Specifies the filters for virtual node types.

Filter by title

Namespace: AkiraNetwork (AkiraNetwork.html).VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

(AkiraNetwork.VirtualStorageLibrary)

Assembly: VirtualStorageLibrary.dll

NotifyNodeDelegate

Syntax

```
(AkiraNetwork.VirtualStorageLibrary)
  PatternMatch
public enum VirtualNodeTypeFilter
  VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary)
  VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary)
  VirtualDirectoryAdapter<T>
```

Fields

Name	Description
1.html	
All	VirtualException Filter for all node types.
Directory	(AkiraNetwork.VirtualStorageLibrary) Filter for directory nodes.
Item	(AkiraNetwork.VirtualStorageLibrary) Filter for item nodes with a user-defined type T.
2.html	
None	VirtualID No specific node type is specified.
SymbolicLink	(AkiraNetwork.VirtualStorageLibrary) Filter for symbolic link nodes.
VirtualItem	

Extension Methods

1.html

VirtualTextFormatter.GenerateSingleTableDebugText<VirtualNodeTypeFilter>(VirtualNodeTypeFilter)
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utils
s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

1.html

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualnodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Class VirtualPath

Represents a path within the virtual storage. Provides functionality for manipulating, comparing, normalizing, and splitting paths.

Inheritance

NotifyNodeDelegate

↳ object (<https://learn.microsoft.com/dotnet/api/system.object>)

↳ VirtualPath

PatternMatch

Implementation

IEquatable (<https://learn.microsoft.com/dotnet/api/system.iequatable-1>)<VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

IComparable (<https://learn.microsoft.com/dotnet/api/system.icomparable-1>)<VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualDirectoryAdapter<T>

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Inherited Members

1.html

object.Equals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals>)

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

object.GetType() (<https://learn.microsoft.com/dotnet/api/system.object.gettype>)

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

object.MemberwiseClone () (<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)

2.html

object.ReferenceEquals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)

VirtualID

Namespace: AkiraNetwork (AkiraNetwork.html).VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

(AkiraNetwork.VirtualStorageLibrary)

Assembly: VirtualStorageLibrary.dll

VirtualItem

Syntax

(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>

↳ <https://learn.microsoft.com/dotnet/api/system.object.gettype>, IComparable<VirtualPath>, IComparable

1.html

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

Initializes a new instance of the VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) class with the

specified connection parts.

(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName (IEnumerable<VirtualnodeName> parts)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Type	Name	Description
IEnumerable (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) <VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)>	parts	The collection of path parts.

▼

VirtualPath(string)

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

NotifyNodeDelegate
Initializes a new instance of the VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) class with the specified path string.
PatternMatch

Declaration

```
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary.VirtualPath(string path))
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)
VirtualDirectoryAdapter<T>
```

Parameters

Type	Name	Description
AkiraNetwork.VirtualStorageLibrary.VirtualPath(string path)	path	The initial path string.

Properties

VirtualID

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

Depth

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

Gets the depth of the path.
VirtualItemAdapter<T>

Declaration

```
1.html
VirtualItem<T>
public int Depth { get; }
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)
1.html
```

PropertyValue

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

Type

VirtualNodeContext

int (<https://learn.microsoft.com/dotnet/api/system.int32>)

Description

An integer representing the depth of the path.

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

VirtualNodeName

Gets the directory part of the path.

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

Declaration

```
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)
VirtualNodeType DirectoryPath { get; }
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)
VirtualNodeTypeFilter
```

Property Value

Type	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	A VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) representing the directory part of the path.

(AkiraNetwork.VirtualStorageLibrary)

Dot

NotifyNodeDelegate

(AkiraNetwork.VirtualStorageLibrary)
Gets the dot (".") symbol.

PatternMatch

(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)
public static string Dot { get; }

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary)

Property Value

VirtualDirectoryAdapter<T>

Type	Description
VirtualDirectoryAdapter<T> 1.html)	A string representing the dot symbol.

string (<https://learn.microsoft.com/dotnet/api/system.string>)

(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

DotDot

2.html)

Gets the double dot ("..") symbol.

(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

public static string> DotDot { get; }

(AkiraNetwork.VirtualStorageLibrary)

1.html)

Property Value

VirtualItem<T>

Type	Description
VirtualItem<T> 1.html)	A string representing the double dot symbol.

string (<https://learn.microsoft.com/dotnet/api/system.string>)

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

FixedDepth

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

Gets the depth of the fixed path.

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

public int FixedDepth { get; }

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

Property Value

VirtualNode

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Type	Description
int (https://learn.microsoft.com/dotnet/api/system.int32)	An integer representing the depth of the fixed path.

Remarks

The fixed depth indicates the number of parts in the path, excluding those with wildcards.

FixedPath

NotifyNodeDelegate

Gets the [AkiraNetwork.VirtualStorageLibrary.VirtualPath](#) matching.

PatternMatch

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector

```
public VirtualPath FixedPath { get; }
```

VirtualDirectory

Property Value

VirtualDirectoryAdapter<T>

Type

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualPath

VirtualException

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualGroupCondition<T, TKey>

Remarks

2.html)

The fixed path excludes parts containing wildcards.

VirtualID

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

IsAbsolute

(AkiraNetwork.VirtualStorageLibrary)

Declaration

1.html)

VirtualItem<T>

Type

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualNode

Property Value

(AkiraNetwork.VirtualStorageLibrary)

Type

virtualNodeContext

Type

(AkiraNetwork.VirtualStorageLibrary)

bool

Type

(VirtualNodeExtensions)

Type

(<https://learn.microsoft.com/dotnet/api/system.boolean>)

Type

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

Type

(AkiraNetwork.VirtualStorageLibrary)

Type

(AkiraNetwork.VirtualStorageLibrary)

Type

(VirtualNodeTypeFilter)

Description

A VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) object representing the fixed path.

Type	Description
VirtualNodeContext	true if the instance's path is absolute; otherwise, false .

IsDot

Type

(AkiraNetwork.VirtualStorageLibrary)

Type

(VirtualNodeNotFoundException)

Type

(AkiraNetwork.VirtualStorageLibrary)

Type

(VirtualNodeType)

Type

(VirtualNodeTypeFilter)

```
public bool IsDot { get; }
```

Property Value

Type	Description
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	true if the instance's path is a dot; otherwise, false .

NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary)

PatternMatch
(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector
Gets a value indicating whether the instance's path is a double dot.
(AkiraNetwork.VirtualStorageLibrary)

Declaration
Directory
(AkiraNetwork.VirtualStorageLibrary)

```
public VirtualDirectoryAdapter<T> Get();
```

(AkiraNetwork.VirtualStorageLibrary)

1.html)

Property Value

Type	Description
AkiraNetwork.VirtualStorageLibrary VirtualGroupCondition<T, TKey> bool (AkiraNetwork.VirtualStorageLibrary) (https://learn.microsoft.com/dotnet/api/system.boolean) n) VirtualID (AkiraNetwork.VirtualStorageLibrary) VirtualItem (AkiraNetwork.VirtualStorageLibrary)	true if the instance's path is a double dot; otherwise, false .

(AkiraNetwork.VirtualStorageLibrary)

IsEmpty
VirtualItemAdapter<T>
Gets a value indicating whether the instance's path is empty.
(AkiraNetwork.VirtualStorageLibrary)

1.html)

Declaration
VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary)

```
public bool IsEmpty { get; }
```

1.html)

VirtualNode
(AkiraNetwork.VirtualStorageLibrary)

Property Value
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary)

Type
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary)

bool
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)

VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary)

IsEndsWithSlash
VirtualNodeNotFoundException
Gets a value indicating whether the instance's path ends with a slash.
(AkiraNetwork.VirtualStorageLibrary)

Declaration
NodeType
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary)

```
public bool IsEndsWithSlash { get; }
```

Property Value

Type	Description
bool (http://schemas.microsoft.com/strict/api/system.boolean)	true if the instance's path ends with a slash; otherwise, false .
NotifyNodeDelegate an)	

IsRoot (Akin)

ISROOT VirtualCycleDetector
(AkiraNetwork.VirtualStorage library)
Gets a value indicating whether the instance's path is the root path.
VirtualDirectory

Declaration

VirtualDirectoryAdapter (T)

VirtualDir

p(AriaNetworkVirtualStorageLibrary
1.html)
VirtualException
Property Value

Property Value

• AkiraNetwork.VirtualStorageLibrary

Type	Description
<code>virtualGroupCondition<T, TKey></code>	
<code>bool</code> <code>(AkiraNetwork.VirtualStorageLibrary</code> <code>2.html)</code> <code>(https://learn.microsoft.com/dotnet/api/system.boola</code> <code>n)</code> <code>(AkiraNetwork.VirtualStorageLibrary</code>	true if the instance's path is the root path; otherwise, false .

NodeName

GetNodeName (AkiraNetwork.VirtualStorageLibrary)
Gets the node name of the path.

Gets file.html

Declaration VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary)

Properties of Virtual Nodes

Type: (AkiraNetwork.VirtualStorageLibrary)

<pre> VirtualNodeExtensions VirtualNetwork.VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName) INodeName VirtualNodeName </pre>	<p>A VirtualnodeName (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html) representing the node name of the path.</p>
--	--

(AkiraN
PartsList)

VirtualNodeType

Gets the list of parts that make up the path

Gets the list of parts that fit the
VirtualNodeTypeFilter

Declaration

```
public List<VirtualNodeName> PartsList { get; }
```

Path	(AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem<T>.html) Gets the path string.
Declaration	VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey>. public string Path { get; } VirtualID (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey>.Path)
Property Value	VirtualItem
Type	AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter<T> string (https://learn.microsoft.com/dotnet/api/system.string) (AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter<T>.Value)

	(AkiraNetwork.VirtualStorageLibrary) 1.html)	
	VirtualItem<T>	
Root	(AkiraNetwork.VirtualStorageLibrary) 1.html)	
	Gets the root path.	
	VirtualNode	
Declaration	(AkiraNetwork.VirtualStorageLibrary) VirtualNodeContext	
	(AkiraNetwork.VirtualStorageLibrary) public static string Root { get; }	
	VirtualNodeExtensions	
	(AkiraNetwork.VirtualStorageLibrary) VirtualNodeListConditions	
Type	(AkiraNetwork.VirtualStorageLibrary) VirtualNodeName	Description
	(AkiraNetwork.VirtualStorageLibrary) string (AkiraNetwork.VirtualStorageLibrary) net/api/system.string)	A string representing the root path.
	VirtualNodeNotFoundException	
	(AkiraNetwork.VirtualStorageLibrary) VirtualNodeType	
Separator	(AkiraNetwork.VirtualStorageLibrary) VirtualNodeTypeFilter	

Gets the path separator character.

Declaration

```
public static char Separator { get; }
```



Property Value

Type	Description
char (https://learn.microsoft.com/dotnet/api/system.char)	A character representing the path separator.

PatternMatch

(AkiraNetwork.VirtualStorageLibrary.VirtualPathFilter)

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary.VirtualPathFilter)

Methods

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary.VirtualPathFilter)

AddEndSlash()

(AkiraNetwork.VirtualStorageLibrary.VirtualPathFilter)

Adds a trailing slash to the path if it doesn't already have one.

VirtualException

(AkiraNetwork.VirtualStorageLibrary.VirtualPathFilter)

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary.VirtualPathFilter)

2.html)

Returns

VirtualID

Type	Description
VirtualItem	

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualPathFilter)

(AkiraNetwork.VirtualStorageLibrary.VirtualPathFilter)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualPathFilter)

1.html)

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary.VirtualPathFilter)

AddStartSlash()

(AkiraNetwork.VirtualStorageLibrary.VirtualPathFilter)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary.VirtualPathFilter)

VirtualNodeCreation

(AkiraNetwork.VirtualStorageLibrary.VirtualPathFilter)

VirtualNodeListConditions

Returns

(AkiraNetwork.VirtualStorageLibrary.VirtualPathFilter)

Type	Description
VirtualNodeName	

(AkiraNetwork.VirtualStorageLibrary.VirtualPathFilter)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualPathFilter)

VirtualNotFoundException

(AkiraNetwork.VirtualStorageLibrary.VirtualPathFilter)

(AkiraNetwork.VirtualStorageLibrary.VirtualPathFilter)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.VirtualPathFilter)

VirtualNodeTypeFilter

ArePathsSubdirectories(VirtualPath, VirtualPath)

Determines whether one path is a subdirectory of another path.

Declaration

```
public static bool ArePathsSubdirectories(VirtualPath path1, VirtualPath path2)
```

Parameters

Type	(AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate)	Name	Description
VirtualPath	(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path1	The first VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)
VirtualPath	(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path2	The second VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Exceptions

Returns

Type	(AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey>)	Description
bool	(https://learn.microsoft.com/dotnet/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary.VirtualItem)	true if one path is a subdirectory of the other; otherwise, false.

Exceptions

Declaration

Type	(AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter<T>)	Condition
ArgumentException	(https://learn.microsoft.com/dotnet/api/system.argumentexception) (AkiraNetwork.VirtualStorageLibrary.VirtualItem)	Thrown if either path is empty.

VirtualNode

Combine(params VirtualPath[])

VirtualNodeContext

Combines the instance's path with the specified paths.
(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualNodeExtensions

Declaration

```
public VirtualPath Combine(params VirtualPath[] paths)
```

VirtualNodeListConditions

Parameters

VirtualNodeName

VirtualNodeType

VirtualNodeTypeFilter

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) []	paths	An array of VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) objects to combine.

Returns

(AkiraNetwork.VirtualStorageLibrary.

Type	Description
NotifyNodeDelegate	

VirtualPath PatternMatch (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	A new VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) representing the combined path.
VirtualCycleDetector	

(AkiraNetwork.VirtualStorageLibrary.

VirtualDirectory

Combine(params string[])

VirtualDirectoryAdapter<T>

Combines the specified paths into a single path.
(AkiraNetwork.VirtualStorageLibrary.

Declaration

VirtualException

```
(AkiraNetwork.VirtualStorageLibrary)
public static string Combine(params string[] paths)
    VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary.
```

Parameters

Type	Name	Description
VirtualID (AkiraNetwork.VirtualStorageLibrary.	paths	An array of path strings to combine.

Returns

VirtualItemAdapter<T>

Type	Description
VirtualItem<T.html>	

VirtualItem<T.html>	A combined path string.
---------------------	-------------------------

CombineFromIndex(VirtualPath, int)

VirtualNodeContext

Combines the instance's path with the parts of another path starting from a specified index.
(AkiraNetwork.VirtualStorageLibrary.

Declaration

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary.

VirtualNodeListConditions

```
public VirtualPath CombineFromIndex(VirtualPath path, int index)
(AkiraNetwork.VirtualStorageLibrary.
```

VirtualnodeName

Type
(AkiraNetwork.VirtualStorageLibrary.

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary.

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.

VirtualNodeTypeFilter

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) └ int (https://learn.microsoft.com/dotnet/api/system.int32) NotifyNodeDelegate (AkiraNetwork.VirtualStorageLibrary)	path index	The VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) whose parts to combine. The starting index from which to combine the parts.

Returns

PatternMatch

Type	Description
VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary)	A new VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) representing the combined path.

CompareTo(VirtualPath?)

VirtualException

Compares the instance's path with another VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html).

VirtualGroupCondition<T, TKey>

Declaration

(AkiraNetwork.VirtualStorageLibrary)

2.html

```
public int CompareTo(VirtualPath? other)
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

Parameters

(AkiraNetwork.VirtualStorageLibrary)

Type	Name	Description
VirtualItemAdapter<T> (AkiraNetwork.VirtualStorageLibrary)	other	The other VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) to compare with.

VirtualNode

Returns

(AkiraNetwork.VirtualStorageLibrary)

Type	Description
VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary)	An integer indicating the relative order of the paths.

VirtualNodeListConditions

VirtualnodeName

CompareTo(object?)

VirtualNodeNotFoundException

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

```
public int CompareTo(object? obj)
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Parameters

Type	Name	Description
object (https://learn.microsoft.com/dotnet/api/system.object)	<i>obj</i>	The object to compare with.

Returns

Type	Description
int (AkiraNetwork.VirtualStorageLibrary (https://learn.microsoft.com/dotnet/api/system.int32) NotifyNodeDelegate)	An integer indicating the relative order of the paths.

NOTES

(AkiraNetwork)

Type	Condition
(AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector AkiraNetwork.VirtualStorageLibrary.ArgumentException (AkiraNetwork.VirtualStorageLibrary. https://learn.microsoft.com/dotnet/api/system.argumentexception) VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter<T> VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	Thrown if the object is not a VirtualPath

VirtualDirectoryAdapter<1> (AkiraNetwork.VirtualStorageLibrary 1.html)

Equals(VirtualPath?)
(AkiraNetwork.VirtualStorageLibrary)

Indicates whether this path is equal to the specified VirtualPath
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) object.

3.html

```
Declaration  
VirtualID  
  
(AkiraNetwork.VirtualStorageLibrary  
public bool Equals(VirtualPath? other)  
VirtualItem
```

Virtual
(Akira N)

AkiraNetwork.VirtualStorage

Virtual Parameters

Type	(AkiraNetwork.VirtualStorageLibrary)	Name
html		

Virtual

Virtual Path <1>
(All Networks) [Group 1]

(Akira)(Ak)

`VirtualPath`) object to compare with the instance's path.

viro

Returns

Virt

Type	Description
(AkiraNetwork.VirtualStorageLibrary)	

<code>bool VirtualNodeExtensions (AkiraNetwork.VirtualStorageLibrary. (https://learn.microsoft.com/dotnet/api/system.boolean) VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary.</code>	<code>true if the specified VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) is equal to the instance's path; otherwise, false.</code>
---	---

VirtualN

Virtaniedename
(AkiraNetwork VirtualStorage) library

Equals(object?) FoundException

Equals(object): FoundException
(AkiraNetwork.VirtualStorageLibrary)
Indicates whether this path is equal to the specified object.

Virtual

Declaration

```
public override bool Equals(object? obj)
```

Parameters

Type	Name	Description
object (https://learn.microsoft.com/dotnet/api/system.object)	obj	The object to compare with the instance's path.

NotifyNodeDelegate

Returns

AkiraNetwork.VirtualStorageLibrary

Type	Description
PatternMatch (AkiraNetwork.VirtualStorageLibrary)	

booVirtualCycleDetector

(<https://learn.microsoft.com/dotnet/api/system.boolean>)

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectoryAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

Return the hash code for this path.

VirtualID

Declaration
(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

```
public override int GetHashCode()
```

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

Return the hash code for this path.

VirtualItem<T>

Declaration
(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

```
public override int GetHashCode()
```

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem<T>

Declaration
(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

```
public override int GetHashCode()
```

VirtualNode

Declaration
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

Retrieves the node name from the instance's path.

VirtualNodeFilter

Declaration
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

```
public VirtualNodeName GetNodeName()
```

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Type	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	A VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) object representing the node name.

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

GetParentPath()

Not yet documented

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

Gets the parent path of the instance's path.

PatternMatch

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

Returns `VirtualDirectoryAdapter<T>`

Type	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	
VirtualPath VirtualException (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	A VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) representing the parent path.
VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

2.html)

VirtualID

GetPartsLinkedList()

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

Gets the parts of the path as a linked list.

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

Declaration

`VirtualItemAdapter<T>`

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

`public LinkedList<VirtualNodeName> GetPartsLinkedList()`

`VirtualItem<T>`

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

Returns `VirtualItem<T>`

Type	Description
VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	A <code>VirtualNode</code> (<code>VirtualNodeContext</code> (https://learn.microsoft.com/dotnet/api/system.collections.generic.linkedlist-1)) of <code>VirtualNodeName</code> (<code>VirtualNodeListConditions</code> (<code>VirtualNodeName</code> (https://learn.microsoft.com/dotnet/api/system.collections.generic.linkedlist-1))) objects representing the path parts.

GetPartsList() type

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

`VirtualNodeTypeFilter`

Retrieves the node parts of the path as a list. This method converts the node parts stored in a linked list structure into a list structure, making it more convenient for sequential access and operations that require indexing.

Declaration

```
public List<VirtualNodeName> GetPartsList()
▼
```

Returns `(AkiraNetwork.VirtualStorageLibrary)`

Type	Description
<code>NotifyNodeDelegate</code> <code>(AkiraNetwork.VirtualStorageLibrary)</code> <code>List</code> <code>PatternMatch</code> <code>(https://learn.microsoft.com/dotnet/api/system.collections.generic.list-1)</code> <code>(AkiraNetwork.VirtualStorageLibrary)</code> <code>m.collections.generic.list-1)</code> <code><</code> <code>(AkiraNetwork.VirtualStorageLibrary)</code> <code>VirtualNodeName</code> <code>VirtualDirectory</code> <code>(AkiraNetwork.VirtualStorageLibrary)</code> <code>VirtualNodeName.html</code> <code>(AkiraNetwork.VirtualStorageLibrary)</code> <code>VirtualDirectoryNameAdapter<T></code> <code>></code> <code>(AkiraNetwork.VirtualStorageLibrary)</code> <code>1.html)</code> <code>VirtualException</code>	A <code>List<T></code> <code>(https://learn.microsoft.com/dotnet/api/system.collections.generic.list-1)</code> of <code>VirtualNodeName</code> <code>(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)</code> objects representing the node parts of the path.

GetRelativePath(VirtualPath)

`(AkiraNetwork.VirtualStorageLibrary)`

`VirtualGroupCondition<T, TKey>`

Gets `(AkiraNetwork.VirtualStorageLibrary)` the relative path from the specified base path.

`2.html)`

Declaration

`VirtualID`

`(AkiraNetwork.VirtualStorageLibrary)`

```
public VirtualPath GetRelativePath(VirtualPath basePath)
```

`VirtualItem`

`(AkiraNetwork.VirtualStorageLibrary)`

`VirtualItemAdapter<T>`

`(AkiraNetwork.VirtualStorageLibrary)`

Parameters `Type` `T.html)`

`VirtualPath` `T`

`(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)`

`(AkiraNetwork.VirtualStorageLibrary)`

`1.html)`

Returns `VirtualNode`

Type `(AkiraNetwork.VirtualStorageLibrary)`

`VirtualNodeContext`

`VirtualPath`

`(AkiraNetwork.VirtualStorageLibrary)`

`(AkiraNetwork.VirtualStorageLibrary.Virtual`

`Path.html)`

`(AkiraNetwork.VirtualStorageLibrary)`

`VirtualNodeListConditions`

`(AkiraNetwork.VirtualStorageLibrary)`

`VirtualNodeName`

`(AkiraNetwork.VirtualStorageLibrary)`

`VirtualNodeNotFoundException`

`(AkiraNetwork.VirtualStorageLibrary)`

`VirtualNodeType`

`(AkiraNetwork.VirtualStorageLibrary)`

`VirtualNodeTypeFilter`

Type	Name	Description
<code>T.html)</code>	<code>basePath</code>	The base path.

Type	Description
<code>(AkiraNetwork.VirtualStorageLibrary)</code>	A <code>VirtualPath</code> (<code>AkiraNetwork.VirtualStorageLibrary.VirtualPath.html</code>) representing the relative path.

Exceptions
<code>(AkiraNetwork.VirtualStorageLibrary)</code>
<code>VirtualNodeName</code>
<code>(AkiraNetwork.VirtualStorageLibrary)</code>
<code>VirtualNodeNotFoundException</code>
<code>(AkiraNetwork.VirtualStorageLibrary)</code>
<code>VirtualNodeType</code>
<code>(AkiraNetwork.VirtualStorageLibrary)</code>
<code>VirtualNodeTypeFilter</code>

Type	Condition
InvalidOperationException (https://learn.microsoft.com/dotnet/api/system.invalidoperationexception) (AkiraNetwork.VirtualStorageLibrary)	Thrown if the instance's path is not absolute: This exception occurs when the method is called on a VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) instance that does not start with the root path separator, indicating that it is not an absolute path.

NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary)

PatternMatch

IsSubdirectory(VirtualPath)
(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector

Determines whether this instance's path is a subdirectory of the specified parent path.
(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectoryAdapter<T>
(AkiraNetwork.VirtualStorageLibrary)

public bool IsSubdirectory(VirtualPath parentPath)
(AkiraNetwork.VirtualStorageLibrary)

1.html)

Parameters

VirtualException
(AkiraNetwork.VirtualStorageLibrary)

Type	Name	Description
VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary)	parentPath	The parent VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) VirtualID (AkiraNetwork.VirtualStorageLibrary)

VirtualItem
(AkiraNetwork.VirtualStorageLibrary)

Return

AkiraNetwork.VirtualStorageLibrary

Type	Description
VirtualItemAdapter<T> (AkiraNetwork.VirtualStorageLibrary)	true if this instance's path is a subdirectory of the parent path; otherwise, false. bool.html) (https://learn.microsoft.com/dotnet/api/system.boolean) bool (AkiraNetwork.VirtualStorageLibrary)

Exceptions

VirtualNode
(AkiraNetwork.VirtualStorageLibrary)

Type	Condition
VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary)	Thrown if this instance's path or the parent path is empty.

ArgumentOutOfRangeException
(<https://learn.microsoft.com/dotnet/api/system.argumentexception>)
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName
(AkiraNetwork.VirtualStorageLibrary)

NormalizePath()
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)

Normalizes the instance's path.
(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary)

```
public VirtualPath NormalizePath()
```

Returns

Type	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	A new VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) instance with the normalized path.

NormalizePath(string)

Normalizes the specified path string.
VirtualDirectory

Declaration
(AkiraNetwork.VirtualStorageLibrary)

```
VirtualDirectoryAdapter<T>  
p(AkiraNetwork.VirtualStorageLibrary.Path(string path)  
1.html)
```

Parameters
(AkiraNetwork.VirtualStorageLibrary)

Type	Name	Description
VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary.String (https://learn.microsoft.com/dotnet/api/system.string) 2.html)	path	The path string to normalize.

VirtualID

Returns
(AkiraNetwork.VirtualStorageLibrary)

Type	Description
VirtualItem (AkiraNetwork.VirtualStorageLibrary.String (https://learn.microsoft.com/dotnet/api/system.string) VirtualItemAdapter<T> (AkiraNetwork.VirtualStorageLibrary)	A normalized path string.

Exceptions
(VirtualItem)

Type	Condition
VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.InvalidOperationException (https://learn.microsoft.com/dotnet/api/system.invalidoperationexception) VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary)	Thrown when attempting to navigate above the root directory.

StartsWith(VirtualPath)

VirtualNodeListCondition
(AkiraNetwork.VirtualStorageLibrary)

Determines whether the instance's path starts with the specified path.

Declaration
(VirtualNodeName
(AkiraNetwork.VirtualStorageLibrary)

```
VirtualNodeNameFilter<VirtualPath>(VirtualPath path)
```

(AkiraNetwork.VirtualStorageLibrary)

Parameters
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	The VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) to compare with.

Returns

(AkiraNetwork.VirtualStorageLibrary.

Type

NotifyNodeDelegate

Description

bool
(AkiraNetwork.VirtualStorageLibrary.
PatternMatch
(<https://learn.microsoft.com/dotnet/api/system.boolean>)
(AkiraNetwork.VirtualStorageLibrary.
olean)
VirtualCycleDetector

true if the instance's path starts with the specified path;
otherwise, false.

Tostring()

(AkiraNetwork.VirtualStorageLibrary.

VirtualDirectoryAdapter<T>

Returns a string that represents the instance's path.

(AkiraNetwork.VirtualStorageLibrary.

Declaration

VirtualException

```
(AkiraNetwork.VirtualStorageLibrary.
public override string ToString()
    VirtualGroupCondition<T, TKey>
        (AkiraNetwork.VirtualStorageLibrary.
```

Returns

VirtualID

Type

(AkiraNetwork.VirtualStorageLibrary.

Description

string
(<https://learn.microsoft.com/dotnet/api/system.string>)

A string that represents the instance's path.

Overrides

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary.

object.ToString() (<https://learn.microsoft.com/dotnet/api/system.object.tostring>)

1.html)

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary.

1.html)

Removes the trailing slash from the path.

(AkiraNetwork.VirtualStorageLibrary.

VirtualNodeContext

```
(AkiraNetwork.VirtualStorageLibrary.
public VirtualPath TrimEndSlash()
    VirtualNodeExtensions
```

(AkiraNetwork.VirtualStorageLibrary.

VirtualNodeListConditions

Type

VirtualNodeName

Description

VirtualPath
(AkiraNetwork.VirtualStorageLibrary.

(AkiraNetwork.VirtualStorageLibrary.

VirtualPath
(AkiraNetwork.VirtualStorageLibrary.

A new VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) without the trailing slash.

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.

VirtualNodeTypeFilter

Operators

operator +(VirtualPath, VirtualNodeName)

Combines a VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) with a VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html).

Declaration

```
(AkiraNetwork.VirtualStorageLibrary.  
    NotifyNodeDelegate  
    p(AkiraNetwork.VirtualStorageLibrary.  
        operator +(VirtualPath path, VirtualNodeName nodeName)  
        PatternMatch  
        (AkiraNetwork.VirtualStorageLibrary.  
            VirtualCycleDetector
```

Parameters

Type	Name	Description
AkiraNetwork.VirtualStorageLibrary. VirtualDirectory VirtualPath (AkiraNetwork.VirtualStorageLibrary. (AkiraNetwork.VirtualStorageLibrary.VirtualPath VirtualDirectoryAdapter<T> h.html) (AkiraNetwork.VirtualStorageLibrary. 1.html) VirtualException	path	The VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.htm l) . . .
AkiraNetwork.VirtualStorageLibrary. VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNo deName.html) VirtualID (AkiraNetwork.VirtualStorageLibrary. VirtualItem	nodeName	The VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeNa me.html) . . .

Returns

Type	Description
AkiraNetwork.VirtualStorageLibrary. VirtualItemAdapter<T> VirtualPath (AkiraNetwork.VirtualStorageLibrary.Virt ualPath.html) VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary. 1.html)	A new VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) representing the combined path.

operator +(VirtualPath, VirtualPath)

Combines two VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) instances.

Declaration

```
(AkiraNetwork.VirtualStorageLibrary.  
    VirtualNodeContext  
    public static VirtualPath operator +(VirtualPath path1, VirtualPath path2)  
    (AkiraNetwork.VirtualStorageLibrary.  
        VirtualNodeListConditions
```

Parameters

AkiraNetwork.VirtualStorageLibrary. VirtualNodeNotFoundException (AkiraNetwork.VirtualStorageLibrary. VirtualNodeType (AkiraNetwork.VirtualStorageLibrary. VirtualNodeTypeFilter

Combines a VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) with a string.

Declaration

```
public static VirtualPath operator +(VirtualPath path, string str)
```



Parameters

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath. PatternMatch html) (AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector VirtualDirectoryAdapter<T> (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	The VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) .
string (https://learn.microsoft.com/dotnet/api/system. String) VirtualDirectoryAdapter<T> (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	str	The string to combine with the path.

Returns

1.html)

Type	Description
VirtualException (AkiraNetwork.VirtualStorageLibrary.VirtualPath VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) 2.html)	A new VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) representing the combined path.

VirtualID

(AkiraNetwork.VirtualStorageLibrary.VirtualPath
VirtualItemAdapter<T>

operator +(char, VirtualPath)

(AkiraNetwork.VirtualStorageLibrary.VirtualPath
operator +(char chr, VirtualPath path)

Combines a character with a VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html).

VirtualItemAdapter<T>

Declaration

1.html)

VirtualItem<T>

```
public static VirtualPath operator +(char chr, VirtualPath path)
```

(AkiraNetwork.VirtualStorageLibrary.VirtualPath
1.html)

Parameters

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext char (AkiraNetwork.VirtualStorageLibrary.VirtualPath VirtualNodeName html) (AkiraNetwork.VirtualStorageLibrary.VirtualPath VirtualNodeNotFoundException VirtualNodeNotType (AkiraNetwork.VirtualStorageLibrary.VirtualPath VirtualNodeTypeFilter	chr	The character to combine with the path.
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath VirtualNodeName html) (AkiraNetwork.VirtualStorageLibrary.VirtualPath VirtualNodeNotFoundException VirtualNodeNotType (AkiraNetwork.VirtualStorageLibrary.VirtualPath VirtualNodeTypeFilter	path	The VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) .

Returns

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.VirtualPath
VirtualNodeTypeFilter

Type	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	A new VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) representing the combined path.

▼

operator +(string, VirtualPath)

NotifyNodeDelegate
Combines a string with a VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html).
(AkiraNetwork.VirtualStorageLibrary)

Declaration

```
(AkiraNetwork.VirtualStorageLibrary)
VirtualCycleDetector
public static VirtualPath operator +(string str, VirtualPath path)
(AkiraNetwork.VirtualStorageLibrary)
```

VirtualDirectory

Parameters
(AkiraNetwork.VirtualStorageLibrary)

Type	Name	Description
VirtualDirectoryAdapter<T> (AkiraNetwork.VirtualStorageLibrary) string (html) (https://learn.microsoft.com/dotnet/api/system. StringException) string (AkiraNetwork.VirtualStorageLibrary)	str	The string to combine with the path.
VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary) (AkiraNetwork.VirtualStorageLibrary.VirtualPath. html) VirtualID (AkiraNetwork.VirtualStorageLibrary)	path	The VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualItem

Returns
(AkiraNetwork.VirtualStorageLibrary)

Type	Description
VirtualItemAdapter<T> (AkiraNetwork.VirtualStorageLibrary) VirtualPath (1.html) (AkiraNetwork.VirtualStorageLibrary.VirtualItem<T>. VirtualPath.html) (AkiraNetwork.VirtualStorageLibrary)	A new VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) representing the combined path.

1.html)

VirtualNode

operator ==(VirtualPath?, VirtualPath?)

VirtualNodeContext
Determines whether two VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) instances are equal.
(AkiraNetwork.VirtualStorageLibrary)

Declaration

```
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeListConditions
public static bool operator ==(VirtualPath? left, VirtualPath? right)
(AkiraNetwork.VirtualStorageLibrary)
```

VirtualNodeName

Parameters
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>left</i>	The left VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) .
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) NotifyNodeDelegate (AkiraNetwork.VirtualStorageLibrary.PatternMatch)	<i>right</i>	The right VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) .

Return Value

Type	Description
VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector)	true if the paths are equal; otherwise, false.

implicit operator string(VirtualPath?)

Implicitly converts a VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) to a string (https://learn.microsoft.com/dotnet/api/system.string).

VirtualGroupCondition<T, TKey>

Declaration

```
VirtualGroupCondition<T, TKey>
public static implicit operator string(VirtualPath? virtualPath)
{
    return virtualPath?.ToString();
}
```

Parameters

virtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath)

Type	Name	Description
VirtualItemAdapter<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter)	<i>virtualPath</i>	The VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) object.

VirtualNode

Return Value

Type	Description
VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext)	The string representation of the VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html), or an empty string if the path is null.

VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)

VirtualNodeName
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName)

VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException)

Implicitly converts a string (https://learn.microsoft.com/dotnet/api/system.string) to a VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualPath).

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType)

VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter)

implicit operator VirtualPath(string)

Implicitly converts a string (https://learn.microsoft.com/dotnet/api/system.string) to a VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualPath).

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType)

VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter)

```
public static implicit operator VirtualPath(string path)
```

Parameters

Type		Name	Description
string (https://learn.microsoft.com/dotnet/api/system.string)		path	The string representation of the path.

Returns

Type	Description
VirtualPath (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualPath)	A VirtualPath (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) object representing the given string path.

operator !=(VirtualPath?, VirtualPath?)

Declared in [AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition](https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition)

```
public static bool operator !=(VirtualPath? left, VirtualPath? right)
```

Parameters

Type	Name	Description
VirtualItem (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualItem)	left	The left VirtualPath (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualPath)
VirtualPath (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualPath)	right	The right VirtualPath (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualPath)

Returns

Type	Description
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	true if the paths are not equal; otherwise, false.

Implements

IEquatable<T> (https://learn.microsoft.com/dotnet/api/system.iequatable-1)
IComparable<T> (https://learn.microsoft.com/dotnet/api/system.icomparable-1)
IComparable (https://learn.microsoft.com/dotnet/api/system.icomparable)

VirtualNodeTypeFilter

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utils
s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

▼

(AkiraNetwork.VirtualStorageLibrary.
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary.
PatternMatch
(AkiraNetwork.VirtualStorageLibrary.
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary.
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary.
VirtualDirectoryAdapter<T>
(AkiraNetwork.VirtualStorageLibrary.
1.html)
VirtualException
(AkiraNetwork.VirtualStorageLibrary.
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary.
2.html)
VirtualID
(AkiraNetwork.VirtualStorageLibrary.
VirtualItem
(AkiraNetwork.VirtualStorageLibrary.
VirtualItemAdapter<T>
(AkiraNetwork.VirtualStorageLibrary.
1.html)
VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary.
1.html)
VirtualNode
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary.
VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeTypeFilter

Class VirtualSortCondition<T>

Represents the conditions for sorting data, holding the property to sort by and the order (ascending or descending).

Inheritance

NotifyNodeDelegate

↳ object (<https://learn.microsoft.com/dotnet/api/system.object>)
↳ [\(AkiraNetwork.VirtualStorageLibrary\)](#)
↳ VirtualSortCondition<T>
↳ PatternMatch

Inherited Members

VirtualCycleDetector
object.Equals(object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object)))
VirtualDirectory
object.Equals(object, object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object>equals\(system-object-system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object>equals(system-object-system-object)))
VirtualDirectoryAdapter<T>
object.GetHashCode() (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)
object.GetType() (<https://learn.microsoft.com/dotnet/api/system.object.gettype>)
1.html
object.MemberwiseClone() (<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)
VirtualException
object.ReferenceEquals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)
object.ToString() (<https://learn.microsoft.com/dotnet/api/system.object.tostring>)
VirtualGroupCondition<T, TKey>

Namespace

(AkiraNetwork.VirtualStorageLibrary)

Assembly

VirtualStorageLibrary.dll

Syntax

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

public class VirtualSortCondition<T>
(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>

Type

(AkiraNetwork.VirtualStorageLibrary)

Name

Description

VirtualItem<T>

T (AkiraNetwork.VirtualStorageLibrary) The type of the entity to be sorted.

1.html

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeFilter

VirtualSortCondition(Expression<Func<T, object>>, bool)

(AkiraNetwork.VirtualStorageLibrary)

Initializes a new instance of the VirtualSortCondition<T>

(AkiraNetwork.VirtualStorageLibrary) class with the specified sorting property and order.

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

public VirtualSortCondition(Expression<Func<T, object>> sortBy, bool ascending = true)
VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Parameters

Type	Name	Description
Expression (https://learn.microsoft.com/dotnet/api/system.linq.expressions.expression-1) <Func (https://learn.microsoft.com/dotnet/api/system.func-2)<T, object (https://learn.microsoft.com/dotnet/api/system.object)>>	sortBy	The property to sort by.
bool (https://learn.microsoft.com/dotnet/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary) NotifyNodeDelegate (AkiraNetwork.VirtualStorageLibrary) PatternMatch (AkiraNetwork.VirtualStorageLibrary) VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary) VirtualDirectory (AkiraNetwork.VirtualStorageLibrary) VirtualDirectoryAdapter<T> (AkiraNetwork.VirtualStorageLibrary)	ascending	A value indicating whether the sorting order is ascending.

Properties

Ascending

Gets or sets a value indicating whether the sorting order is ascending. True if the order is ascending; otherwise, false.

[VirtualException](#)

Declaration

```
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary)
public bool Ascending { get; set; }
```

[VirtualID](#)

PropertyValue

Type	Description
VirtualItem (AkiraNetwork.VirtualStorageLibrary)	A boolean value indicating whether the sorting order is ascending.

SortBy

Gets or sets the property used for sorting.

[VirtualNodeContext](#)

Declaration

```
VirtualNode
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary)
public VirtualNode<T>> SortBy { get; set; }
```

[VirtualNodeListConditions](#)

PropertyValue

[VirtualNodeName](#)

Type	Description
VirtualNodeNotFoundException (AkiraNetwork.VirtualStorageLibrary) <Func (https://learn.microsoft.com/dotnet/api/system.func-2)<T, object (https://learn.microsoft.com/dotnet/api/system.object)>>	An expression that specifies the property to use for sorting.

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilitie
s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

▼

(AkiraNetwork.VirtualStorageLibrary
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary
PatternMatch
(AkiraNetwork.VirtualStorageLibrary
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary
VirtualDirectoryAdapter<T>
(AkiraNetwork.VirtualStorageLibrary
1.html)
VirtualException
(AkiraNetwork.VirtualStorageLibrary
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary
2.html)
VirtualID
(AkiraNetwork.VirtualStorageLibrary
VirtualItem
(AkiraNetwork.VirtualStorageLibrary
VirtualItemAdapter<T>
(AkiraNetwork.VirtualStorageLibrary
1.html)
VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary
1.html)
VirtualNode
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary
VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeTypeFilter

Class VirtualStorageExtensions

Provides extension methods for various operations on collections in the Virtual Storage Library.

Filter by title

Inheritance

(AkiraNetwork.VirtualStorageLibrary)
↳ object (https://learn.microsoft.com/dotnet/api/system.object)
 ↳ NotifyNodeDelegate
 ↳ VirtualStorageExtensions
 ↳ AkiraNetwork.VirtualStorageLibrary

Inherited Members

(AkiraNetwork.VirtualStorageLibrary)
object.Equals(object) (https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object))
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary)
object.Equals(object, object) (https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-system-object))
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary)
object.GetHashCode() (https://learn.microsoft.com/dotnet/api/system.object.gethashcode)
VirtualDirectoryAdapter<T>
object.GetType() (https://learn.microsoft.com/dotnet/api/system.object.gettype)
(AkiraNetwork.VirtualStorageLibrary)
object.MemberwiseClone() (https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone)
VirtualException
object.ReferenceEquals(object, object) (https://learn.microsoft.com/dotnet/api/system.object.referenceequals)
object.ToString() (https://learn.microsoft.com/dotnet/api/system.object.tostring)
(AkiraNetwork.VirtualStorageLibrary)

Name space AkiraNetwork (AkiraNetwork.html).VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

Assembly AkiraNetwork.VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.dll)

Syntax

VirtualID
(AkiraNetwork.VirtualStorageLibrary)
public static class VirtualStorageExtensions

VirtualItem
(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

Methods

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

ApplySortConditions<T>(IEnumerable<T>, List<VirtualSortCondition<T>>?)

VirtualNode

Applies the specified sort conditions to the elements of the source sequence.

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

public static IEnumerable<T> ApplySortConditions<T>(this IEnumerable<T> source, List<VirtualSortCondition<T>>? sortConditions = null)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

Parameters

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Type	Name	Description
IEnumerable (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) <T> List (https://learn.microsoft.com/dotnet/api/system.collections.generic.list-1) NotifyNodeDelegate < (AkiraNetwork.VirtualStorageLibrary.VirtualSortCondition VirtualSortCondition PatternMatch (AkiraNetwork.VirtualStorageLibrary.VirtualSortCondition- 1.html) VirtualCycleDetector <T>(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory VirtualDirectory Return(AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter<T> (AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter<T> IEnumerable (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) <T>VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey> 2.html)	source	The sequence of elements to sort.

Return(AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter<T>

Type	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter<T> IEnumerable (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) <T>VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey> 2.html)	An IEnumerable<T> (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) containing the sorted elements.

VirtualID

Type Parameters

Name	Description
T	(AkiraNetwork.VirtualStorageLibrary.VirtualItem) The type of elements in the source sequence.

Name	Description
VirtualItemAdapter<T>	(AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter<T> 1.html)

GroupAndSort<T>(IEnumerable<T>, VirtualGroupCondition<T, object>?, List<VirtualSortCondition<T>>?)

Name	Description
VirtualItem	(AkiraNetwork.VirtualStorageLibrary.VirtualItem)

Groups and sorts the elements of the source sequence based on the specified conditions.

VirtualNode

Declaration

AkiraNetwork.VirtualStorageLibrary.VirtualNode

VirtualNodeContext

```
public static VirtualNodeGroupAndSort<T>(this IEnumerable<T> source, VirtualGroupCondition<T, object>? groupCondition = null, List<VirtualSortCondition<T>>? sortConditions = null)
```

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeGroupAndSort<T>)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)

Parameters

(AkiraNetwork.VirtualStorageLibrary.VirtualNode)

Type	Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName)	source	The sequence of elements to group and sort.

VirtualNodeNotFoundException
(<https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1>)

<T>
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType)

VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter)

Type	Name	Description
VirtualGroupCondition (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition-2.html) <T, object (https://learn.microsoft.com/dotnet/api/system.object) > (AkiraNetwork.VirtualStorageLibrary. NotifyNodeDelegate List (AkiraNetwork.VirtualStorageLibrary. (https://learn.microsoft.com/dotnet/api/system.collection.generic.list-1) AkiraNetwork.VirtualStorageLibrary. < VirtualCycleDetector VirtualSortCondition (AkiraNetwork.VirtualStorageLibrary. (AkiraNetwork.VirtualStorageLibrary.VirtualSortCondition-1.html) 1.html) (AkiraNetwork.VirtualStorageLibrary. <T>VirtualDirectoryAdapter<T> (AkiraNetwork.VirtualStorageLibrary	<i>groupCondition</i>	The condition that defines how to group the elements. If null, no grouping is applied.

Returns [IList<T>](#)

Type	Description
VirtualException (AkiraNetwork.VirtualStorageLibrary. IEnumerable<VirtualGroupCondition<T, TKey>> (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) <T>VirtualID (AkiraNetwork.VirtualStorageLibrary. VirtualItem (AkiraNetwork.VirtualStorageLibrary.	An IEnumerable<T> (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) containing the grouped and sorted elements.

Type Parameters

Name	Description
<i>T</i>	The type of elements in the source sequence. VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary. 1.html) VirtualItem (AkiraNetwork.VirtualStorageLibrary. VirtualNode (AkiraNetwork.VirtualStorageLibrary. VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary. VirtualNodeExtensions (AkiraNetwork.VirtualStorageLibrary. VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary. VirtualnodeName (AkiraNetwork.VirtualStorageLibrary. VirtualNodeNotFoundException (AkiraNetwork.VirtualStorageLibrary. VirtualNodeType (AkiraNetwork.VirtualStorageLibrary. VirtualNodeTypeFilter

Class VirtualStorageSettings

Manages settings for the virtual storage. This class implements the singleton pattern and holds default settings and values for parameters.

Inheritance
(AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate

↳ object (https://learn.microsoft.com/dotnet/api/system.object)
(AkiraNetwork.VirtualStorageLibrary)
↳ VirtualStorageSettings
PatternMatch

Inherited Members
(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector

object.Equals(object) (https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object))
(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory

object.Equals(object, object) (https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-system-object))
(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectoryAdapter<T>

object.GetHashCode() (https://learn.microsoft.com/dotnet/api/system.object.gethashcode)
(AkiraNetwork.VirtualStorageLibrary)

object.GetType() (https://learn.microsoft.com/dotnet/api/system.object.gettype)

object.MemberwiseClone() (https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone)

VirtualException

object.ReferenceEquals(object, object) (https://learn.microsoft.com/dotnet/api/system.object.referenceequals)

(AkiraNetwork.VirtualStorageLibrary)

object.ToString() (https://learn.microsoft.com/dotnet/api/system.object.tostring)

VirtualGroupCondition<T, TKey>

Namespace AkiraNetwork.AkiraNetwork.html.VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

Assembly VirtualStorageLibrary.dll

Syntax

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

public class VirtualStorageSettings
(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html)

Properties

InvalidNodeNameCharacters
(AkiraNetwork.VirtualStorageLibrary)

Gets or sets an array of characters that are invalid in node names.

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

public char[] InvalidNodeNameCharacters { get; set; }

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

Type

VirtualNodeNotFoundException

char (AkiraNetwork.VirtualStorageLibrary)

(https://learn.microsoft.com/dotnet/api/system.char)

[] (AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Type	Description
VirtualNodeTypeFilter	An array of characters that cannot be used in node names.

InvalidNodeNames

Gets or sets an array of invalid node names.

Declaration

```
public string[] InvalidNodeNames { get; set; }
```

Property Value
(AkiraNetwork.VirtualStorageLibrary)

Type	Description
string[] (AkiraNetwork.VirtualStorageLibrary) (https://learn.microsoft.com/dotnet/api/system.string) g) VirtualCycleDetector [] (AkiraNetwork.VirtualStorageLibrary) VirtualDirectory	An array of node names that are not allowed in the virtual storage.

NodeListConditions

Gets or sets the conditions for listing nodes.
VirtualException

Declaration

```
VirtualGroupCondition<T, TKey>  
(AkiraNetwork.VirtualStorageLibrary)  
public VirtualNodeListConditions NodeListConditions { get; set; }
```

VirtualID

Property Value
(AkiraNetwork.VirtualStorageLibrary)

Type	Description
VirtualItem (AkiraNetwork.VirtualStorageLibrary) VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary)	The conditions used to filter, group, and sort nodes.

PathDot

Gets or sets the path representing the current directory. The default value is ".".
(AkiraNetwork.VirtualStorageLibrary)

Declaration

```
VirtualNodeContext  
(AkiraNetwork.VirtualStorageLibrary)  
pVirtualNodeGetDot { get; set; }
```

Property Value
(AkiraNetwork.VirtualStorageLibrary)

Type	Description
virtualNodeName (AkiraNetwork.VirtualStorageLibrary) string (https://learn.microsoft.com/dotnet/api/system.string) VirtualNodeNotFoundException	The representation of the current directory.

PathDotDot
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeTypeFilter

Gets or sets the path representing the parent directory. The default value is "..".

Declaration

```
public string PathDotDot { get; set; }
```

Property Value

Type	Description
(AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate<T>)(https://learn.microsoft.com/dotnet/api/system.string)	The representation of the parent directory.

PathRoot

Gets [VirtualDirectory](#) path. The default value is "/".

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter<T>)(<https://learn.microsoft.com/dotnet/api/system.string>)

```
public string PathRoot { get; set; }
```

VirtualException

(AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey>)(<https://learn.microsoft.com/dotnet/api/system.string>)

string (<https://learn.microsoft.com/dotnet/api/system.string>)

Property Value

Type	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualID)(https://learn.microsoft.com/dotnet/api/system.string)	The root directory path in the virtual storage.

PathSeparator

Gets or sets the path separator character. The default value is '/'.
(AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter<T>)(<https://learn.microsoft.com/dotnet/api/system.string>)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualNode)(<https://learn.microsoft.com/dotnet/api/system.string>)

```
public char PathSeparator { get; set; }
```

VirtualNode

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext)(<https://learn.microsoft.com/dotnet/api/system.string>)

char (<https://learn.microsoft.com/dotnet/api/system.string>)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions)(<https://learn.microsoft.com/dotnet/api/system.char>)

Type	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions)(https://learn.microsoft.com/dotnet/api/system.char)	The character used to separate path segments.

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)(<https://learn.microsoft.com/dotnet/api/system.string>)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName)(<https://learn.microsoft.com/dotnet/api/system.string>)

Gets [VirtualNode](#) names. The default value is "dir". Used for auto-generating node names.
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotNotFoundException)(<https://learn.microsoft.com/dotnet/api/system.string>)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType)(<https://learn.microsoft.com/dotnet/api/system.string>)

```
public string PrefixDirectory { get; set; }
```

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter)(<https://learn.microsoft.com/dotnet/api/system.string>)

Property Value

Type	Description
string (https://learn.microsoft.com/dotnet/api/system.string)	The prefix added to auto-generated directory names.

▼

PrefixItem

(AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate

Gets or sets the prefix used for item names. The default value is "item". Used for auto-generating node names.
(AkiraNetwork.VirtualStorageLibrary)

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector

public string PrefixItem { get; set; }

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory

Property Value

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectoryAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

string
(<https://learn.microsoft.com/dotnet/api/system.string>)

Description

The prefix added to auto-generated item names.

VirtualException

(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

Gets or sets the prefix used for symbolic link names. The default value is "link". Used for auto-generating node names.
VirtualID

(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

public string PrefixSymbolicLink { get; set; }

(AkiraNetwork.VirtualStorageLibrary)

1.html

Property Value

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

Description

1.html

string

VirtualNode

(<https://learn.microsoft.com/dotnet/api/system.string>)

The prefix added to auto-generated symbolic link names.

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

Settings

(AkiraNetwork.VirtualStorageLibrary)

Gets the current instance of the settings.

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

public static VirtualStorageSettings Settings { get; }

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

Property Value

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Class VirtualStorageState

Manages the state of the virtual storage. This class implements the singleton pattern and maintains the current setting of [FilterAndState](#).

Inheritance

NotifyNodeDelegate

↳ object (<https://learn.microsoft.com/dotnet/api/system.object>)
↳ [\(AkiraNetwork.VirtualStorageLibrary\)](#)
↳ [VirtualStorageState](#)
↳ [PatternMatch](#)

Inherited Members

VirtualCycleDetector

object.Equals(object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object)))
↳ [\(AkiraNetwork.VirtualStorageLibrary\)](#)

VirtualDirectory

object.Equals(object, object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object-system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-system-object)))
↳ [VirtualDirectoryAdapter<T>](#)

object.GetHashCode() (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)

object.GetType() (<https://learn.microsoft.com/dotnet/api/system.object.gettype>)
↳ [1.html](#)

object.MemberwiseClone() (<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)

object.ReferenceEquals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)
↳ [\(AkiraNetwork.VirtualStorageLibrary\)](#)

object.ToString() (<https://learn.microsoft.com/dotnet/api/system.object.tostring>)
↳ [VirtualGroupCondition<T, TKey>](#)

Namespace [AkiraNetwork](#) [AkiraNetwork.html](#).VirtualStorageLibrary ([AkiraNetwork.VirtualStorageLibrary.html](#))

Assembly

[VirtualStorageLibrary.dll](#)

Syntax

VirtualID

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

public class VirtualStorageState
↳ [\(AkiraNetwork.VirtualStorageLibrary\)](#)

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html)

Properties

InvalidNodeNameCharacters

(AkiraNetwork.VirtualStorageLibrary)

Gets or sets an array of characters that are invalid in node names.

VIRTUALNODECONTEXT

(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

public char[] InvalidNodeNameCharacters { get; set; }
↳ [VirtualNodeListConditions](#)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

Type

VirtualNodeNotFoundException

Description

char (<https://learn.microsoft.com/dotnet/api/system.char>)

[] VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

An array of characters that are invalid in node names.

InvalidNodeNames

Gets or sets an array of invalid node names.

Declaration

```
public string[] InvalidNodeNames { get; set; }
```

Property Value
(AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate

Type AkiraNetwork.VirtualStorageLibrary

PatternMatch
string (<https://learn.microsoft.com/dotnet/api/system.string>)[]
(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

NodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

Gets or sets the conditions for listing nodes.

VirtualDirectoryAdapter<T>

Declaration

1.html

VirtualException

public VirtualNodeListConditions NodeListConditions { get; set; }

(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>

Property Value
(AkiraNetwork.VirtualStorageLibrary)

2.html

VirtualID

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions.html)

Description

The conditions for listing nodes.

PathDot

1.html

Gets or sets the path representing the current directory. The default value is ":".

(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

Property Value
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

Type AkiraNetwork.VirtualStorageLibrary

Description

VirtualNodeListConditions
string (<https://learn.microsoft.com/dotnet/api/system.string>)
(AkiraNetwork.VirtualStorageLibrary)

The path representing the current directory.

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

PathDotDot NotFoundException

(AkiraNetwork.VirtualStorageLibrary)

Gets or sets the path representing the parent directory. The default value is "..".

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualNodeTypeFilter

```
public string PathDotDot { get; set; }
```

Property Value

Type	Description
string (https://learn.microsoft.com/dotnet/api/system.string)	The path representing the parent directory.

PathRoot

Gets or sets the root path. The default value is "/".

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

Declaration

```
(AkiraNetwork.VirtualStorageLibrary)
```

VirtualDirectory

```
public string PathRoot { get; set; }
```

VirtualDirectoryAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

Property Value

1.html

Type	Description
virtualException	

(AkiraNetwork.VirtualStorageLibrary)

string (<https://learn.microsoft.com/dotnet/api/system.string>)

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

2.html

PathSeparator

(AkiraNetwork.VirtualStorageLibrary)

Gets or sets the path separator character. The default value is '/'.

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

```
public char PathSeparator { get; set; }
```

1.html

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

Property Value

1.html

Type	Description
VirtualNode	

char (<https://learn.microsoft.com/dotnet/api/system.char>)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

Gets or sets the prefix used for directory names. The default value is "dir". Used for auto-generating node names.

(AkiraNetwork.VirtualStorageLibrary)

Declaration

NodeName

(AkiraNetwork.VirtualStorageLibrary)

```
public string PrefixDirectory { get; set; }
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Type	Description
string (https://learn.microsoft.com/dotnet/api/system.string)	The prefix used for directory names.

PrefixItem

Gets or sets the prefix used for item names. The default value is "item". Used for auto-generating node names.
 (AkiraNetwork.VirtualStorageLibrary)

Declaration

(AkiraNetwork.VirtualStorageLibrary)

```
public string PrefixItem { get; set; }
```

(AkiraNetwork.VirtualStorageLibrary)

Property Value

(AkiraNetwork.VirtualStorageLibrary)

Type

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary)

string (<https://learn.microsoft.com/dotnet/api/system.string>)

Description

The prefix used for item names.

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualException

(AkiraNetwork.VirtualStorageLibrary)

Gets or sets the prefix used for symbolic link names. The default value is "link". Used for auto-generating node names.
 (AkiraNetwork.VirtualStorageLibrary)

2.html)

Declaration

VirtualID

(AkiraNetwork.VirtualStorageLibrary)

```
public string PrefixSymbolicLink { get; set; }
```

(AkiraNetwork.VirtualStorageLibrary)

Property Value

(AkiraNetwork.VirtualStorageLibrary)

Type

.html)

VirtualItem<T>

VirtualItem<T> (<https://learn.microsoft.com/dotnet/api/system.string>)

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualNode

State

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

Gets the current instance of the state.
 (AkiraNetwork.VirtualStorageLibrary)

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

```
public static VirtualStorageState State { get; }
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

Property Value

(AkiraNetwork.VirtualStorageLibrary)

Type

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

Description

VirtualStorageState ([AkiraNetwork.VirtualStorageLibrary.VirtualStorageState.html](#))

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

WildcardMatcher

Gets or sets the wildcard matcher.

Declaration

```
public IVirtualWildcardMatcher? WildcardMatcher { get; set; }
```

Property	Value	Description
Type	(AkiraNetwork.VirtualStorageLibrary) NotifyNodeDelegate	
IVirtualWildcardMatcher	(AkiraNetwork.VirtualStorageLibrary) (AkiraNetwork.VirtualStorageLibrary.IVirtualWildcardMatcher.html)	The wildcard matcher.

Methods

VirtualDirectoryAdapter<T>

(AkiraNetwork.VirtualStorageLibrary) 1.html)

Set NodeListConditions(Virtual NodeListConditions)

Sets the conditions for listing nodes.

(AkiraNetwork.VirtualStorageLibrary) VirtualGroupCondition<T, TKey>

Declaration

(AkiraNetwork.VirtualStorageLibrary) 2.html)

```
public static void Set NodeListConditions(Virtual NodeListConditions conditions)
```

(AkiraNetwork.VirtualStorageLibrary) VirtualItem

Parameters

(AkiraNetwork.VirtualStorageLibrary) VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary) Virtual NodeListConditions

1.html)

(AkiraNetwork.VirtualStorageLibrary) VirtualItem <T>

(AkiraNetwork.VirtualStorageLibrary) 1.html)

(AkiraNetwork.VirtualStorageLibrary) VirtualNode

1.html)

Set NodeListConditions(Virtual NodeTypeFilter,

(AkiraNetwork.VirtualStorageLibrary) VirtualGroupCondition<VirtualNode, object>?,

List<VirtualSortCondition<VirtualNode>>?)

(AkiraNetwork.VirtualStorageLibrary) VirtualNodeContext

Sets the conditions for listing nodes.

(AkiraNetwork.VirtualStorageLibrary) Virtual NodeListConditions

(AkiraNetwork.VirtualStorageLibrary) VirtualNodeType

```
public static void Set NodeListConditions(Virtual NodeTypeFilter filter, VirtualGroupCondition
```

<VirtualNode, object>? groupCondition = null, List<VirtualSortCondition<VirtualNode>>? sortC

onditions = null)

(AkiraNetwork.VirtualStorageLibrary) VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary) VirtualNode

Parameters

(AkiraNetwork.VirtualStorageLibrary) Virtual NodeTypeFilter

VirtualGroupCondition<VirtualNode, object>?

VirtualNodeContext?

Virtual NodeListConditions?

VirtualSortCondition<VirtualNode>?

VirtualNodeType?

VirtualNodeException?

Type	Name	Description
VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html)	<i>filter</i>	The filter for node types.
VirtualGroupCondition (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition-2.html) <VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html), object (https://learn.microsoft.com/dotnet/api/system.object)> (AkiraNetwork.VirtualStorageLibrary)	<i>groupCondition</i>	The condition for grouping nodes.
NotifyNodeDelegate List (https://learn.microsoft.com/dotnet/api/system.collections.generic.list-1) (AkiraNetwork.VirtualStorageLibrary) < PatternMatch (AkiraNetwork.VirtualStorageLibrary) VirtualSortCondition (AkiraNetwork.VirtualStorageLibrary) <VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)>> VirtualDirectory (AkiraNetwork.VirtualStorageLibrary) VirtualDirectoryAdapter<T> (AkiraNetwork.VirtualStorageLibrary)	<i>sortConditions</i>	The conditions for sorting nodes.

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utils
s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary)

VirtualItem
(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>
(AkiraNetwork.VirtualStorageLibrary)

VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary)

VirtualNode
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)

VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary)

Class VirtualStorage<T>

Manages virtual storage containing user-defined type T item data.

Filter by title

Inheritance

(AkiraNetwork.VirtualStorageLibrary)
↳ object (<https://learn.microsoft.com/dotnet/api/system.object>)
 ↳ NotifyNodeDelegate
 ↳ VirtualStorage<T>
 (AkiraNetwork.VirtualStorageLibrary)

Inherited Members

(AkiraNetwork.VirtualStorageLibrary)
object.Equals(object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object)))
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary)
object.Equals(object, object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object-system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-system-object)))
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary)
object.GetHashCode() (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)
VirtualDirectoryAdapter<T>
object.GetType() (<https://learn.microsoft.com/dotnet/api/system.object.gettype>)
(AkiraNetwork.VirtualStorageLibrary)
object.MemberwiseClone() (<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)
1.html
object.ReferenceEquals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)
VirtualException
object.ToString() (<https://learn.microsoft.com/dotnet/api/system.object.tostring>)
(AkiraNetwork.VirtualStorageLibrary)

Name space AkiraNetwork (AkiraNetwork.html).VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

Assembly AkiraNetwork.VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

Syntax

VirtualID
(AkiraNetwork.VirtualStorageLibrary)
public class VirtualStorage<T>
 VirtualItem
(AkiraNetwork.VirtualStorageLibrary)

Type Parameters Adapter<T>

Name	Description
T	The user-defined type within the virtual storage

(AkiraNetwork.VirtualStorageLibrary)

1.html

Constructors

VirtualNode
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary)

VirtualStorage()

VirtualNodeExtensions
Initializes a new instance of the VirtualStorage class.
(AkiraNetwork.VirtualStorageLibrary)

Declaration
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName
public VirtualStorage()
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeTypeFilter

Properties

CurrentPath

Gets or sets the current virtual path.

Declaration

```
public VirtualPath CurrentPath { get; }
```

Property Value (AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate

Type (AkiraNetwork.VirtualStorageLibrary)

PatternMatch
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)
(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

CycleDetectorForTarget

(AkiraNetwork.VirtualStorageLibrary)

Gets the cycle detector class used for the WalkPathToTarget method.

VirtualDirectoryAdapter<T>

Declaration (AkiraNetwork.VirtualStorageLibrary)

1.html

VirtualException

```
public VirtualCycleDetector CycleDetectorForTarget { get; }
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>

Property Value (AkiraNetwork.VirtualStorageLibrary)

2.html

VirtualID

VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector.html)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

CycleDetectorForTree

(AkiraNetwork.VirtualStorageLibrary)

1.html

Gets the cycle detector class used for the WalkPathTree method.

VirtualItem<T>

Declaration (AkiraNetwork.VirtualStorageLibrary)

1.html

```
public VirtualCycleDetector CycleDetectorForTree { get; }
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

Type virtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector.html)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualnodeName

Dir (AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

Declaration (AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

```
public VirtualDirectoryAdapter<T> Dir { get; }
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Description

Description

Description

Property Value

Type	Description
VirtualDirectoryAdapter (AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter-1.html) <T>	

▼

this[VirtualPath, bool]

(AkiraNetwork.VirtualStorageLibrary)

Declaration

NotifyNodeDelegate

```
(AkiraNetwork.VirtualStorageLibrary)
public VirtualNode this[VirtualPath path, bool followLinks = true] { get; set; }
```

(AkiraNetwork.VirtualStorageLibrary)

Parameters

(AkiraNetwork.VirtualStorageLibrary)

Type VirtualDirectory

VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualDirectoryAdapter<T>

bool (<https://learn.microsoft.com/dotnet/api/system.boolean>)

(AkiraNetwork.VirtualStorageLibrary)

1.html)

Property Value

(AkiraNetwork.VirtualStorageLibrary)

Type VirtualGroupCondition<T, TKey>

VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

2.html)

VirtualID

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>

```
(AkiraNetwork.VirtualStorageLibrary)
public VirtualItemAdapter<T> Item { get; }
```

1.html)

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualNode

VirtualItemAdapter (AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter-1.html) <T>

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

Link

(AkiraNetwork.VirtualStorageLibrary)

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

```
(AkiraNetwork.VirtualStorageLibrary)
public SymbolicLinkAdapter<T> Link { get; }
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Type	Description
VirtualSymbolicLinkAdapter (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLinkAdapter-1.html) <T>	

▼

LinkDictionary

VirtualStorageLibrary
NotifyNodeDelegate
Declaration
(AkiraNetwork.VirtualStorageLibrary
PatternMatch
public Dictionary<VirtualPath, HashSet<VirtualPath>> LinkDictionary { get; }
(AkiraNetwork.VirtualStorageLibrary
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary

Property Value

Type	Description
VirtualDirectory Adapter (https://learn.microsoft.com/dotnet/api/system.collections.generic.dictionary-2)< (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html), HashSet (https://learn.microsoft.com/dotnet/api/system.collections.generic.hashset-1)< VirtualPath> (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)>>	
VirtualDirectory Adapter (https://learn.microsoft.com/dotnet/api/system.collections.generic.dictionary-2)< (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary	
Root 2.html)	

VirtualID
Gets the root directory of the virtual storage.
(AkiraNetwork.VirtualStorageLibrary

Declaration

VirtualItem
(AkiraNetwork.VirtualStorageLibrary
VirtualItemAdapter<T>
VirtualDirectory Root { get; }
(AkiraNetwork.VirtualStorageLibrary
1.html)

Property Value

Type	Description
VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary 1.html)	

VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)

VirtualNode
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary

Methods

VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary

VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary

AddDirectory(VirtualPath, VirtualDirectory, bool)

VirtualNodeName
Declaration
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeNotFoundException
public void AddDirectory(VirtualPath directoryPath, VirtualDirectory directory, bool creates
(AkiraNetwork.VirtualStorageLibrary
subdirectories = false)
VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeTypeFilter

Type		Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)		<i>itemPath</i>	
T		<i>data</i>	
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	▼	<i>overwrite</i>	

(AkiraNetwork.VirtualStorageLibrary)

AddLinkToDictionary(VirtualPath, VirtualPath)

(AkiraNetwork.VirtualStorageLibrary)
Declaration
PatternMatch

```
public void AddLinkToDictionary(VirtualPath targetPath, VirtualPath linkPath)
```

(AkiraNetwork.VirtualStorageLibrary)
VirtualDirectory
Parameters

Type	Name	Description
VirtualDirectoryAdapter<T>		
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) 1.html)	<i>targetPath</i>	

VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualException
(AkiraNetwork.VirtualStorageLibrary)
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary)
2.html)

AddNode(VirtualPath, VirtualNode, bool)

Declaration
VirtualID

```
public void AddNode(VirtualPath nodeDirectoryPath, VirtualNode node, bool overwrite = false)
```

(AkiraNetwork.VirtualStorageLibrary)
VirtualItemAdapter<T>
Parameters

Type	Name	Description
VirtualItem<T>		
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) (AkiraNetwork.VirtualStorageLibrary)	<i>nodeDirectoryPath</i>	
VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)	<i>node</i>	

VirtualNode
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtension
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeManager

```
public void AddSymbolicLink(VirtualPath linkPath, VirtualPath? targetPath = null, bool overw
```

rite)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>linkPath</i>	
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>targetPath</i>	
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	<i>overwrite</i>	

(AkiraNetwork.VirtualStorageLibrary)

AddSymbolicLink(VirtualPath, VirtualSymbolicLink, bool)

(AkiraNetwork.VirtualStorageLibrary)
Declaration
PatternMatch

```
public void AddSymbolicLink(VirtualPath linkDirectoryPath, VirtualSymbolicLink link, bool overwrite = false)
```

(AkiraNetwork.VirtualStorageLibrary)
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary)

Parameters

Type	Name	Description
VirtualDirectoryAdapter<T>		
(AkiraNetwork.VirtualStorageLibrary)		
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>linkDirectoryPath</i>	
VirtualException		
VirtualSymbolicLink	<i>link</i>	
(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)		
VirtualGroupCondition<T, TKey>		
bool (https://learn.microsoft.com/dotnet/api/system.boolean) 2.html)	<i>overwrite</i>	

VirtualID

(AkiraNetwork.VirtualStorageLibrary)

ChangeDirectory(VirtualPath)

(AkiraNetwork.VirtualStorageLibrary)
Declaration
VirtualItemAdapter<T>

```
public void ChangeDirectory(VirtualPath path)
```

VirtualItem<T>

Parameters

Type	Name	Description
VirtualNode		

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

```
public VirtualPath ConvertToAbsolutePath(VirtualPath? relativePath, VirtualPath? basePath = null)
```

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

Parameters

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary)		

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>relativePath</i>	
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>basePath</i>	

Returns

Type	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	

CopyNode(VirtualPath, VirtualPath, bool, bool, bool, List<VirtualNodeContext>?)
VirtualCycleDetector

Declaring Akira Network Virtual Storage Library

VirtualDirectory

(AkiraNetwork VirtualStorage Library)

```
public void CopyNode(virtualPath sourcePath, virtualPath destinationPath, bool overwrite = false, bool recursive<T> = false, bool followLinks = false, List<VirtualNodeContext>? destinationContextList = null)
```

1.html)

VirtualException

Parameters (Akira N)

Type	Description
VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary)	
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) 2.html	sourcePath
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) (AkiraNetwork.VirtualStorageLibrary)	destinationPath
bool (https://learn.microsoft.com/dotnet/api/system.boolean) VirtualItem	overwrite
bool (AkiraNetwork.VirtualStorageLibrary)	recursive
VirtualItemAdapter<T>	
bool (AkiraNetwork.VirtualStorageLibrary)	followLinks
1.html) List (https://learn.microsoft.com/dotnet/api/system.collections.generic.list- VirtualItem<T> 1) (AkiraNetwork.VirtualStorageLibrary < 1.html) VirtualNodeContext VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html) (AkiraNetwork.VirtualStorageLibrary > VirtualNodeContext	destinationContextList

DirectionExists(VirStrPath, b00)

VirtualNodeListConditions

Declaration Akira Network Virtual Storage library

(AKTA NETWORK.Virt
VirtualNodeName

```
public bool DirectoryExists(VirtualPath path, bool followlinks = false)
```

(AkitaNetwork.VII) dualStorageEIS
VirtualMachineNetworkCardEIS section

VirtualNodeNotFound

(AkiraNetwork.VI meters

VirtualNode type

(AkiraNetwork.VirtualS

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	followLinks	

Returns

Type	Description
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	

ExpandPath(VirtualPath, VirtualNodeTypeFilter, bool, bool)

Declaration

```
(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory)
public IEnumerable<VirtualPath> ExpandPath(VirtualPath path, VirtualNodeTypeFilter filter =
    VirtualNodeTypeFilter.All, bool followLinks = true, bool resolveLinks = true)
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)
```

Parameters

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	
VirtualNodeTypeFilter	filter	
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	followLinks	
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	resolveLinks	

Returns

Type	Description
VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.IEnumerable<T>)	

ExpandPathTree(VirtualPath, VirtualNodeTypeFilter, bool, bool)

Declaration

```
(AkiraNetwork.VirtualStorageLibrary.VirtualNode)
public IEnumerable<VirtualNode> ExpandPathTree(VirtualPath path, VirtualNodeTypeFilter filter =
    VirtualNodeTypeFilter.All, bool followLinks = true, bool resolveLinks = true)
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)
```

Parameters

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	

Type	Name	Description
VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html)	<i>filter</i>	
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	<i>followLinks</i>	
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	<i>resolveLinks</i>	

(AkiraNetwork.VirtualStorageLibrary)

Returns NotifyNodeDelegate

Type	Description
AkiraNetwork.VirtualStorageLibrary	PatternMatch IEnumerable< https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1 >< AkiraNetwork.VirtualStorageLibrary VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html)> VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory

GetDirectory(VirtualPath, bool)

VirtualDirectoryAdapter<T>

Declaration All Network Virtual Storage libraries

(Akruw
1.html)

```
public virtual DirectoryInfo GetDirectory(VirtualPath path, bool followLinks = false)
```

[VirtualException](#) [factory](#) [getDB\(\)](#)

(AkiraNetwork.VirtualStorageLib)

Parameters

VirtualGroupCondition<T, TKey>

(AkiraN)

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) (AkiraNetwork.VirtualStorageLibrary.VirtualPath.cs)	<i>path</i>	
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	<i>followLinks</i>	

(AkiraNetwork.VirtualSt

Returns VirtualItemAdapter<T>

Type	Description
(AkiraNetwork.VirtualStorageLibrary.html)	
VirtualDirectoryType	AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualN

GetItem(VirtualPath, bool)

VirtualNodeContext

Declaration for consent
(AkiraNetwork VirtualStorage library)

VirtualNetwork.virtual

```
public VirtualItem<T> GetItem(VirtualNodeExtensions
```

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeListConditions

Paramètres Network Virtual Storage

VirtualNodeName

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)(https://learn.microsoft.com/dotnet/api/system.boolean)	followLinks	
VirtualNodeType		

(AkiraNetwork.VirtualStorageLibrary)

Returns `VirtualNodeTypeFilter`

Type	Description
VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) <T>	

GetLinksFromDictionary(VirtualPath)

Declaration

```
(AkiraNetwork.VirtualStorageLibrary)
    NotifyNodeDelegate
public HashSet<VirtualPath> GetLinksFromDictionary(VirtualPath targetPath)
(AkiraNetwork.VirtualStorageLibrary)
    PatternMatch
```

Parameters

Type	Name	Description
VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary)		

VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

targetPath

Returns

Type	Description
VirtualException (https://learn.microsoft.com/dotnet/api/system.collections.generic.hashset-1) <VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)>	

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

2.html)

GetNode(VirtualPath, bool)

(AkiraNetwork.VirtualStorageLibrary)

Declaration

```
VirtualItem
(AkiraNetwork.VirtualStorageLibrary)
public VirtualNode GetNode(VirtualPath path, bool followLinks = false)
VirtualItemAdapter<T>
(AkiraNetwork.VirtualStorageLibrary)
```

Parameters

Type	Name	Description
VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary)		
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>path</i>	

bool (https://learn.microsoft.com/dotnet/api/system.boolean)

followLinks

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

Type	Description
VirtualNodeExtensions (AkiraNetwork.VirtualStorageLibrary)	

VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

GetNodeType(VirtualPath, bool)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

```
public VirtualNodeType GetNodeType(VirtualPath path, bool followLinks = false)
```

Parameters

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) (AkiraNetwork.VirtualStorageLibrary bool (https://learn.microsoft.com/dotnet/api/system.boolean) NotifyNodeDelegate (AkiraNetwork.VirtualStorageLibrary	path	
PatternMatch	followLinks	

Returns

Type	Description
VirtualCycleDetector	
VirtualNodeType (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html) (AkiraNetwork.VirtualStorageLibrary	
VirtualDirectory	

GetNodes(VirtualNodeTypeFilter, bool, bool)

Declaration

```
p(AkiraNetwork.VirtualStorageLibrary) GetNodes(VirtualNodeTypeFilter nodeType = VirtualNodeTypeFil  
tVirtualGroupConditions, bool recursive, bool followLinks = false)  
(AkiraNetwork.VirtualStorageLibrary  
2.html)
```

Parameters

Type	Name	Description
AkiraNetwork.VirtualStorageLibrary		
VirtualItem		
VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html) VirtualItemAdapter<T>	nodeType	
bool (https://learn.microsoft.com/dotnet/api/system.boolean) 1.html)	recursive	
bool (https://learn.microsoft.com/dotnet/api/system.boolean) VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary	followLinks	

Returns

Type	Description
VirtualNode (AkiraNetwork.VirtualStorageLibrary IEnumerable (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1)< VirtualNodeContext VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)> VirtualNodeExtensions (AkiraNetwork.VirtualStorageLibrary	

GetNodes(VirtualPath, VirtualNodeTypeFilter, bool, bool)

Declaration

```
pVirtualNodeNotFoundException > GetNodes(VirtualPath basePath, VirtualNodeTypeFilter nodeTyp  
e(AkiraNetwork.VirtualStorageLibrary  
VirtualNodeType  
(AkiraNetwork.VirtualStorageLibrary
```

Parameters

VirtualNodeTypeFilter

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	basePath	
VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html)	nodeType	
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	recursive	
bool (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	followLinks	

NotifyNodeDelegate

Returns AkiraNetwork.VirtualStorageLibrary.VirtualNode

Type	Description
PatternMatch (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	
IEnumerable<VirtualPath> (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1)<VirtualPath>	
VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)	

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualDirectoryAdapter<T>

GetNodesWithPaths(VirtualNodeTypeFilter, bool, bool)

1.html

VirtualException

```
public IEnumerable<VirtualPath> GetNodesWithPaths(VirtualNodeTypeFilter nodeType = VirtualNodeTypeFilter.All, bool recursive = false, bool followLinks = false)
```

2.html

Parameters

Type	Name	Description
VirtualItem		
VirtualNodeTypeFilter	nodeType	
VirtualGroupCondition<T, TKey>		
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	recursive	
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	followLinks	

1.html

VirtualNode

Type	Description
VirtualNodeContext	
VirtualPath (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1)<VirtualPath>	

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeListConditions

GetNodesWithPaths(VirtualPath, VirtualNodeTypeFilter, bool, bool)

Declaration

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNotFoundException

```
public IEnumerable<VirtualPath> GetNodesWithPaths(VirtualPath basePath, VirtualNodeTypeFilter nodeType = VirtualNodeTypeFilter.All, bool recursive = false, bool followLinks = false)
```

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Parameters

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	basePath	
VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html)	nodeType	
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	recursive	
bool (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	followLinks	

NotifyNodeDelegate

Returns AkiraNetwork.VirtualStorageLibrary.

Type	Description
PatternMatch (AkiraNetwork.VirtualStorageLibrary.	
IEnumerable<VirtualPath> (learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1)< VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)>	

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary.

VirtualDirectoryAdapter<T>

GetSymbolicLink(VirtualPath)

Declaration

VirtualException

(AkiraNetwork.VirtualStorageLibrary.

public VirtualSymbolicLink GetSymbolicLink(VirtualPath path)

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary.

Parameters

Type	Name	Description
VirtualID (AkiraNetwork.VirtualStorageLibrary.		
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	

Returns VirtualItemAdapter<T>

Type	Description
VirtualItemLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)	

(AkiraNetwork.VirtualStorageLibrary.

1.html)

VirtualNode

ItemExists(VirtualPath, bool)

Declaration

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary.

VirtualNodeExtensions

public bool ItemExists(VirtualPath path, bool followLinks = false)

(AkiraNetwork.VirtualStorageLibrary.

VirtualNodeListConditions

Parameters

Type	Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.		
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	followLinks	

(AkiraNetwork.VirtualStorageLibrary.

Returns VirtualNodeTypeFilter

Type	Description
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	

MoveNode(VirtualPath, VirtualPath, bool, bool)

Declaration

```
(AkiraNetwork.VirtualStorageLibrary)
    NotifyNodeDelegate
public void MoveNode(VirtualPath sourcePath, VirtualPath destinationPath, bool overwrite = false, bool resolveLinks = true)
{
    PatternMatch
        (AkiraNetwork.VirtualStorageLibrary)
}
VirtualCycleDetector
```

Parameters

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary)		
VirtualDirectory		
VirtualPath (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	sourcePath	
VirtualDirectoryAdapter<T>		
VirtualPath (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	destinationPath	
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	overwrite	
VirtualException		
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	resolveLinks	

NodeExists(VirtualPath, bool)

Declaration

```
(AkiraNetwork.VirtualStorageLibrary)
    VirtualItem
public bool NodeExists(VirtualPath path, bool followLinks = false)
{
    VirtualItemAdapter<T>
        (AkiraNetwork.VirtualStorageLibrary)
}
VirtualID
```

Parameters

Type	Name	Description
VirtualItem<T>		
(AkiraNetwork.VirtualStorageLibrary)		
VirtualPath (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	followLinks	

Returns

```
(AkiraNetwork.VirtualStorageLibrary)
    VirtualNodeContext
public bool NodeExists(VirtualPath path, bool followLinks)
{
    VirtualNodeExtensions
        (AkiraNetwork.VirtualStorageLibrary)
}
VirtualNode
```

Type	Description
VirtualNodeExtensions	

RemoveLinkByLinkPath(VirtualPath)

Declaration

```
(AkiraNetwork.VirtualStorageLibrary)
    VirtualNodeNotFoundException
public void RemoveLinkByLinkPath(VirtualPath linkPath)
{
    VirtualNodeType
        (AkiraNetwork.VirtualStorageLibrary)
}
VirtualNodeTypeFilter
```

Parameters

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	linkPath	



RemoveLinkFromDictionary(VirtualPath, VirtualPath)

(AkiraNetwork.VirtualStorageLibrary)

Declaration

NotifyNodeDelegate

(AkiraNetwork.VirtualStorageLibrary)

```
public void RemoveLinkFromDictionary(VirtualPath targetPath, VirtualPath linkPath)
```

PatternMatch

(AkiraNetwork.VirtualStorageLibrary)

Parameters

(AkiraNetwork.VirtualStorageLibrary)

Type VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectoryAdapter<T>

VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualException

(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

2.html)

```
public void RemoveNode(VirtualPath nodePath, bool recursive = false, bool followLinks = false)
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

Parameters VirtualItemAdapter<T>

Type (AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualItem<T>

bool (AkiraNetwork.VirtualStorageLibrary)

1.html)

bool (https://learn.microsoft.com/dotnet/api/system.boolean)

VirtualNode

bool (AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

ResolveLinkTarget(VirtualPath)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

```
public VirtualPath ResolveLinkTarget(VirtualPath path)
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	

Returns

Type	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) (AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate)	

SetLinkTargetNodeType(HashSet<VirtualPath>, VirtualNodeType)

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory)
Declaration:
 VirtualCycleDetector
 (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory)
 public void SetLinkTargetNodeType(HashSet<VirtualPath> linkPathSet, VirtualNodeType nodeType)
 e) (AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter<T>
 VirtualDirectoryAdapter<T>
 (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory)

Parameters

Type	Name	Description
VirtualException		
HashSet<(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)>	linkPathSet	
1) VirtualGroupCondition<T, TKey> <VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)> 2.html)		

VirtualNodeType (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html)

nodeType

SetNode(VirtualPath, VirtualNode)

(AkiraNetwork.VirtualStorageLibrary.VirtualItem)
Declaration:
 VirtualItem
 (AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter<T>
 1.html)
 VirtualItem<T> SetNode(VirtualPath destinationPath, VirtualNode node)
 (AkiraNetwork.VirtualStorageLibrary.VirtualItem)
 1.html)

Parameters

Type	Name	Description
VirtualNodeContext		
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) (AkiraNetwork.VirtualStorageLibrary.VirtualPath)	destinationPath	

VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

node

SetnodeName(VirtualPath, VirtualNodeName, bool)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName)
Declaration:
 VirtualNodeNotFoundException
 (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName)
 public void SetnodeName(VirtualPath nodePath, VirtualNodeName newName, bool resolveLinks = true)
 (AkiraNetwork.VirtualStorageLibrary.VirtualNodeNameFilter)

VirtualNodeTypeFilter


```
public VirtualItem<T>? TryGetItem(VirtualPath path, bool followLinks = false)
```

Parameters

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	
bool (https://learn.microsoft.com/dotnet/api/system.boolean) NotifyNodeDelegate (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	followLinks	

Returns

Type	Description
VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)	

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory)

VirtualDirectoryAdapter<T>

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter)

TryGetNode(VirtualPath, bool)

Declaration

```
public VirtualItem<T>? TryGetNode(VirtualPath path, bool followLinks = false)
```

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition)

Parameters

Type	Name	Description
VirtualID (AkiraNetwork.VirtualStorageLibrary.VirtualID)		
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)	path	

Returns

VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)

Type	Description
VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)	

VirtualNode

(AkiraNetwork.VirtualStorageLibrary.VirtualNode)

VirtualNodeCondition
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeCondition)

TryGetSymbolicLink(VirtualPath)

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions)

VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)

VirtualNodeName
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName)

Type	Name	Description
VirtualNotFoundException (AkiraNetwork.VirtualStorageLibrary.VirtualNotFoundException)		
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType)

Type	Description
VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter)	

Type	Description
VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)	

TryResolveLinkTarget(VirtualPath)

Declaration

```
(AkiraNetwork.VirtualStorageLibrary)
    NotifyNodeDelegate
public VirtualPath? TryResolveLinkTarget(VirtualPath path)
(AkiraNetwork.VirtualStorageLibrary)
    PatternMatch
```

Parameters

Type	Name	Description
VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary)		

Type	VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path
VirtualPath (AkiraNetwork.VirtualStorageLibrary)	(AkiraNetwork.VirtualStorageLibrary)	

Returns

Type	Description
VirtualException (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	

Type	Description
VirtualException (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	

UpdateAllTargetNodeTypesInDictionary()

Declaration

```
(AkiraNetwork.VirtualStorageLibrary)
    VirtualItem
public void UpdateAllTargetNodeTypesInDictionary()
(AkiraNetwork.VirtualStorageLibrary)
    VirtualItemAdapter<T>
(AkiraNetwork.VirtualStorageLibrary)
```

Parameters

Type	VirtualItem<T>	VirtualItem
(AkiraNetwork.VirtualStorageLibrary)		

UpdateDirectory(VirtualPath, VirtualDirectory)

Declaration

```
(AkiraNetwork.VirtualStorageLibrary)
    1.html
VirtualNode
public void UpdateDirectory(VirtualPath directoryPath, VirtualDirectory newDirectory)
(AkiraNetwork.VirtualStorageLibrary)
    VirtualNodeContext
```

Parameters

Type	Name	Description
VirtualNodeExtensions (AkiraNetwork.VirtualStorageLibrary)		
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	directoryPath	

Type	VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)	newDirectory
VirtualDirectoryName (AkiraNetwork.VirtualStorageLibrary)		

Exceptions

VirtualNodeNotFoundException

UpdateItem(VirtualPath, VirtualItem<T>)

Declaration

```
(AkiraNetwork.VirtualStorageLibrary)
    VirtualNodeType
VirtualNodeTypeFilter
```

```
public void UpdateItem(VirtualPath itemPath, VirtualItem<T> newItem)
```

Parameters

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>itemPath</i>	
(AkiraNetwork.VirtualStorageLibrary.VirtualItem<T>)	<i>newItem</i>	

(AkiraNetwork.VirtualStorageLibrary.PatternMatch
PatternMatch

UpdateLinkInDictionary(VirtualPath, VirtualPath)

VirtualCycleDetector

Declaration (AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory

```
public void UpdateLinkInDictionary(VirtualPath linkPath, VirtualPath newTargetPath)
```

VirtualDirectoryAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

Parameters 1.html)

Type VirtualException

Name

Description

(AkiraNetwork.VirtualStorageLibrary)

linkPath

VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

newTargetPath

2.html)

VirtualID

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

UpdateLinksToTarget(VirtualPath, VirtualPath)

Declaration (AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>

```
public void UpdateLinksToTarget(VirtualPath oldTargetPath, VirtualPath newTargetPath)
```

1.html)

VirtualItem<T>

Parameters (AkiraNetwork.VirtualStorageLibrary)

1.html)

Name

Description

VirtualNode

VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

oldTargetPath

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

newTargetPath

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

UpdateSymbolicLink(VirtualPath, VirtualSymbolicLink)

Declaration (AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

```
public void UpdateSymbolicLink(VirtualPath linkPath, VirtualSymbolicLink newLink)
```

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>linkPath</i>	
VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)	<i>newLink</i>	

▼

UpdateTargetNodeTypesInDictionary(VirtualPath)

(AkiraNetwork.VirtualStorageLibrary)

Declaration

(AkiraNetwork.VirtualStorageLibrary)

```
public void UpdateTargetNodeTypesInDictionary(VirtualPath targetPath)
    (AkiraNetwork.VirtualStorageLibrary)
```

VirtualCycleDetector

Parameters

(AkiraNetwork.VirtualStorageLibrary)

Type	Name	Description
VirtualDirectory		

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>targetPath</i>	
---	-------------------	--

VirtualDirectoryAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualException

WalkPathToTarget(VirtualPath, NotifyNodeDelegate?, ActionNodeDelegate?, bool, bool)

(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>

Declaration

(AkiraNetwork.VirtualStorageLibrary)

2.html)

```
public VirtualNodeContext WalkPathToTarget(VirtualPath targetPath, NotifyNodeDelegate? notifyNode = null, ActionNodeDelegate? actionNode = null, bool followLinks = true, bool exceptionEnabled = true)
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

Type	Name	Description
.html)		

VirtualItem<T>		
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>targetPath</i>	

(AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate		
(AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate.html)	<i>notifyNode</i>	

(AkiraNetwork.VirtualStorageLibrary)

ActionNodeDelegate		
VirtualNodeContext		

(AkiraNetwork.VirtualStorageLibrary.ActionNodeDelegate.html)

(AkiraNetwork.VirtualStorageLibrary)

bool (https://learn.microsoft.com/dotnet/api/system.boolean)	<i>followLinks</i>	
(AkiraNetwork.VirtualStorageLibrary)		

bool (https://learn.microsoft.com/dotnet/api/system.boolean)

VirtualNodeListConditions		
(AkiraNetwork.VirtualStorageLibrary)	<i>exceptionEnabled</i>	

(AkiraNetwork.VirtualStorageLibrary)

Returns

VirtualNodeName

Type	Description
VirtualNodeNotFoundException	
VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html)	

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

WalkPathTree(VirtualPath, VirtualNodeTypeFilter, bool, bool, bool)

Declaration

```
public IEnumerable<VirtualNodeContext> WalkPathTree(VirtualPath basePath, VirtualNodeTypeFilter filter = VirtualNodeTypeFilter.All, bool recursive = true, bool followLinks = true, bool resolveLinks = true)
```

(AkiraNetwork.VirtualStorageLibrary)

Parameters

NotifyNodeDelegate

Type	Name	Description
AkiraNetwork.VirtualStorageLibrary		
PatternMatch	basePath	
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)		
(AkiraNetwork.VirtualStorageLibrary)		
VirtVirtualNodeTypeFilter	filter	
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html)		
VirtualDirectory		
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	recursive	
(AkiraNetwork.VirtualStorageLibrary)		
bool VirtualDirectoryAdapter	followLinks	
(https://learn.microsoft.com/dotnet/api/system.boolean)		
(AkiraNetwork.VirtualStorageLibrary)		
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	resolveLinks	
1.html)		

VirtualException

Returns

AkiraNetwork.VirtualStorageLibrary

Type	Description
VirtualGroupCondition<T, TKey>	
(AkiraNetwork.VirtualStorageLibrary)	
IEnumerable (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1)<VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html)>	

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

VirtualTextFormatter_GenerateLinkTableDebugText<T>(VirtualStorage<T>)

(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilsilites_VirtualTextFormatter_GenerateLinkTableDebugText_1_AkiraNetwork_VirtualStorageLibrary_VirtualStorage__0_)

s_VirtualItemAdapter

VirtualTextFormatter_GenerateSingleTableDebugText<T>(T)

(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilsilites_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

VirtualTextFormatter_GenerateTreeDebugText<T>(VirtualStorage<T>, VirtualPath, bool, bool)

(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilsilites_VirtualTextFormatter_GenerateTreeDebugText_1_AkiraNetwork_VirtualStorageLibrary_VirtualStorage__0__Akira

Network_VirtualStorageLibrary_VirtualPath_System_Boolean_System_Boolean_)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Class VirtualSymbolicLink

Represents a virtual symbolic link. A virtual symbolic link provides a virtual reference to other nodes (directories, items, files, etc.) This class represents symbolic links within the virtual storage library and manages paths to other nodes.

(AkiraNetwork.VirtualStorageLibrary)

The virtual symbolic link supports the concept of NULL links. When the TargetPath is null, the link resolution is not performed during path traversal. This feature can be useful when the target is undefined or dynamically determined.

PatternMatch

(AkiraNetwork.VirtualStorageLibrary)

Inheritance

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

↳ object (<https://learn.microsoft.com/dotnet/api/system.object>)

↳ VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectoryAdapter<T>

Implements

(AkiraNetwork.VirtualStorageLibrary)

IVirtualDeepCloneable (AkiraNetwork.VirtualStorageLibrary.IVirtualDeepCloneable-1.html) <VirtualNode

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)>

Inherited Members

VirtualGroupCondition<T, TKey>

VirtualNode.Name

(AkiraNetwork.VirtualStorageLibrary)

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_Name)

2.html)

VirtualNode.CreatedDate

VirtualID

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_CreatedD

ate)

VirtualItem

VirtualNode.UpdatedDate

(AkiraNetwork.VirtualStorageLibrary)

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_Updated

Date)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNode.VID

1.html)

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_VID)

VirtualNode.IsReferencedInStorage

(AkiraNetwork.VirtualStorageLibrary)

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_IsReferen

cedinStorage)

VirtualNode

object.Equals(object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-object)))

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

object.Equals(object, object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-object-equals\(system-object-system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-object-equals(system-object-system-object)))

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

object.GetHashCode() (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)

(AkiraNetwork.VirtualStorageLibrary)

object.GetType() (<https://learn.microsoft.com/dotnet/api/system.object.gettype>)

(VirtualNodeListConditions)

object.MemberwiseClone() (<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)

(AkiraNetwork.VirtualStorageLibrary)

object.ReferenceEquals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)

VirtualNodeName

Name (AkiraNetwork.VirtualStorageLibrary.html).VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

VirtualNodeFaultedException

(AkiraNetwork.VirtualStorageLibrary)

Syntax

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

```
public class VirtualSymbolicLink : VirtualNode, IVirtualDeepCloneable<VirtualNode>
```

Constructors

VirtualSymbolicLink()

NotifyNodeDelegate

Initializes a new instance of the VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html) class. The node name is automatically generated using the VirtualNodeName.GenerateNodeName method.

Declaration (Akira N)

VirtualCycleDetector

```
(AkiraNetwork.VirtualStorageLibrary  
public VirtualSymbolicLink()  
VirtualDirectory  
(AkiraNetwork.VirtualStorageLibrary  
VirtualDirectoryAdapter<T>
```

VirtualSymbolicLink(VirtualNodeName)

1.html

InitialVirtualExistance of the VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html) class (AkiraNetwork.VirtualStorageLibrary)

VirtualC

VirtualStorageLibrary
(AkiraNetwork.VirtualStorageLibrary)

2.html)

```
public VirtualSymbolicLink(VirtualNodeName name)
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem Parameters

Parameters

(AkitaNetwork.VirtualStorageLibrary)

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter<T>)		
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName)	name	The name of the symbolic link.
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)		

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualSymbolicLink(VirtualNodeName, VirtualPath?)

(AkiraN
Initializes)

Creates a new instance of `VirtualNodeContext`

s with the specified name and target
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

Declaration (Ali, Naseem & Murtaza) ICS-2011

Vista al Nodista

Virtual
public

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName (AkiraNetwork.VirtualStorageLibrary)		
Type (AkiraNetwork.VirtualStorageLibrary)	Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary)	<i>name</i>	The name of the symbolic link.
VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary)		

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>targetPath</i>	The target path of the symbolic link.

VirtualSymbolicLink(VirtualNodeName, VirtualPath?, DateTime, DateTime)

(AkiraNetwork.VirtualStorageLibrary)
Initializes a new instance of the VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)
NotifyNodeDelegate
class with the specified name, target path, creation date, and update date.
(AkiraNetwork.VirtualStorageLibrary)

Declaration Pattern Match

(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector

```
public void QuasiSymbolicLink(VirtualMachineName name, VirtualPath targetPath, Date timeCreated, Date timeUpdated, VirtualStorageLibrary library, VirtualDisk store);
```

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary
operators

Parameters

—(AkiraNetwork VirtualStorage)

Type	Description
(AkiraNetwork.VirtualStorageLibrary 1.html) VirtualException VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) (AkiraNetwork.VirtualStorageLibrary)	<i>name</i>
VirtualGroupCondition<T> VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) (AkiraNetwork.VirtualStorageLibrary 2.html)	<i>targetPath</i>
DateTimedID (http://learn.microsoft.com/dotnet/api/system.datetime) (AkiraNetwork.VirtualStorageLibrary)	<i>createdDate</i>
VirtualItem DateTime (AkiraNetwork.VirtualStorageLibrary (https://learn.microsoft.com/dotnet/api/system.datetime) VirtualItemAdapter<T>	<i>updatedDate</i>

Properties

1.html)

Virtua|N

Virtuaal Node
deType
Virtual network v

NodeType

(AkiraNet)

VirtualNodeContext

Gets the type of the node. This class always returns **SymbolicLink**.
(AkiraNetwork.VirtualStorageLibrary)

DeclarativeNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

```
public override VirtualNodeType
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

Property Value

T VirtualNodeNetFoundException

Type VirtualNodeNotSupportedException

VirtualNodeType (`AkiraNetwork.VirtualStorageLibrary`)

VirtualNodeType

Type	Description
VirtualNodeNotFoundException (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType)	
VirtualNodeType (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html)	

Overrides

`NodeFilter`

VirtualNode.NodeType
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_NodeType)

TargetNodeType

Gets or sets the type of the target node of the symbolic link.

(AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate)
PatternMatch
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType TargetNodeType { get; set; })
(AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector)

Property Value

Type	Description
VirtualDirectory	(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html))

VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter<T>)

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html))

TargetPath

Gets or sets the target path of the symbolic link.
VirtualGroupCondition<T, TKey>

Declaration

(AkiraNetwork.VirtualStorageLibrary.VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html))

VirtualPath (VirtualPath? TargetPath { get; set; })

(AkiraNetwork.VirtualStorageLibrary.VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html))

VirtualItem

(AkiraNetwork.VirtualStorageLibrary.VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html))

VirtualItemAdapter<T>

(AkiraNetwork.VirtualStorageLibrary.VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html))

VirtualPath (VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html))

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary.VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html))

1.html)

Methods

(AkiraNetwork.VirtualStorageLibrary.VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html))

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary.VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html))

DeepClone(bool)

VirtualNodeExtensions

Creates a deep clone of the symbolic link.
(AkiraNetwork.VirtualStorageLibrary.VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html))

Declaration

(AkiraNetwork.VirtualStorageLibrary.VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html))

VirtualNodeName

public override VirtualNode DeepClone(bool recursive = false)

(AkiraNetwork.VirtualStorageLibrary.VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html))

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary.VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html))

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html))

VirtualNodeTypeFilter

Type	Name	Description
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	recursive	If true, all links are recursively cloned.

Returns

Type	Description
VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html) (AkiraNetwork.VirtualStorageLibrary.VirtualNode)	A deep clone of the symbolic link.

Overrides

[NotifyNodeDelegate](#)
[VirtualNode.DeepClone\(bool\)](#)
[PatternMatch](#)
[VirtualNode.DeepClone\(bool\)](#)
[\(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_DeepClone_System_Boolean\)](#)
[VirtualCycleDetector](#)

([AkiraNetwork.VirtualStorageLibrary.VirtualNode](#))
[VirtualDirectory](#)
[VirtualDirectoryAdapter<T>](#)

Returns a string representation of the symbolic link.
 ([AkiraNetwork.VirtualStorageLibrary.VirtualNode](#))

Declaration

[VirtualException](#)
[\(AkiraNetwork.VirtualStorageLibrary.VirtualNode\).ToString\(\)](#)

[VirtualGroupCondition<T, TKey>](#)
 ([AkiraNetwork.VirtualStorageLibrary.VirtualNode](#))

Returns

Type	Description
virtualID (AkiraNetwork.VirtualStorageLibrary.VirtualItem)	A string representation of the symbolic link. string (https://learn.microsoft.com/dotnet/api/system.string)

Overrides

[VirtualItemAdapter<T>](#)
[object.ToString\(\)](#) (<https://learn.microsoft.com/dotnet/api/system.object.tostring>)
 1.html)

VirtualItem<T>

[Update\(VirtualNode\)](#)
 ([AkiraNetwork.VirtualStorageLibrary.VirtualNode](#))

Updates the current symbolic link with the data from the specified node.

[VirtualNode](#)

[Declaration](#)
 ([AkiraNetwork.VirtualStorageLibrary.VirtualNode](#))

[VirtualNodeContext](#)

[\(AkiraNetwork.VirtualStorageLibrary.VirtualNode\).Update\(VirtualNode node\)](#)

[VirtualNodeExtensions](#)

[\(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions\)](#)

Parameters

[VirtualNodeListConditions](#)

Type	Name	Description
AkiraNetwork.VirtualStorageLibrary.VirtualNodeName VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html) (AkiraNetwork.VirtualStorageLibrary.VirtualNode)	node	The node to use for the update.

[VirtualNodeNotFoundException](#)

[Overrides](#)
 ([AkiraNetwork.VirtualStorageLibrary.VirtualNode](#))

[VirtualNode.Update\(VirtualNode\)](#)

([AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_Update_AkiraNetwork_VirtualStorageLibrary_VirtualNode_](#))

Exceptions

Type	Condition
ArgumentException (https://learn.microsoft.com/dotnet/api/system.argumentexception)	Thrown if the specified node is not a VirtualSymbolicLink.

Operators

implicit operator VirtualSymbolicLink(VirtualPath?)
Performs an implicit conversion from VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) to VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html). The node name is automatically generated using the VirtualNodeName.GeneratenodeName method.

Declaration
`public static implicit operator VirtualSymbolicLink(VirtualPath? targetPath)`

Parameters
`targetPath` (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<code>targetPath</code>	The target path to convert.

Returns
`VirtualItem` (AkiraNetwork.VirtualStorageLibrary.VirtualItem)

Type	Description
VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualItem)	

1.html (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)

VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem<T>)

Implicit operator VirtualSymbolicLink((VirtualNodeName nodeName, VirtualPath? targetPath))

Performs an implicit conversion from a tuple to VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html).

Declaration
`public static implicit operator VirtualSymbolicLink((VirtualNodeName nodeName, VirtualPath? targetPath) tuple)`

Parameters
`tuple` (AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)

VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName)

VirtualNodeNotFoundException (AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException)

VirtualNodeType (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType)

VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter)

Type	Name	Description
(VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) nodeName (https://learn.microsoft.com/dotnet/api/system.valuetuple-akiranetwork.virtualstoragelibrary.virtualnodename,akiranetwork.virtualstoragelibrary.virtualpath-.nodename) , VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) targetPath (https://learn.microsoft.com/dotnet/api/system.valuetuple-(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName,akiranetwork.virtualstoragelibrary.virtualpath!.targetpath) NotifyNodeDelegate) (AkiraNetwork.VirtualStorageLibrary.PatternMatch (AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector Returns VirtualCycleDetector Type (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html) (AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter<T> (AkiraNetwork.VirtualStorageLibrary.VirtualException.html) Implements Extension Methods IVirtualDeepCloneable<T> (AkiraNetwork.VirtualStorageLibrary.IVirtualDeepCloneable-1.html) (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary.VirtualException.html) VirtualTextFormatter.GenerateSingleTableDebugText<T>(T) (AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utils s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_ (AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter<T> 1.html) VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html) VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext VirtualNodeExtensions (AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter	tuple	The tuple to convert.

Type	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html) (AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryAdapter<T> (AkiraNetwork.VirtualStorageLibrary.VirtualException.html)	

Implements

Extension Methods

IVirtualDeepCloneable<T> (AkiraNetwork.VirtualStorageLibrary.IVirtualDeepCloneable-1.html) (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary.VirtualException.html) VirtualTextFormatter.GenerateSingleTableDebugText<T>(T) (AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utils s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_ (AkiraNetwork.VirtualStorageLibrary.VirtualItemAdapter<T> 1.html) VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html) VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext VirtualNodeExtensions (AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter	
---	--

Class VirtualSymbolicLinkAdapter<T>

Adapter class to simplify operations on virtual symbolic links. Reduces the need for casting and simplifies code, allowing users to easily manage specific node types.

Inheritance

NotifyNodeDelegate

↳ object (<https://learn.microsoft.com/dotnet/api/system.object>)
↳ AkiraNetwork.VirtualStorageLibrary
↳ VirtualSymbolicLinkAdapter<T>
↳ PatternMatch

Inherited Members

VirtualCycleDetector

object.Equals(object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object)))
↳ AkiraNetwork.VirtualStorageLibrary

VirtualDirectory

object.Equals(object, object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object-system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-system-object)))
↳ AkiraNetwork.VirtualStorageLibrary
↳ VirtualDirectoryAdapter<T>

object.GetHashCode() (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)

object.GetType() (<https://learn.microsoft.com/dotnet/api/system.object.gettype>)
↳ 1.html

object.MemberwiseClone() (<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)

object.ReferenceEquals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)
↳ AkiraNetwork.VirtualStorageLibrary
object.ToString() (<https://learn.microsoft.com/dotnet/api/system.object.tostring>)
↳ VirtualGroupCondition<T, TKey>

Namespace

AkiraNetwork.AkiraNetwork.html.VirtualStorageLibrary

Assembly

VirtualStorageLibrary.dll

Syntax

VirtualID

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

public class VirtualSymbolicLinkAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

VirtualItemAdapter<T>

Type

(AkiraNetwork.VirtualStorageLibrary)

Name	Description
T	The type of storage item stored in the virtual storage. 1.html

T (AkiraNetwork.VirtualStorageLibrary) The type of storage item stored in the virtual storage.

1.html

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualSymbolicLinkAdapter(VirtualStorage<T>)

(AkiraNetwork.VirtualStorageLibrary)

Initializes a new instance of the VirtualSymbolicLinkAdapter<T>

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLinkAdapter-1.html) class.

(AkiraNetwork.VirtualStorageLibrary)

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

public VirtualSymbolicLinkAdapter(VirtualStorage<T> storage)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Parameters

Type	Name	Description
VirtualStorage (AkiraNetwork.VirtualStorageLibrary.VirtualStorage-1.html) <T>	storage	The virtual storage instance.

▼

Properties

(AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate

(AkiraNetwork.VirtualStorageLibrary)

this[VirtualPath, bool]

PatternMatch

(AkiraNetwork.VirtualStorageLibrary)

Gets or sets the virtual symbolic link corresponding to the specified path.

VirtualCycleDetector

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory

public VirtualSymbolicLink this[VirtualPath path, bool followLinks = true] { get; set; }

VirtualDirectoryAdapter<T>

(AkiraNetwork.VirtualStorageLibrary)

Parameters

1.html)

Type VirtualException

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

(AkiraNetwork.VirtualStorageLibrary)

bool

(https://learn.microsoft.com/dotnet/api/system.boolean)

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

Type

VirtualItemAdapter<T>

Name

Description

path

The path of the symbolic link.

followLinks

A flag indicating whether to follow links.

Property Value

(AkiraNetwork.VirtualStorageLibrary)

Description

Type

VirtualItemAdapter<T>

Description

VirtualSymbolicLink

(https://learn.microsoft.com/dotnet/api/system.io.virtualsymboliclink-1.html)

The

(AkiraNetwork.VirtualStorageLibrary.Virtua

VirtualSymbolicLink

ISymbolicLink.html)

(AkiraNetwork.VirtualStorageLibrary)

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

corresponding to the specified path.

VirtualNode

Remarks

(AkiraNetwork.VirtualStorageLibrary)

To operate on the symbolic link itself, specify `followLinks` as false. Note that the default value of this parameter may change in the future.

(AkiraNetwork.VirtualStorageLibrary)

Exceptions

(AkiraNetwork.VirtualStorageLibrary)

Type

VirtualNodeListConditions

Condition

Inval

(AkiraNetwork.VirtualStorageLibrary)

Thrown when the node is not a

VirtualSymbolicLink

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

alid

(AkiraNetwork.VirtualStorageLibrary)

.

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilitie
s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

▼

(AkiraNetwork.VirtualStorageLibrary.
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary.
PatternMatch
(AkiraNetwork.VirtualStorageLibrary.
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary.
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary.
VirtualDirectoryAdapter<T>
(AkiraNetwork.VirtualStorageLibrary.
1.html)
VirtualException
(AkiraNetwork.VirtualStorageLibrary.
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary.
2.html)
VirtualID
(AkiraNetwork.VirtualStorageLibrary.
VirtualItem
(AkiraNetwork.VirtualStorageLibrary.
VirtualItemAdapter<T>
(AkiraNetwork.VirtualStorageLibrary.
1.html)
VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary.
1.html)
VirtualNode
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary.
VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary.
VirtualNodeTypeFilter

Namespace AkiraNetwork.VirtualStorage Library.Utilities

▼ Filter by title

Classes

+ **AkiraNetwork.VirtualStorage**

Library

VirtualTextFormatter

 (AkiraNetwork.VirtualStorage)

 ([AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html](#))

- **AkiraNetwork.VirtualStorage**
 Library.Utilities
 (AkiraNetwork.VirtualStorage)

 VirtualTextFormatter

 (AkiraNetwork.VirtualStorageLibrary)

+ **AkiraNetwork.VirtualStorage**

Library.WildcardMatchers

 (AkiraNetwork.VirtualStorage)

Class VirtualTextFormatter

Utility class for generating text-based representations of the virtual storage's tree structure. Provides static methods for generating various debug texts.

Inheritance

AkiraNetwork.VirtualStorage

↳ [Object](#) (<https://learn.microsoft.com/dotnet/api/system.object>)

(AkiraNetwork.VirtualStorage)

Inherited Members

AkiraNetwork.VirtualStorage

object.Equals(object, object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-object)))

(AkiraNetwork.VirtualStorage)

object.Equals(object, object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object-object-system-object-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-object-system-object-object)))

(AkiraNetwork.VirtualStorageLibrary)

object.GetHashCode() (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)

object.GetType() (<https://learn.microsoft.com/dotnet/api/system.object.gettype>)

object.MemberwiseClone() (<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)

object.ReferenceEquals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)

object.ToString() (<https://learn.microsoft.com/dotnet/api/system.object.tostring>)

Namespace: AkiraNetwork ([AkiraNetwork.html](#)).VirtualStorageLibrary ([AkiraNetwork.VirtualStorageLibrary.html](#)).Utilities ([AkiraNetwork.VirtualStorageLibrary.Utilities.html](#))

Assembly: VirtualStorageLibrary.dll

Syntax

```
public static class VirtualTextFormatter
```

Remarks

This class distinguishes between full-width and half-width characters based on specific character code ranges. The following ranges are considered full-width characters:

- 0x1100 to 0x115F: Korean Hangul Jamo characters
- 0xE80 to 0xA4CF (excluding 0x303F): CJK Unified Ideographs and compatibility characters
- 0xAC00 to 0xD7A3: Korean Hangul syllables
- 0xF900 to 0xFAFF: CJK compatibility ideographs
- 0xFE10 to 0xFE19: Vertical forms punctuation
- 0xFE30 to 0xFE6F: CJK compatibility forms
- 0xFF00 to 0xFF60: Full-width ASCII and symbols
- 0FFE0 to 0FFE6: Full-width special symbols

The distinction between full-width and half-width characters is important for ensuring proper alignment and formatting in text-based representations, especially when working with mixed-language data or presenting data in a tabular format. This classification helps in correctly calculating string widths and aligning elements in debug text outputs, such as file paths or tabular data, where accurate spacing is crucial.

Methods

GenerateLinkTableDebugText<T>(VirtualStorage<T>)

Generates and returns a table representation of symbolic link information.



Declaration

+ AkiraNetwork.VirtualStorage

```
public static string GenerateLinkTableDebugText<T>(this VirtualStorage<T> vs)
```

Library

(AkiraNetwork.VirtualStorage)

Parameters

- AkiraNetwork.VirtualStorage

Type

Library.Utilities

VirtualStorage (AkiraNetwork.VirtualStorageLibrary.VirtualStorage-

1.html)

<T> VirtualTextFormatter

(AkiraNetwork.VirtualStorageLibrary.

Name

Description

vs

The instance of the virtual storage.

Returns

AkiraNetwork.VirtualStorage

Library.WildcardMatchers

Type

(AkiraNetwork.VirtualStorage)

string (<https://learn.microsoft.com/dotnet/api/system.string>)

Description

The generated debug text of the link table.

Type Parameters

Name	Description
T	The type of data in the storage.

GenerateSingleTableDebugText<T>(T)

Generates and returns a table representation of a single object's properties.

Declaration

```
public static string GenerateSingleTableDebugText<T>(this T singleObject)
```

Parameters

Type	Name	Description
T	singleObject	The object to be represented.

Returns

Type	Description
string (https://learn.microsoft.com/dotnet/api/system.string)	The generated debug text of the table.

Type Parameters

Name	Description
<i>T</i>	The type of the object.

GenerateTableDebugText<T>(IEnumerable<T>)

Generates and returns a table representation of the collection's contents.

+ AkiraNetwork.VirtualStorage

Declaration
Library

(AkiraNetwork.VirtualStorage)

```
public static string GenerateTableDebugText<T>(this IEnumerable<T> enumerableObject)
```

- AkiraNetwork.VirtualStorage

Library Utilities

Parameters

(AkiraNetwork.VirtualStorage)

Type

VirtualTextFormatter

IEnumerable

(AkiraNetwork.VirtualStorageLibrary

(<https://learn.microsoft.com/dotnet/api/system.collections.generic.enumerable>)

+ AkiraNetwork.VirtualStorage

<Library.WildcardMatchers

(AkiraNetwork.VirtualStorage)

Returns

Type	Description
string (https://learn.microsoft.com/dotnet/api/system.string)	The generated debug text of the table.

Type Parameters

Name	Description
<i>T</i>	The type of objects in the collection.

GenerateTreeDebugText<T>(VirtualStorage<T>, VirtualPath, bool, bool)

Generates and returns a text-based representation of the virtual storage tree structure.

Declaration

```
public static string GenerateTreeDebugText<T>(this VirtualStorage<T> vs, VirtualPath basePath, bool recursive = true, bool followLinks = false)
```

Parameters

Type	Name	Description
VirtualStorage<T>	vs	The instance of the virtual storage.

Type		Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)		<i>basePath</i>	The base path from which to start.
bool (https://learn.microsoft.com/dotnet/api/system.boolean) ▼		<i>recursive</i>	Whether to list subdirectories recursively.
bool (https://learn.microsoft.com/dotnet/api/system.boolean)		<i>followLinks</i>	Whether to follow symbolic links.

+ AkiraNetwork.VirtualStorage

Library

Type	Description
-string (https://learn.microsoft.com/dotnet/api/system.string)	The generated debug text of the tree structure.

Library.Utilities

Type AkiraNetwork.VirtualStorage

Name	Description
<i>T</i> (AkiraNetwork.VirtualStorageLibrary)	The type of data in the storage.

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Library.WildcardMatchers

The generated text represents the tree structure starting from the specified base path. Each node is represented by the result of the `ToString` method overridden in the specific derived class of the node.

When `recursive` is true, subdirectories are listed recursively. If false, subdirectories are not included in the output.

When `followLinks` is true, symbolic links are replaced with their target paths in the output. If false, the symbolic links themselves are displayed.

The output format includes indents and special characters to denote directory hierarchies and symbolic links.
Example:

```

/
├dir1/
│├subdir1/
││└item3
│└item2
└link-to-dir -> /dir1
└item1
└link-to-item -> /item1

```

Namespace AkiraNetwork.VirtualStorage Library.WildcardMatchers

▼ Filter by title

Classes

+ **AkiraNetwork.VirtualStorage**

DefaultWildcardMatcher

 (AkiraNetwork.VirtualStorageLibrary.WildcardMatchers.DefaultWildcardMatcher.html)

- **AkiraNetwork.VirtualStorage**

LibraryUtilities

 Implements default wildcard matching using regular expression patterns. Provides a straightforward mapping of

 regular expression symbols.

 (AkiraNetwork.VirtualStorageLibrary.WildcardMatchers.DefaultWildcardMatcher.html)

- **AkiraNetwork.VirtualStorage**

PowerShellWildcardMatcher

 (AkiraNetwork.VirtualStorageLibrary.WildcardMatchers.PowerShellWildcardMatcher.html)

 DefaultWildcardMatcher

 Implements wildcard matching based on PowerShell's wildcard patterns. Provides pattern matching with

 support for specific escape characters.

 PowerShellWildcardMatcher

 (AkiraNetwork.VirtualStorageLibrary.WildcardMatchers.PowerShellWildcardMatcher.html)

Class DefaultWildcardMatcher

Implements default wildcard matching using regular expression patterns. Provides a straightforward mapping of regular expression symbols.

Inherited from

AkiraNetwork.VirtualStorage

↳ [Object](#) (<https://learn.microsoft.com/dotnet/api/system.object>)

(AkiraNetwork.VirtualStorage)

Implements

AkiraNetwork.VirtualStorage

IVirtualWildcardMatcher ([AkiraNetwork.VirtualStorageLibrary.IVirtualWildcardMatcher.html](#))

Library.Utilities

Inherited from

AkiraNetwork.VirtualStorage

object.Equals(object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object\)\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object))

Library.WildcardMatchers

object.Equals(object, object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object-system-object\)\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-system-object)))

(AkiraNetwork.VirtualStorage)

DefaultWildcardMatcher (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)

object.GetHashCode() (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)

(AkiraNetwork.VirtualStorageLibrary)

PowerShellWildcardMatcher (<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)

object.MemberwiseClone() (<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)

object.ReferenceEquals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)

object.ToString() (<https://learn.microsoft.com/dotnet/api/system.object.tostring>)

Namespace: AkiraNetwork ([AkiraNetwork.html](#)).VirtualStorageLibrary ([AkiraNetwork.VirtualStorageLibrary.html](#)).Wildcard Matchers ([AkiraNetwork.VirtualStorageLibrary.WildcardMatchers.html](#))

Assembly: VirtualStorageLibrary.dll

Syntax

```
public class DefaultWildcardMatcher : IVirtualWildcardMatcher
```

Properties

Count

Gets the number of supported wildcard characters.

Declaration

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

Property Value

Type	Description
int (https://learn.microsoft.com/dotnet/api/system.int32)	The number of supported wildcard characters.

Patterns

Gets the list of regular expression patterns corresponding to the wildcard characters.

+ AkiraNetwork.VirtualStorage

Declaration
Library

(AkiraNetwork.VirtualStorage)

```
public IEnumerable<string> Patterns { get; }
```

+ AkiraNetwork.VirtualStorage

Library Utilities

Property Value

(AkiraNetwork.VirtualStorage)

Type

- AkiraNetwork.VirtualStorage

IEnumerable

Library.WildcardMatchers

(<https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable>)

(AkiraNetwork.VirtualStorage)

<string (<https://learn.microsoft.com/dotnet/api/system.string>)>

(AkiraNetwork.VirtualStorageLibrary)

PowerShellWildcardMatcher

(AkiraNetwork.VirtualStorageLibrary)

WildcardDictionary

Gets the dictionary of regular expression symbols and their corresponding literals.

Declaration

```
public ReadOnlyDictionary<string, string> WildcardDictionary { get; }
```

Property Value

Type	Description
ReadOnlyDictionary (https://learn.microsoft.com/dotnet/api/system.collections.objectmodel.readonlydictionary-2) <string (https://learn.microsoft.com/dotnet/api/system.string), string (https://learn.microsoft.com/dotnet/api/system.string)>	A read-only dictionary where the keys are regular expression symbols and the values are their literal equivalents.

Wildcards

Gets the list of supported wildcard characters.

Declaration

```
public IEnumerable<string> Wildcards { get; }
```

Property Value

Type	Description
IEnumerable (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) <string (https://learn.microsoft.com/dotnet/api/system.string)>	A collection of supported wildcard characters.

+ AkiraNetwork.VirtualStorage

Library

Methods

+ AkiraNetwork.VirtualStorage

PatternMatcher(string, string)

(AkiraNetwork.VirtualStorage)

Performs simple regular expression-based wildcard matching.

- AkiraNetwork.VirtualStorage

Declaration

Library.WildcardMatchers

(AkiraNetwork.VirtualStorage)

```
public bool PatternMatcher(string nodeName, string pattern)
```

DefaultWildcardMatcher

(AkiraNetwork.VirtualStorageLibrary)

Parameters

PowerShellWildcardMatcher

Type	Name	Description
string (https://learn.microsoft.com/dotnet/api/system.string)	nodeName	The name of the node to match against the pattern.
string (https://learn.microsoft.com/dotnet/api/system.string)	pattern	The regular expression pattern to use for matching.

Returns

Type	Description
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	True if the node name matches the pattern; otherwise, false.

Implements

IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary.IVirtualWildcardMatcher.html)

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utils_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

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+ **AkiraNetwork.VirtualStorage
Library**
[\(AkiraNetwork.VirtualStorageLibrary\)](#)

+ **AkiraNetwork.VirtualStorage
Library.Utilities**
[\(AkiraNetwork.VirtualStorageLibraryUtilities\)](#)

- **AkiraNetwork.VirtualStorage
Library.WildcardMatchers**
[\(AkiraNetwork.VirtualStorageLibraryWildcardMatchers\)](#)

 DefaultWildcardMatcher
[\(AkiraNetwork.VirtualStorageLibraryDefaultWildcardMatcher\)](#)
 PowerShellWildcardMatcher
[\(AkiraNetwork.VirtualStorageLibraryPowerShellWildcardMatcher\)](#)

Class PowerShellWildcardMatcher

Implements wildcard matching based on PowerShell's wildcard patterns. Provides pattern matching with support for ~~Filter by title~~ specific escape characters.

Implements

AkiraNetwork.VirtualStorage

↳ [Object](https://learn.microsoft.com/dotnet/api/system.object) (<https://learn.microsoft.com/dotnet/api/system.object>)

(AkiraNetwork.VirtualStorage)

Implements

AkiraNetwork.VirtualStorage

IVirtualWildcardMatcher ([AkiraNetwork.VirtualStorageLibrary.IVirtualWildcardMatcher.html](https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.IVirtualWildcardMatcher.html))

Library.Utilities

(AkiraNetwork.VirtualStorage)

object.Equals(object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object\)\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object))

Library.WildcardMatchers

object.Equals(object, object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-object-system-object\)\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-system-object))

(AkiraNetwork.VirtualStorage)

DefaultWildcardMatcher (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)

object.GetType() (<https://learn.microsoft.com/dotnet/api/system.object.gettype>)

PowerShellWildcardMatcher

object.MemberwiseClone() (<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>)

object.ReferenceEquals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)

object.ToString() (<https://learn.microsoft.com/dotnet/api/system.object.tostring>)

Namespace: AkiraNetwork ([AkiraNetwork.html](https://learn.microsoft.com/dotnet/api/AkiraNetwork.html)).VirtualStorageLibrary ([AkiraNetwork.VirtualStorageLibrary.html](https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.html)).Wildcard Matchers ([AkiraNetwork.VirtualStorageLibrary.WildcardMatchers.html](https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.WildcardMatchers.html))

Assembly: VirtualStorageLibrary.dll

Syntax

```
public class PowerShellWildcardMatcher : IVirtualWildcardMatcher
```

Properties

Count

Gets the number of supported wildcard characters.

Declaration

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

Property Value

Type	Description
int (https://learn.microsoft.com/dotnet/api/system.int32)	The number of supported wildcard characters.

Patterns

Gets the list of regular expression patterns corresponding to the wildcard characters.

+ AkiraNetwork.VirtualStorage

Declaration
Library

(AkiraNetwork.VirtualStorage)

```
public IEnumerable<string> Patterns { get; }
```

+ AkiraNetwork.VirtualStorage

Library Utilities

Property Value

(AkiraNetwork.VirtualStorage)

Type

- AkiraNetwork.VirtualStorage

IEnumerable

Library.WildcardMatchers

(<https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable>)

(AkiraNetwork.VirtualStorage)

<string (<https://learn.microsoft.com/dotnet/api/system.string>)>

(AkiraNetwork.VirtualStorageLibrary)

PowerShellWildcardMatcher

(AkiraNetwork.VirtualStorageLibrary)

WildcardDictionary

Gets the dictionary of wildcard characters and their corresponding regular expression patterns.

Declaration

```
public ReadOnlyDictionary<string, string> WildcardDictionary { get; }
```

Property Value

Type	Description
ReadOnlyDictionary (https://learn.microsoft.com/dotnet/api/system.collections.objectmodel.readonlydictionary-2) <string (https://learn.microsoft.com/dotnet/api/system.string), string (https://learn.microsoft.com/dotnet/api/system.string)>	A read-only dictionary where the keys are wildcard characters and the values are their corresponding regular expression patterns.

Wildcards

Gets the list of supported wildcard characters.

Declaration

```
public IEnumerable<string> Wildcards { get; }
```

Property Value

Type	Description
IEnumerable (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) <string (https://learn.microsoft.com/dotnet/api/system.string)>	A collection of supported wildcard characters.

+ AkiraNetwork.VirtualStorage

Library

Methods

+ AkiraNetwork.VirtualStorage

PatternMatcher(string, string)

(AkiraNetwork.VirtualStorage)

Performs pattern matching using the specified PowerShell wildcard pattern.

- AkiraNetwork.VirtualStorage

Declaration

Library.WildcardMatchers

(AkiraNetwork.VirtualStorage)

```
public bool PatternMatcher(string nodeName, string pattern)
```

DefaultWildcardMatcher

(AkiraNetwork.VirtualStorageLibrary)

Parameters

PowerShellWildcardMatcher

Type	Name	Description
string (https://learn.microsoft.com/dotnet/api/system.string)	nodeName	The name of the node to match against the pattern.
string (https://learn.microsoft.com/dotnet/api/system.string)	pattern	The PowerShell wildcard pattern to use for matching.

Returns

Type	Description
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	True if the node name matches the pattern; otherwise, false.

Remarks

If a wildcard character is escaped using a backtick (`), the character is treated as a literal. The escape character itself is represented by the backtick (`), and the character following it is the one being escaped.

Implements

IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary.IVirtualWildcardMatcher.html)

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utils
s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

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- + **AkiraNetwork.VirtualStorage**
Library
(AkiraNetwork.VirtualStorage)
- + **AkiraNetwork.VirtualStorage**
Library.Utilities
(AkiraNetwork.VirtualStorage)
- **AkiraNetwork.VirtualStorage**
Library.WildcardMatchers
(AkiraNetwork.VirtualStorage)

DefaultWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary.WildcardMatchers.DefaultWildcardMatcher)

PowerShellWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary.WildcardMatchers.PowerShellWildcardMatcher)