

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

(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)

VirtualException

VirtualException (AkiraNetwork.VirtualStorageLibrary.VirtualException.html)

VirtualGroupCondition<T, TKey>

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

(AkiraNetwork.VirtualStorageLibrary)

2.html)

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

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

(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html).

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

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

VirtualNodeListConditions

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

VirtualNodeName

types of content.

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

Virtual items ensure that the actual data is distinctly present. If the user-defined type T implements the IVirtualDeepCloneable<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.

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

Represents an abstract class for nodes.

- AkiraNetwork.VirtualStorage

Library

VirtualNodeContext

([AkiraNetwork.VirtualStorageLibrary](#))

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

ActionNodeDelegate

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.

IVirtualDeepCloneable<T>

([AkiraNetwork.VirtualStorageLibrary](#))

VirtualNodeExtensions

([VirtualNodeExtensions](#))

([AkiraNetwork.VirtualStorageLibrary](#))

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

NotifyNodeDelegate

([AkiraNetwork.VirtualStorageLibrary](#))

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

([AkiraNetwork.VirtualStorageLibrary](#))

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

VirtualCycleDetector

([AkiraNetwork.VirtualStorageLibrary](#))

VirtualDirectory

([AkiraNetwork.VirtualStorageLibrary](#))

VirtualNodeNotFoundException

([VirtualNodeNotFoundException](#))

([AkiraNetwork.VirtualStorageLibrary](#))

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

VirtualGroupCondition<T, TKey>

([AkiraNetwork.VirtualStorageLibrary](#))

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

VirtualID

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

VirtualItem

([AkiraNetwork.VirtualStorageLibrary](#))

VirtualSortCondition<T>

([AkiraNetwork.VirtualStorageLibrary](#))

1.html)

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

([AkiraNetwork.VirtualStorageLibrary](#))

VirtualNodeContext

([AkiraNetwork.VirtualStorageLibrary](#))

VirtualStorageExtensions

([VirtualStorageExtensions](#))

([AkiraNetwork.VirtualStorageLibrary](#))

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

VirtualNodeListConditions

([AkiraNetwork.VirtualStorageLibrary](#))

VirtualNodeName

([AkiraNetwork.VirtualStorageLibrary](#))

VirtualStorageSettings

([AkiraNetwork.VirtualStorageLibrary](#))

VirtualNodeNotFoundException

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

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.VirtualStorage**

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

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

(AkiraNetwork.VirtualStorage)

ActionNodeDelegate

(AkiraNetwork.VirtualStorageLibrary)

IVirtualDeepCloneable

(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.

(AkiraNetwork.VirtualStorageLibrary)

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

PatternMatch

(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary)

VirtualID (AkiraNetwork.VirtualStorageLibrary.VirtualID.html)

VirtualException

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)

2.html

VirtualID

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions.html)

VirtualItem

Represents the conditions for creating a list of virtual nodes.

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

IVirtualDeepCloneable<T>

(AkiraNetwork.VirtualStorageLibrary.IVirtualDeepCloneable-1.html)

Provides functionality to create deep clones of type T.

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

IVirtualWildcardMatcher

(AkiraNetwork.VirtualStorageLibrary.IVirtualWildcardMatcher.html)

Provides functionality for wildcard matching.

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

Enums

VirtualNodeType (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html)

Specifies the types of virtual nodes.

▼

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html)

Specifies the filters for virtual node types.

(AkiraNetwork.VirtualStorageLibrary)

ActionNodeDelegate

(AkiraNetwork.VirtualStorageLibrary)

IVirtualDeepCloneable<T>

ActionNodeDelegate

(AkiraNetwork.VirtualStorageLibrary.ActionNodeDelegate.html)

IVirtualWildcardMatcher

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

(AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate

NotifyNodeDelegate

(AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate.html)

(AkiraNetwork.VirtualStorageLibrary)

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

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

PatternMatch

(AkiraNetwork.VirtualStorageLibrary.PatternMatch.html)

(AkiraNetwork.VirtualStorageLibrary)

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

VirtualException

(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

2.html

VirtualID

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualnodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

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

Syntax

(AkiraNetwork.VirtualStorage)

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

IVirtualDeepCloneable<T>

Parameters

Type	VirtualWildcardMatcher	Name	Description
VirtualDirectory	(AkiraNetwork.VirtualStorageLibrary)	parentDirectory	The parent directory of the target node.
VirtualNodeDelegate	(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)		
VirtualNodeName	(AkiraNetwork.VirtualStorageLibrary)	nodeName	The name of the target node.
VirtualPath	(AkiraNetwork.VirtualStorageLibrary)	nodePath	The path of the target node.
VirtualWildcardMatcher	(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)		
VirtualDirectory	(AkiraNetwork.VirtualStorageLibrary)		

Returns

Type	AkiraNetwork.VirtualStorageLibrary	Description
bool	VirtualGroupCondition<T, TKey>	Returns true to continue node traversal, or false to stop node traversal.

Extension Methods

VirtualTextFormatter	GenerateSingleTableDebugText<T>(T)
(AkiraNetwork.VirtualStorageLibrary)	(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utils
s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)	
VirtualNode	(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeContext	(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeExtensions	(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeListConditions	(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeName	(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeNotFoundException	(AkiraNetwork.VirtualStorageLibrary)

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](#))

```
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](#))

```
(AkiraNetwork.VirtualStorageLibrary)
```

PatternMatch

```
(AkiraNetwork.VirtualStorageLibrary)
```

VirtualCycleDetector

```
(AkiraNetwork.VirtualStorageLibrary)
```

VirtualDirectory

```
(AkiraNetwork.VirtualStorageLibrary)
```

DeepClone(bool)

```
(AkiraNetwork.VirtualStorageLibrary)
```

VirtualException

```
(AkiraNetwork.VirtualStorageLibrary)
```

Declaration

```
virtual GroupCondition<T, TKey>
```

```
(AkiraNetwork.VirtualStorageLibrary)
```

T DeepClone(bool recursive = false)

VirtualID

```
(AkiraNetwork.VirtualStorageLibrary)
```

Parameters

VirtualItem

Type 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.
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VirtualNodeContext

Returns ([AkiraNetwork.VirtualStorageLibrary](#))

Type Description

T	The cloned object.
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```
(AkiraNetwork.VirtualStorageLibrary)
```

VirtualNodeName

```
(AkiraNetwork.VirtualStorageLibrary)
```

VirtualNodeNotFoundException

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

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

WildcardDictionaryVirtualStorage

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

Declaration

```
1.html
    readonly Dictionary<string, string> WildcardDictionary { get; }
    IWildcardMatcher
    (AkiraNetwork.VirtualStorageLibrary)
```

Property Value

NotifyNodeDelegate

Type	Description
AkiraNetwork.VirtualStorageLibrary PatternMatch ReadOnlyDictionary (AkiraNetwork.VirtualStorageLibrary (https://learn.microsoft.com/dotnet/api/system.collections.objectmodel.virtualcycledetector.readonlydictionary-2) .VirtualStorageLibrary <string (https://learn.microsoft.com/dotnet/api/system.string), string (https://learn.microsoft.com/dotnet/api/system.string)>	A read-only dictionary containing wildcards as keys and their corresponding regex patterns as values.

VirtualException

(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

Gets a collection of available wildcards.

VirtualID

Declaration

```
(AkiraNetwork.VirtualStorageLibrary  
VirtualItem  
IEnumerable<string> Wildcards { get; }  
VirtualItem<T>
```

Property Value

1.html

Type

VirtualNode

IEnumerable

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeContext
(<https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1>)
VirtualNodeExtensions
<string (<https://learn.microsoft.com/dotnet/api/system.string>)>

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

PatternMatcher(string, string)

VirtualNodeType

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	<i>nodeName</i>	The node name to check.

Type (AkiraNetwork.VirtualStorageLibrary)	<i>pattern</i>	The pattern to compare against.
--	----------------	---------------------------------

Returns (AkiraNetwork.VirtualStorageLibrary)

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](#))

VirtualGroupCondition<T, TKey>

([AkiraNetwork.VirtualStorageLibrary](#))

2.html)

VirtualID

([AkiraNetwork.VirtualStorageLibrary](#))

VirtualItem

([AkiraNetwork.VirtualStorageLibrary](#))

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

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)

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary)

VirtualException

(AkiraNetwork.VirtualStorageLibrary)

VirtualTextFormatter GenerateSingleTableDebugText<T>(T)

VirtualGroupCondition<T, TKey>

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

VirtualID

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

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)

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)
```

IVirtualWildcardMatcher

(AkiraNetwork.VirtualStorageLibrary)

Parameters

NotifyNodeDelegate

Type (AkiraNetwork.VirtualStorageLibrary)

Name

Description

PatternMatch

string (AkiraNetwork.VirtualStorageLibrary)

nodeName

The name of the node to be matched.

VirtualCycleDetector

string (AkiraNetwork.VirtualStorageLibrary)

pattern

The pattern to match against.

(AkiraNetwork.VirtualStorageLibrary)

Returns: VirtualException

Type (AkiraNetwork.VirtualStorageLibrary)

Description

VirtualGroupCondition<T, TKey>

bool (AkiraNetwork.VirtualStorageLibrary)

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

) VirtualID

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem<T>

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

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

s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

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))
 (AkiraNetwork.VirtualStorageLibrary)
 NotifyNodeDelegate
object.Equals(object, 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)

Syntax

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

Constructors

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

VirtualCycleDetector()

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

(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeExtensions
 (AkiraNetwork.VirtualStorageLibrary)
public VirtualCycleDetector()
 VirtualNodeListConditions
 (AkiraNetwork.VirtualStorageLibrary)
 VirtualnodeName
 (AkiraNetwork.VirtualStorageLibrary)
 VirtualNodeType
 (AkiraNetwork.VirtualStorageLibrary)

Properties
 VirtualNodeNotFoundException
 (AkiraNetwork.VirtualStorageLibrary)
 VirtualNodeType
 (AkiraNetwork.VirtualStorageLibrary)
Count
 VirtualNodeTypeFilter
 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. Gets the dictionary of detected cycles. NotifyNodeDelegate Declaration (AkiraNetwork.VirtualStorageLibrary. PatternMatch p(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink) CycleDictionary { get; } VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary. VirtualDirectory Property Value VirtualStorageLibrary	The number of detected cycles.

CycleDictionary

VirtualWildcardMatcher

Gets the dictionary of detected cycles.

NotifyNodeDelegate

Declaration
(AkiraNetwork.VirtualStorageLibrary.

PatternMatch

p(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink) CycleDictionary { get; }

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary.

VirtualDirectory
Property Value
VirtualStorageLibrary

Type	Description
VirtualException Dictionary (AkiraNetwork.VirtualStorageLibrary. (https://learn.microsoft.com/dotnet/api/system.collections.generic.dictionary-2) VirtualGroupCondition<T, TKey> < (AkiraNetwork.VirtualStorageLibrary. < 2.html) VirtualID VirtualID (AkiraNetwork.VirtualStorageLibrary.VirtualID.html) (AkiraNetwork.VirtualStorageLibrary. , VirtualItem VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary. (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLi VirtualItem<T> nk.html) > (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

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary.

Clear()

VIRTUALNODEListConditions
(AkiraNetwork.VirtualStorageLibrary.
Clears the dictionary of detected cycles.
VirtualNodeName

Declaration
(AkiraNetwork.VirtualStorageLibrary.

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary.

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary.

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.VirtualDirectory.html)	True if the link is part of a cycle; otherwise, false.

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T VirtualID (AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utils s_VirtualTextFormatter_GeneratesSingleTableDebugText_1__0_)	VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)
VirtualAllItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualAllItem.html)	VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)
VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html)	VirtualNodeExtensions (AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html)
VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions.html)	VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)
VirtualNodeNotFoundException (AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html)	VirtualNodeType (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html)
VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html)	

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) >

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

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html) >

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

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

Inherited Members

VirtualItem

AkiraNetwork.VirtualStorageLibrary

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_Name)

VirtualNode

AkiraNetwork.CreatedDataStorageLibrary

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_CreatedDate)

VirtualNode

AkiraNetwork.UpdateDataStorageLibrary

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_UpdatedDate)

VirtualNode

AkiraNetwork.Extensions

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_VID)

VirtualNode

AkiraNetwork.BeforeConditionStorage

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_IsReferencedInStorage)

VirtualNodeName

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

VirtualNodeNotFoundException

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

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))

VirtualPath

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)
1.html)
```

Constructors

VirtualNodeMatcher

(AkiraNetwork.VirtualStorageLibrary.html)

NotifyNodeDelegate

VirtualDirectory()

(AkiraNetwork.VirtualStorageLibrary.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_.method).

VirtualDirectory

Declaration

(AkiraNetwork.VirtualStorageLibrary.html)

VirtualException

(AkiraNetwork.VirtualStorageLibrary.html)

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary.html)

2.html)

VirtualDirectory(VirtualNodeName)

(AkiraNetwork.VirtualStorageLibrary.html)

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

(AkiraNetwork.VirtualStorageLibrary.html)

Declaration

(AkiraNetwork.VirtualStorageLibrary.html)

1.html)

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

VirtualNode

(AkiraNetwork.VirtualStorageLibrary.html)

Parameters

VirtualNodeContext

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

(AkiraNetwork.VirtualStorageLibrary.html)

(AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html)

(AkiraNetwork.VirtualStorageLibrary.html)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary.html)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary.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)

Declaration

(AkiraNetwork.VirtualStorageLibrary.html)

VirtualPath

```
public VirtualDirectory(VirtualNodeName name, DateTime createdDate, DateTime updatedDate)
```

Parameters

Type		Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)		name	The name of the directory.
DateTime (https://learn.microsoft.com/dotnet/api/system.datetime 1.html)		createdDate	The creation date.
DateTime (https://learn.microsoft.com/dotnet/api/system.datetime 2.html)		updatedDate	The update date.

Properties

Count
(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector

Count
(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory

Gets the total number of items within the directory.

VirtualException

Declaration
(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>

public int Count { get; }

(AkiraNetwork.VirtualStorageLibrary
2.html)

VirtualID

Property Value
(AkiraNetwork.VirtualStorageLibrary)

Type VirtualItem

Description

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

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary
1.html)

DirectoryCount

VirtualNodeContext

Declaration
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

public int DirectoryCount { get; }

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

Property Value
VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

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

Description

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

DirectoryViewCount

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

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

Declaration

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

Property Value

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

IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary)

this [VirtualNodeName]

(AkiraNetwork.VirtualStorageLibrary

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

(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualCycleDetector

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

(AkiraNetwork.VirtualStorageLibrary)

VirtualException Parameters

Type	(AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition< T, TKey >)	Name	Description
	(AkiraNetwork.VirtualStorageLibrary.VirtualStorageLibrary.VirtualNodeName.html) 3.html	name	The name of the node.

Virtual ID
Property Value

(AkiraNetwork.VirtualStorageLibrary)

Type	Description
VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualNode<T>)	The node with the specified name.

(AkiraNetwork.VirtualStorageLibrary.Exceptions)

Type	Condition
virtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException)	Thrown if the node is not found.
VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html)	
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html)	

VirtualNodeExtensions (AkiraNetwork.VirtualStorageLibrary)

Item ~~Victor~~ ~~Call~~ No.

(AkiraNetwork VirtualStorage) library

VirtualDirectoryName Gets the number of items within the directory.

Declaration

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeNotFoundException)

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

(AkiraNetwork.VirtualStorageLibrary)

PropertyValueNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary

VirtualPath

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](#)

```
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

VirtualWildcardMatcher

(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary)

VirtualException

Enum: [AkiraNetwork.VirtualStorageLibrary](#) VirtualDirectoryName

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

[2.html](#)

```
public IEnumerable<VirtualDirectoryName> NodeNames { get; }
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

Type: VirtualItem<T>

Description

(AkiraNetwork.VirtualStorageLibrary)

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

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

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

Node Type: [AkiraNetwork.VirtualStorageLibrary](#)

VirtualNodeExtensions

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

(AkiraNetwork.VirtualStorageLibrary)

Declaration: [VirtualNodeListConditions](#)

(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

Property Value: [AkiraNetwork.VirtualStorageLibrary](#)

Type: VirtualNodeType

Description

(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary)

Overrides: [VirtualPath](#)

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

Nodes

Enumerates all nodes within the directory.

Declaration
 (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_Nodes)
`IVirtualDeepCloneable<T>`
`public IEnumerable<VirtualNode> Nodes { get; }`

Property Value

Type	Description
<code>PatternMatch.IEnumerable<VirtualNode></code> <code>(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_Nodes)</code>	

NodesView

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

Declaration
 (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_NodesView)
`VirtualDeepCloneable<VirtualNode> NodesView { get; }`

Property Value

Type	Description
<code>VirtualItem<T></code> <code>(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_NodesView)</code>	

NodesViewCount

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

Declaration
 (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_NodesViewCount)
`VirtualNodeListConditions VirtualNodeName`
`public int NodesViewCount { get; }`

Property Value

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

SymbolicLinkCount

Gets the number of symbolic links within the directory.

Declaration

```
    public int SymbolicLinkCount { get; }
```

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

(AkiraNetwork.VirtualStorage)
NotifyNodeDelegate
(AkiraNetwork.VirtualStorage)
SymbolicLinkViewCount
[Later update]

(AkiraNetwork.VirtualStorageLibrary)
Gets the number of symbolic links based on the current display conditions.
VirtualCycleDetector

Declaring Network.VirtualStorageLibrary

```
VirtualDirectory  
(AkiraNetwork.VirtualStorageLibrary  
public int SymbolicLinkViewCount { get; }  
VirtualException  
(AkiraNetwork.VirtualStorageLibrary
```

Property	Type	Description
VirtualGroupCondition<T, TKey>	(AkiraNetwork.VirtualStorageLibrary 2.html)	
VirtualID	int (https://learn.microsoft.com/dotnet/api/system.int32)	

Methods

Add(VirtualNode, bool)

(AkiraNetwork.VirtualStorageLibrary)
Adds a node to the directory.

```
(AkiraNetwork.VirtualStorageLibrary  
Declaration  
    VirtualNodeExtensions  
  
(AkiraNetwork.VirtualStorageLibrary  
public VirtualNode Add(VirtualNode node, bool allowOverwrite = false)  
    VirtualNodeListConditions
```

VirtualNodeName

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException)		
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter)	node	The node to add.
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter)		
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)		

Type	Name	Description
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	allowOverwrite	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)

Adds a directory with the specified name.
[2.html](#)

Declaration

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

Parameters

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

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

Returns

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

AddItem<T>(VirtualDirectoryName, T?, bool)

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

Adds an item with the specified name.

Declaration

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



Parameters

Type	Name	Description
AkiraNetwork.VirtualStorageLibrary	<i>name</i>	The name of the item.
VirtualNodeName IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) NotifyNodeDelegate	<i>itemData</i>	The data of the item.
T PatternMatch bool (AkiraNetwork.VirtualStorageLibrary (https://learn.microsoft.com/dotnet/api/system.boolean)) VirtualCycleDetector	<i>allowOverwrite</i>	If true, allows overwriting an existing node with the same name.

Returns

AkiraNetwork.VirtualStorageLibrary

Type	Description
VirtualException (AkiraNetwork.VirtualStorageLibrary VirtualItem<AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html> <T> VirtualGroupCondition, Key (AkiraNetwork.VirtualStorageLibrary	The added item.

Type Parameters

Name	Description
T	The data type of the item.

AddSymbolicLink(VirtualNodeName, VirtualPath, bool)

Adds a symbolic link with the specified name.

(AkiraNetwork.VirtualStorageLibrary

Declaration

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary

```
virtual NodeExtension<VirtualNode> AddSymbolicLink(VirtualNodeName name, VirtualPath targetPath, bool allowOverwrite = false)
```

(AkiraNetwork.VirtualStorageLibrary

Parameters

VirtualNodeName

Type	Name	Description
AkiraNetwork.VirtualStorageLibrary	<i>name</i>	The name of the symbolic link.


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

Parameters

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

Returns

Type	Description
IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary.VirtualWildcardMatcher.html)	True if the directory exists; otherwise, false.

Get(VirtualNodeName, bool)

Gets the node with the specified name.

VirtualDirectory

Declaration

```
public VirtualNode Get(VirtualNodeName name, bool exceptionEnabled = true)
```

VirtualGroupCondition<T, TKey>

Parameters

Parameters

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

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

VirtualNode

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions.html)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditionsFilter.html)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html)

VirtualPath

Type	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.

VirtualNode

Declaration

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

VirtualPath

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

Parameters

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

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

Returns

Type	Description
IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary.VirtualWildcardMatcher.html)	

VIRTUALNODEDelegate

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)

PatternMatch

(AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector.html)

VirtualCycleDetector

Type	Condition
VirtualNotFoundException (AkiraNetwork.VirtualStorageLibrary.VirtualNotFoundException.html)	Thrown if the node is not found.
VirtualException INVALIDOPERATIONException (AkiraNetwork.VirtualStorageLibrary.InvalidOperationException.html) (https://learn.microsoft.com/dotnet/api/system.invalidoperationexception)	Thrown if the specified node is not a directory.

(AkiraNetwork.VirtualStorageLibrary.VirtualException.html)

2.html)

GetEnumerator()

(AkiraNetwork.VirtualStorageLibrary.VirtualItemContext.html)

Gets **VirtualItem** for nodes based on the current display conditions.

(AkiraNetwork.VirtualStorageLibrary.VirtualItemContext.html)

Declaration

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary.VirtualItemContext.html)

```
public I Enumerator <VirtualNode> GetEnumerator()
```

VirtualNode

(AkiraNetwork.VirtualStorageLibrary.VirtualItemContext.html)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary.VirtualItemContext.html)

Type	Description
IEnumerator <VirtualNode> (AkiraNetwork.VirtualStorageLibrary.VirtualItemContext.html)	An enumerator for filtered nodes.

(AkiraNetwork.VirtualStorageLibrary.VirtualItemContext.html)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary.VirtualItemContext.html)

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

(AkiraNetwork.VirtualStorageLibrary.VirtualItemContext.html)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary.VirtualItemContext.html)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.VirtualItemContext.html)

VirtualPath

GetItem<T>(VirtualNodeName)

(AkiraNetwork.VirtualStorageLibrary.VirtualItemContext.html)

Gets the item with the specified name.

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.VirtualItemContext.html)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualItemContext.html)

VirtualPath

```
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
AkiraNetwork.VirtualStorageLibrary.VirtualItem<T>

Type	Description
IVirtualWildcardMatcher	

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

NotifyNodeDelegate

Type Parameters
(AkiraNetwork.VirtualStorageLibrary)

PatternMatch

Name
(AkiraNetwork.VirtualStorageLibrary)

T VirtualCycleDetector The data type of the item.

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary)

Type VirtualException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNotFoundException

(VirtualGroupCondition<T, TKey>)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html)

(AkiraNetwork.VirtualStorageLibrary)

InvalidOperationException

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

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

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

1.html)

Declaration
VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

IVirtualNodeContext<VirtualNode> GetNodesView()

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

Returns
(AkiraNetwork.VirtualStorageLibrary)

Type virtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

IEnumerable<VirtualNodeName>

(https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1)

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

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

GetSymbolicLink(VirtualNodeName)

(AkiraNetwork.VirtualStorageLibrary)

Gets the symbolic link with the specified name.

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

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.VirtualNotFoundException)	Thrown if the node is not found.
VirtualException (AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html) I) (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey> InvalidOperationException (AkiraNetwork.VirtualStorageLibrary. https://learn.microsoft.com/dotnet/api/system.invalidoperationexception.2.html) n) VirtualID (AkiraNetwork.VirtualStorageLibrary.VirtualItem VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualItem<T>))	Thrown if the specified node is not a symbolic link.

ItemExists(VirtualNodeName)

Parameters

Type	Name	Description
VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName)	name	The name of the item to check.

Returns

Type	Description
VirtualNodeType (AkiraNetwork.VirtualStorageLibrary. https://learn.microsoft.com/dotnet/api/system.boolean) VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary.VirtualPath)	True if the item exists; otherwise, false.

NodeExists(VirtualnodeName)

Checks whether a node with the specified name exists.

Declaration

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

Parameters

Type
IVirtualDeepCloneable<T>
(AkiraNetwork.VirtualStorageLibrary.html)

Name

Description

VirtualWildcardMatcher
VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary.html)
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary.html)

name

The name of the node to check.

Returns

PatternMatch

Type
AkiraNetwork.VirtualStorageLibrary

Description

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

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary)

Remove(VirtualNode)

(AkiraNetwork.VirtualStorageLibrary)

Removes the specified node from the directory.

VirtualGroupCondition<T, TKey>

Declaration
2.html

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

VirtualItem

Parameters

Type
VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary)

Name

Description

VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

node

The node to remove.

Exceptions

Type
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary)

Condition

VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html)

Thrown if the node is not found.

VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)

VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary)

SymbolicLinkExists(VirtualnodeName)

VirtualNodeNotFoundException

Checks whether a symbolic link with the specified name exists.
(AkiraNetwork.VirtualStorageLibrary)

Declaration
VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

```
public bool SymbolicLinkExists(VirtualnodeName name)
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

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

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

Returns

Type	Description
VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary.VirtualNode)	A string representation of the directory.

Overrides

```
VirtualID  
(AkiraNetwork.VirtualStorageLibrary.VirtualNode)  
object.ToString() (https://learn.microsoft.com/dotnet/api/system.object.tostring)  
    VirtualItem  
(AkiraNetwork.VirtualStorageLibrary.VirtualNode)
```

Update(VirtualNode)

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

Declaration

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

VirtualNodeExtensions

Parameters

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

VirtualNodeNotFoundException

```
(AkiraNetwork.VirtualStorageLibrary.VirtualNode)  
VirtualNode.Update(VirtualNode)  
VirtualNodeType  
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_Update_A)  
kiraNetwork_VirtualStorageLibrary_VirtualNode_  
VirtualNodeTypeFilter  
(AkiraNetwork.VirtualStorageLibrary.VirtualNode)
```

Exceptions

```
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)
```

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

1

Operators

VirtualDeep

IVirtualDeepCloneable<T>

(AkiraNetwork.VirtualStorageLibrary)

operator +(VirtualDirectory, VirtualNode)

IVirtualWildcardMatcher

Over([Add New](#)) add virtual strategy block a node to the directory.

NotifyNodeDelegate

Declaration (AkiraNetwork VirtualStorage library)

```
PatternMatch  
public static VirtualDirectory operator +(VirtualDirectory directory, VirtualNode node)  
{  
    return new VirtualDirectory(directory, node);  
}
```

VirtualCycleDetector

- VirtualCycleDetector

Parameters

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

VirtualID

Return AkiraNetwork.VirtualStorageLibrary

Type	Description
VirtualItem (AkiraNetwork.VirtualStorageLibrary)	The directory with the added node.

**VirtualNode
operator + (VirtualDirectory, VirtualNodeName)**

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext
Overloads the addition operator to add

(AkiraNetwork.VirtualSt

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions directory

© AkiraNetwork. VirtualStorageLibrary

VirtualNodeName

(AkiraNetwork VirtualStorage Library)

Parameters VirtualNodeNotFoundException

java.lang.RuntimeException: VirtualStorageNet\$BandException

Type	Name	Description
VirtualNodeType VirtualDirectory (AkiraNetwork.VirtualStorageLibrary) (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html) VirtualNodeTypeFilter	<i>directory</i>	The directory to which the node is added.

(AkiraNetwork.VirtualStorageLibrary

VirtualPath

Type	Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	nodeName	The node name of directory to add.

Returns

Type	Description
IVirtualDeepCloneable<T> VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html) (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)	The directory with the added node.

implicit operator VirtualDirectory(VirtualNodeName)

NotifyNodeDelegate
Implicitly converts the specified node name to a VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)
(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html).

Declaration

```
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey>
public static implicit operator VirtualDirectory(VirtualNodeName nodeName)
    VirtualDirectory
    (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)
```

Parameters

Type	Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	nodeName	The node name to convert.

Return Value

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

implicit operator VirtualDirectory(string)

VirtualNodeContext
Implicitly converts the specified node name to a VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)
(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html).

Declaration

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

Parameters

Type	Name	Description
VirtualNodeType string (https://learn.microsoft.com/dotnet/api/system.string) (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	nodeName	The node name to convert.

Return Value

Type	Description
VirtualNodeFilter VirtualPath	

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

operator -(VirtualDirectory, VirtualNode)

Overloads the subtraction operator to remove a node from the directory.

IVirtualDeepCloneable<T>

Declaration: Network.VirtualStorageLibrary

1.html)

VirtualWildcardMatcher

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

(AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate

Parameters:

(AkiraNetwork.VirtualStorageLibrary)

Type: PatternMatch

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNode

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

VirtualException

(AkiraNetwork.VirtualStorageLibrary)

Returns: VirtualGroupCondition<T, TKey>

Type: AkiraNetwork.VirtualStorageLibrary

2.html)

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

Implements:

IVirtualItem

(AkiraNetwork.VirtualStorageLibrary)

IVirtualDeepCloneable<T>

(AkiraNetwork.VirtualStorageLibrary.IVirtualDeepCloneable-1.html)

1.html)

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

VirtualNode

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

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

Extension Methods:

VirtualNodeExtensions

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

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

VirtualNodeListConditions

VirtualTextFormatter.GenerateSingleTableDebugText_1__0_(

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions.ResolveNodeType(VirtualNode)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

Extensions.ResolveNodeType_AkiraNetwork_VirtualStorageLibrary_VirtualNode_

VirtualNodeNotFoundException

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

(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilsilites_VirtualTextFormatter_GenerateTableDebugText_1_System_Collections_Generic_IEnumerable_0_)

(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary.VirtualStorageExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualSto

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

```
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
VirtualException
(AkiraNetwork.VirtualStorageLibrar
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrar
2.html)
VirtualID
(AkiraNetwork.VirtualStorageLibrar
VirtualItem
(AkiraNetwork.VirtualStorageLibrar
VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrar
1.html)
VirtualNode
(AkiraNetwork.VirtualStorageLibrar
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrar
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrar
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrar
VirtualnodeName
(AkiraNetwork.VirtualStorageLibrar
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrar
VirtualNodeType
(AkiraNetwork.VirtualStorageLibrar
VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrar
VirtualPath
```

Class VirtualException

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

Filter by title

Inheritance

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

Implements

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

VirtualCycleDetector

Inherited Members

ExceptionBaseException() (<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>)
ExceptionHelpLink () (<https://learn.microsoft.com/dotnet/api/system.exception.helplink>)
ExceptionHRESULT () (https://learn.microsoft.com/dotnet/api/system.exception_hresult)
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>)
ExceptionStackTrace () (<https://learn.microsoft.com/dotnet/api/system.exception.stacktrace>)
ExceptionTargetSite () (<https://learn.microsoft.com/dotnet/api/system.exception.targetsite>)
ExceptionSerializeObjectState () (<https://learn.microsoft.com/dotnet/api/system.exception.serializeobjectstate>)
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)))
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)))
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 (<https://learn.microsoft.com/dotnet/api/AkiraNetwork.html>).VirtualStorageLibrary (<https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.html>)

Assembly: VirtualStorageLibrary.dll

(AkiraNetwork.VirtualStorageLibrary)

Syntax

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException : VirtualException : Exception, ISerializable

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

Constructors

VirtualException()

(AkiraNetwork.VirtualStorageLibrary)

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

Declaration

```
public VirtualException()
```

▼

VirtualException(string)

1.html)

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

Declaration

(AkiraNetwork.VirtualStorageLibrary)

PatternMatch

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

(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector

Parameters

(AkiraNetwork.VirtualStorageLibrary)

Type VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary)

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

Name

Description

message

The error message.

VirtualException(string, Exception)

2.html)

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. (AkiraNetwork.VirtualStorageLibrary)

VirtualItem

Parameters

(AkiraNetwork.VirtualStorageLibrary)

Type VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary) message, Exception innerException)

1.html)

VirtualNode

Parameters

(AkiraNetwork.VirtualStorageLibrary)

Type VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

string

(VirtualNodeExtensions

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

(AkiraNetwork.VirtualStorageLibrary)

Name

Description

message

The error message.

Exception VirtualNodeListConditions

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

VirtualnodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

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

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

Implements

Extension Methods

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



(AkiraNetwork.VirtualStorageLibrary
1.html)
IVirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary
PatternMatch
(AkiraNetwork.VirtualStorageLibrary
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary
VirtualException
(AkiraNetwork.VirtualStorageLibrary
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary
2.html)
VirtualID
(AkiraNetwork.VirtualStorageLibrary
VirtualItem
(AkiraNetwork.VirtualStorageLibrary
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
(AkiraNetwork.VirtualStorageLibrary
VirtualPath
(AkiraNetwork.VirtualStorageLibrary

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

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

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)))
(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)))
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary)
object.GetHashCode() (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)
VirtualDirectory
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>)
(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 VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary)
VirtualItem<T>
```

Type [AkiraNetwork.VirtualStorageLibrary](#)

Name	Description
VirtualNode	The type of the item to be grouped.
T	The type of the item to be grouped.

Constructors

VirtualGroupConditions
(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition(Expression<Func<T, TKey>>, bool)
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException
Initializes a new instance of the VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary)

(VirtualGroupCondition-2.html) class with the specified grouping property and order.

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)

Declaration
NodeFilter
(AkiraNetwork.VirtualStorageLibrary)

VirtualPath
(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) <Func<T, TKey>> VirtualPath	groupBy	The property to group by.
NotifyNodeDelegate bool (https://learn.microsoft.com/dotnet/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary)	ascending	A value indicating whether the grouping order is ascending.

Properties

VirtualException
(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary)

VirtualHD
(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary)

Gets or sets a value indicating whether the grouping order is ascending. True if the order is ascending; otherwise, false.
[2.html](#)

Declaration

(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem<T>

Property Value
(AkiraNetwork.VirtualStorageLibrary)

Type	Description
VirtualNode bool (AkiraNetwork.VirtualStorageLibrary) (https://learn.microsoft.com/dotnet/api/system.boolean) lean (AkiraNetwork.VirtualStorageLibrary)	A boolean value indicating whether the grouping order is ascending.

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

Gets VirtualNode property used for grouping.

(AkiraNetwork.VirtualStorageLibrary)

Declaration

(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

Property Value

(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary.html)

VirtualTextFormatter.MatcherSingleTableDebugText<T>(T)
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilities_VirtualTextFormatter_MatcherSingleTableDebugText_1__0_)

(AkiraNetwork.VirtualStorageLibrary.PatternMatch)

(AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector)

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory)

(AkiraNetwork.VirtualStorageLibrary.VirtualException)

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

(AkiraNetwork.VirtualStorageLibrary.VirtualID)
(AkiraNetwork.VirtualStorageLibrary.VirtualItem)

(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.VirtualPath)

(AkiraNetwork.VirtualStorageLibrary.VirtualTable)

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
1.html)

Implements

IVirtualWildcardMatcher
IEquatable<VirtualID>
(AkiraNetwork.VirtualStorageLibrary.VirtualID.html)
NotifyNodeDelegate

Inherited Members

(AkiraNetwork.VirtualStorageLibrary)

PatternMatch
ValueType.Equals(object) (https://learn.microsoft.com/dotnet/api/system.valuetype.equals)
ValueType.GetHashCode() (https://learn.microsoft.com/dotnet/api/system.valuetype.gethashcode)
object.Equals(object, object) (https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-system-object))
VirtualDirectory
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

Syntax

(AkiraNetwork.VirtualStorageLibrary
2.html)

VirtualID Readonly record struct VirtualID : IEquatable<VirtualID>
(AkiraNetwork.VirtualStorageLibrary)

VirtualItem
(AkiraNetwork.VirtualStorageLibrary)

Constructors

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualID()

VirtualNode

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

Declaration

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeExtensions)

VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeNotFoundException

Properties

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeType)

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary)

Gets the unique identifier.
VirtualPath

Declaration

(AkiraNetwork.VirtualStorageLibrary)

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

Property Value

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

IVirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary)

PatternMatch
(AkiraNetwork.VirtualStorageLibrary)

Methods

VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary)

Returns a string representation of this instance's unique identifier.

(AkiraNetwork.VirtualStorageLibrary)

Declaration
VirtualException
(AkiraNetwork.VirtualStorageLibrary)

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

Returns

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

Overrides

(AkiraNetwork.VirtualStorageLibrary)

ValueType.ToString() (<https://learn.microsoft.com/dotnet/api/system.valuetype.tostring>)
1.html)

VirtualNode

Implements

(AkiraNetwork.VirtualStorageLibrary)

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

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

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

s_VirtualNodeName
(AkiraNetwork.VirtualStorageLibrary)

VirtualTextFormatter.GenerateSingleTableDebugText_1__0_)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

Assembly: VirtualStorageLibrary.dll

Syntax

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

1

Constructors

VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary) 1.html)

VirtualItem(VirtualNodeName)

(AkiraNetwork.VirtualStorageLibrary)

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

Narita
(Akira N)

(AKA) a Network Virtual Storage Library
declaration
Part II: Model

```
PatternMatch  
(AkiraNetwork.VirtualStorageLibrar  
protected VirtualItem(VirtualNodeName name)  
VirtualCycleDetector
```

Virtual Directories

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

VirtualItem(VirtualNodeName, DateTime)

(AkiraNetwork.VirtualStorageLibrary)

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

Declaration

`VirtualItem<T>`

```
Virtualem-1>
(AkiraNetworkVirtualStorage.libm
protected int VirtualStorageModeName name, DateTime createdDate)
1.html)
```

VirtualN

Parameters (AkiraNetwork VirtualStorage) library

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

VirtualItem(VirtualNodeName, DateTime, DateTime)

Virtual Storage List

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

DeclVirtualNodeTypeFilter

(AlvinNetworks VirtualStorage module name)

(AkiraNetw

VirtualPath

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

Parameters

Type		Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName)	name		The name of the item.
DateTime VirtualWildcardMatcher (https://learn.microsoft.com/dotnet/api/system.datetime) (AkiraNetwork.VirtualStorageLibrary)	createdDate		The creation date of the item.
DateTimeNodeDelegate (https://learn.microsoft.com/dotnet/api/system.datetime)	updatedDate		The last update date of the item.

Methods

VirtualDirectory (AkiraNetwork.VirtualStorageLibrary)

DeepClone(bool)

(AkiraNetwork.VirtualStorageLibrary)

Create Virtual Environments and Test Key Features

(Akira Nakamura's studio original sketch)

VirtualID Declaration

VirtualItem

public override abstract VirtualItem<T> GetVirtualItem()

Parameters

Type virtualNode

`bool VirtualNodeContext`
`(https://learn.microsoft.com/dotnet/api/`
`(AkiraNetwork.VirtualStorageLibrary.`

Returns VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)
Type: virtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary
VirtualNode
VirtualNodeName
(All Nodes))

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)
VirtualNodeNotFoundException

Overrides [VirtualStorageLibrary.OverriddenProperties](#)

VirtualNode type
VirtualNode DeepClone(bpool)
AkiraNetwork VirtualStorageLibrary
(AkiraNetwork VirtualStorageLibrary Virt

(AKT) VirtualNodeLibrary.virtual
e_System.Boolean) VirtualStorageLibrary.

VirtualPath
(AkiraNetwork.VirtualStorageLibrary)

Type	Name	Description
bool (AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext (https://learn.microsoft.com/dotnet/api/system.boolean) (Akira Network Virtual Storage Library))	recursive	In the case of items, this parameter is ignored.

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

Overrides [VirtualStorageLibrary.OverriddenProperties](#)

VirtualNode type
VirtualNode DeepClone(bpool)
AkiraNetwork VirtualStorageLibrary
(AkiraNetwork VirtualStorageLibrary Virt

(AKT) VirtualNodeLibrary.virtual
e_System.Boolean) VirtualStorageLibrary.

VirtualPath
(AkiraNetwork.VirtualStorageLibrary)

Implements

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

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utils
ies_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)
VirtualNodeExtensions.ResolveNodeType(VirtualNode)
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode
Extensions_ResolveNodeType_AkiraNetwork_VirtualStorageLibrary_VirtualNode_)
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary.
PatternMatch
(AkiraNetwork.VirtualStorageLibrary.
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary.
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary.
VirtualException
(AkiraNetwork.VirtualStorageLibrary.
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary.
2.html)
VirtualID
(AkiraNetwork.VirtualStorageLibrary.
VirtualItem
(AkiraNetwork.VirtualStorageLibrary.
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
(AkiraNetwork.VirtualStorageLibrary.
VirtualPath
(AkiraNetwork.VirtualStorageLibrary.

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.VirtualItem<T>.html)
Virtual items ensure that the actual data is distinctly present. If the user-defined type T implements the IVirtualDeepCloneable<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.

NotifyNodeDelegate

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

Inheritance

PatternMatch

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

↳ VirtualNodeDetector

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

↳ VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)

↳ VirtualDirectory

↳ VirtualItem<T>

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

Implements

VirtualException

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

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)>

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

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)

Inherited Members

VirtualID

VirtualNode.Name

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_Name)

VirtualItem

VirtualNode.CreatedDate

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_CreatedD

ate)

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

VirtualNode.UpdatedDate

VirtualNode.html

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_Updated

Date)

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

VirtualNode.VID

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_VID)

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

VirtualNode.IsReferencedInStorage

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_IsReferen

cedinStorage)

VirtualNodeListConditions

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.VirtualItem.html)

VirtualNodeName

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.VirtualItem.html)

VirtualNodeNotFoundException

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

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)

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

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)

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

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)

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

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)

NameSpace (AkiraNetwork.VirtualStorageLibrary)

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)

Assembly (VirtualStorageLibrary.dll)

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)

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.

(AkiraNetwork.VirtualStorageLibrary-1.html)

VirtualItem(VirtualNodeName, T?, DateTime)

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

(AkiraNetwork.VirtualStorageLibrary)

Declaration

PatternMatch

(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary)

Parameters

(AkiraNetwork.VirtualStorageLibrary)

Type

VirtualException

Name

Description

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

name

The name of the item.

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

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

2.html)

T VirtualID

(AkiraNetwork.VirtualStorageLibrary)

itemData

The data associated with this item. It is user-defined and can hold any type of data.

VirtualItem

DateTime

(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary)

1.html)

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem(VirtualNodeName, T?, DateTime, DateTime)

VirtualNodeContext

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

(AkiraNetwork.VirtualStorageLibrary)

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

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

(AkiraNetwork.VirtualStorageLibrary)

Parameters

(AkiraNetwork.VirtualStorageLibrary)

Type

VirtualNodeType

Name

Description

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

name

The name of the item.

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

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 (https://learn.microsoft.com/dotnet/api/system.datetime) VirtualWildcardMatcher (https://learn.microsoft.com/dotnet/api/system.datetime) NotifyNodeDelegate (AkiraNetwork.VirtualStorageLibrary.VirtualWildcardMatcher.NotifyNodeDelegate)	<i>updatedDate</i>	The last update date of the item.
PatternMatch (AkiraNetwork.VirtualStorageLibrary.VirtualWildcardMatcher.PatternMatch)		

Properties

ItemData

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

VirtualException

Declaration

```
AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey>
public class VirtualGroupCondition : VirtualCondition<T, TKey>
```

VirtualID

PropertyValue

(AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition)

Type

Type	Description
VirtualItem	(AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition)
T	VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition)

1.html

NodeType

(AkiraNetwork.VirtualStorageLibrary.VirtualNode)

Gets the type of the node.

Declaration

```
AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions
public override VirtualNodeType NodeType { get; }
```

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions)

PropertyName

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions)

Type

Type	Description
VirtualNotFoundException	(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions)

Overrides

VirtualNodeTypeFilter	(AkiraNetwork.VirtualStorageLibrary.VirtualNode.NodeType)
VirtualPath	(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_NodeType)
e)	(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_NodeType)

Methods

DeepClone(bool)

Creates a deep clone of this item.

Declaration

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

IVirtualWildcardMatcher

(AkiraNetwork.VirtualStorageLibrary)
Parameters

NotifyNodeDelegate

Type	Name	Description
AkiraNetwork.VirtualStorageLibrary PatternMatch bool (AkiraNetwork.VirtualStorageLibrary (https://learn.microsoft.com/dotnet/api/system.boolean) VirtualCycleDetector	recursive	If true, perform a deep clone recursively.

(AkiraNetwork.VirtualStorageLibrary)
Returns

VirtualDirectory

Type	Description
AkiraNetwork.VirtualStorageLibrary VirtualException VirtualNode (AkiraNetwork.VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey> INode.html)) (AkiraNetwork.VirtualStorageLibrary 2.html)	A deep clone of the current item as a VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html).

Overrides

VirtualNode.DeepClone(bool)
VirtualNode.DeepClone()
(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html#AkiraNetwork_VirtualStorageLibrary_VirtualItem_DeepClone_
System.Object)
VirtualStorageLibrary

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)
VirtualItem<T>.Dispose()
VirtualStorageLibrary

Dispose()

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

Declaration

VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeExtensions
VirtualNode.Dispose()
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeName
(AkiraNetwork.VirtualStorageLibrary)

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

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

VirtualPath
(AkiraNetwork.VirtualStorageLibrary)
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()

(AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)
Finalizer for the VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) class.
VirtualWildcardMatcher

Declaration

```
NotifyNodeDelegate
protected VirtualItem()
PatternMatch
VirtualCycleDetector
```

ToString()

(AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)
Returns the string representation of the current object.

VirtualException

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

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

Returns

(AkiraNetwork.VirtualStorageLibrary.VirtualItem)

Type	Description
VirtualItem	A string that represents the current object.

Overrides

(AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)
object.ToString() (<https://learn.microsoft.com/dotnet/api/system.object.tostring>)
VirtualNode

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext)

Update(VirtualNode)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)

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

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType)

Type	Name	Description
VirtualNodeType	<i>node</i>	The node containing the data to update.

Overrides

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

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.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_ArgumentException)	Thrown if the specified node is not of the same type as the current item.

Operators

VirtualNodeDelegate

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeDelegate)

PatternMatch

implicit operator VirtualItem<T>(VirtualnodeName)

VirtualCycleDetector

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

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html#AkiraNetwork_VirtualStorageLibrary_VirtualItem_VirtualDirectory)

Declaration

VirtualException

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html#AkiraNetwork_VirtualStorageLibrary_VirtualItem_VirtualException)

```
public static implicit operator VirtualItem<T>(VirtualnodeName name)
  VirtualGroupCondition<T, TKey>
  (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html#AkiraNetwork_VirtualStorageLibrary_VirtualItem_VirtualGroupCondition_T_KKey)
```

Parameters

Type	Name	Description
VirtualID (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html#AkiraNetwork_VirtualStorageLibrary_VirtualItem_VirtualID)		
VirtualnodeName (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html)	name	The name of the node.

Returns

VirtualItem<T>

Type	Description
VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html#AkiraNetwork_VirtualStorageLibrary_VirtualItem_VirtualNode)	A VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) initialized with the specified node name.

implicit operator VirtualItem<T>(string)

VirtualnodeName

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

VirtualNodeNotFoundException

Declaration

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html#AkiraNetwork_VirtualStorageLibrary_VirtualItem_VirtualNodeType)

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html#AkiraNetwork_VirtualStorageLibrary_VirtualItem_VirtualNodeTypeFilter)

Parameters

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html#AkiraNetwork_VirtualStorageLibrary_VirtualItem_VirtualPath)

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

Returns

Type	Description
VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) allItem-1.html) <T>IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate (AkiraNetwork.VirtualStorageLibrary)	A VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) initialized with the specified node name.

implicit operator VirtualItem<T>((VirtualnodeName, T? itemData))

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

Declaration

```
VirtualException
public static implicit operator VirtualItem<T>((VirtualnodeName nodeName, T? itemData) tuple)
    VirtualGroupCondition<T, TKey>
    (AkiraNetwork.VirtualStorageLibrary)
```

Parameters

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

VirtualNodeContext

Returns

Type	Description
VirtualNodeExtensions (AkiraNetwork.VirtualStorageLibrary) VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary.VirtualItemVirtualNodeName <T>(AkiraNetwork.VirtualStorageLibrary)	A VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) initialized with the specified values.

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

implicit operator VirtualItem<T>(T?)

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 VirtualPath GenerateNodeName(string)
(AkiraNetwork.VirtualStorageLibrary)

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

Declaration

```
public static implicit operator VirtualItem<T>(T? itemData)
```

Parameters

(AkiraNetwork.VirtualStorageLibrary.

Type	Name	Description
T	itemData	The data associated with this item. It is user-defined and can hold any type of data.

NotifyNodeDelegate

Returns (AkiraNetwork.VirtualStorageLibrary.

Type	Description
PatternMatch	
(AkiraNetwork.VirtualStorageLibrary.	
VirtualItem	A
VIRTUALCYCLEDETECTOR	VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)
ITEMV1HTML	initialized with the specified data.
<T>(AkiraNetwork.VirtualStorageLibrary.	

VirtualException

(AkiraNetwork.VirtualStorageLibrary.

Implements

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary.

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

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

VIRTUALID

(AkiraNetwork.VirtualStorageLibrary.

VirtualItem

(AkiraNetwork.VirtualStorageLibrary.

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utils_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

VirtualNodeExtensions.ResolveNodeType(VirtualNode)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeExtensions_ResolveNodeType_AkiraNetwork_VirtualStorageLibrary_VirtualNode_)

VIRTUALNODECONTEXT

(AkiraNetwork.VirtualStorageLibrary.

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary.

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary.

VirtualnodeName

(AkiraNetwork.VirtualStorageLibrary.

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary.

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary.

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.

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

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

Parameters

PatternMatch

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary)		
VirtualCycleDetector		
VirtualNodeName	name	The name of node.
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)		
(AkiraNetwork.VirtualStorageLibrary)		
DateTime (https://learn.microsoft.com/dotnet/api/system.datetime)	createdDate	The created date of node.
VirtualException		
(AkiraNetwork.VirtualStorageLibrary)		
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

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

Parameters

VirtualNode

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary)		
VirtualNodeContext		
VirtualNodeName	name	The name of node.
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)		
(AkiraNetwork.VirtualStorageLibrary)		
DateTime (https://learn.microsoft.com/dotnet/api/system.datetime)	createdDate	The created date of node.
VirtualNodeListConditions		
(AkiraNetwork.VirtualStorageLibrary)		
DateTime (https://learn.microsoft.com/dotnet/api/system.datetime)	updatedDate	The updated date of node.
(AkiraNetwork.VirtualStorageLibrary)		

Properties

CreatedDate

(AkiraNetwork.VirtualStorageLibrary)

Gets the created date of the node. This date represents when the node was first created.

Declaration

```
public DateTime CreatedDate { get; }
```



Property Value

Type	Description
(AkiraNetwork.VirtualStorageLibrary.html) DateTime (https://learn.microsoft.com/dotnet/api/system.datetime) VirtualWildcardMatcher	

(AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate

(AkiraNetwork.VirtualStorageLibrary)

PatternMatch

IsReferencedInStorage

Gets (AkiraNetwork.VirtualStorageLibrary) if referenced in storage. If this property is true, the node is referenced from storage.

Otherwise VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary)

```
public bool IsReferencedInStorage { get; }
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>

Property Value

Type	Description
(AkiraNetwork.VirtualStorageLibrary.html) bool (https://learn.microsoft.com/dotnet/api/system.boolean)	

VirtualID

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

Name

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

Gets the name of node.

1.html)

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

```
public string VirtualName { get; }
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

Property Value

Type	Description
(AkiraNetwork.VirtualStorageLibrary) VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary)	

VirtualNodeName (<https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html>)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

NodeType

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

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

Property Value

Type	Description
VirtualNodeType (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html) (AkiraNetwork.VirtualStorageLibrary 1.html) IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary NotifyNodeDelegate 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. PatternMatch Declaration (AkiraNetwork.VirtualStorageLibrary VirtualCycleDetector p(AkiraNetwork.VirtualStorageLibrary get;) VirtualDirectory (AkiraNetwork.VirtualStorageLibrary VirtualException	

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.

PatternMatch

Declaration

```
VirtualCycleDetector  
p(AkiraNetwork.VirtualStorageLibrary get; )  
VirtualDirectory  
(AkiraNetwork.VirtualStorageLibrary  
VirtualException
```

Property Value

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

VirtualID

VID

Gets the VID of node
(AkiraNetwork.VirtualStorageLibrary
VirtualItem

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

```
public VirtualID VID { get; }  
VirtualNode  
(AkiraNetwork.VirtualStorageLibrary  
VirtualNodeContext
```

Property Value

Type	Description
VirtualNodeExtensions VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary VirtualNodeName (AkiraNetwork.VirtualStorageLibrary VirtualNodeType (AkiraNetwork.VirtualStorageLibrary VirtualPath	

Methods

DeepClone(bool)

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

```
VirtualPath  
Declaration  
(AkiraNetwork.VirtualStorageLibrary
```

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

Parameters

Type	Name	Description
bool	recursive	When true, all child nodes are also cloned, creating a deep copy of the entire system. The default is false. The CreatedDate and UpdatedDate properties are not preserved. They are set to the current date and time at the moment of instantiation or cloning.

(AkiraNetwork.VirtualStorageLibrary)

Returns

Type	Description
PatternMatch	
VirtualNode	Cloned
VirtualNodeDelegate	VirtualNode
.html	(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)
VirtualDirectory	VirtualDirectory instance
VirtualException	
VirtualStorageLibrary	
VirtualGroupCondition<T, TKey>	
VirtualStorageLibrary	Updates the VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html).
VirtualStorageLibrary	2.html)

Update(VirtualNode)

Updates the VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html).

Declaration

(AkiraNetwork.VirtualStorageLibrary)

```
public abstract void Update(VirtualNode node)
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem<T>

Parameters

Type	Name	Description
VirtualNode	node	Value to update

Implementation

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

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

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeMapper

(AkiraNetwork.VirtualStorageLibrary)

VirtualTextFormatter

GenerateSingleTableDebugText<T>(T)

VirtualNodeNotFoundException

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

s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

VirtualNodeType

VirtualNodeExtensions ResolveNodeType(VirtualNode)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode

Extensions_ResolveNodeType_AkiraNetwork_VirtualStorageLibrary_VirtualNode_)

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)



(AkiraNetwork.VirtualStorageLibrary
1.html)
IVirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary
PatternMatch
(AkiraNetwork.VirtualStorageLibrary
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary
VirtualException
(AkiraNetwork.VirtualStorageLibrary
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary
2.html)
VirtualID
(AkiraNetwork.VirtualStorageLibrary
VirtualItem
(AkiraNetwork.VirtualStorageLibrary
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
(AkiraNetwork.VirtualStorageLibrary
VirtualPath
(AkiraNetwork.VirtualStorageLibrary

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

↳ object (<https://learn.microsoft.com/dotnet/api/system.object>)
 ↳ VirtualWildcardMatcher
 ↳ VirtualNodeContext
 ↳ [\(AkiraNetwork.VirtualStorageLibrary\)](#)

Inherited Members

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

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

Assembly [\(AkiraNetwork.VirtualStorageLibrary 2.html\)](#)

Syntax

VirtualID
[\(AkiraNetwork.VirtualStorageLibrary 2.html\)](#)

public class VirtualNodeContext
 VirtualItem

[\(AkiraNetwork.VirtualStorageLibrary\)](#)
VirtualItem<T>

Constructors

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

VirtualNode

VirtualNodeContext(VirtualNode?, VirtualPath, VirtualDirectory?, int, int, VirtualPath?, bool, VirtualSymbolicLink?)

[\(AkiraNetwork.VirtualStorageLibrary\)](#)
Initializes a new instance of the VirtualNodeContext ([AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html](#))
VirtualNodeExtensions
class [\(AkiraNetwork.VirtualStorageLibrary\)](#)

Declaration

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

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

VirtualNodeType

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

VirtualNodeTypeFilter

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

VirtualPath

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

Type	Name	Description
VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)	<i>node</i>	The node being traversed.
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>traversalPath</i>	The path used for node traversal.
VirtualDirectory VirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html) NotifyNodeDelegate int (AkiraNetwork.VirtualStorageLibrary.VirtualDepth.html) (https://learn.microsoft.com/dotnet/api/system.int32) (AkiraNetwork.VirtualStorageLibrary.VirtualDepth.html)	<i>parentNode</i>	The parent directory of the node.
int VirtualCycleDetector int (AkiraNetwork.VirtualStorageLibrary.VirtualDepth.html) VirtualDirectory VirtualDepth VirtualDepthException (AkiraNetwork.VirtualStorageLibrary.VirtualDepth.html) VirtualGroupCondition<T, TKey> bool (AkiraNetwork.VirtualStorageLibrary.VirtualDepth.html) VirtualID m.boolean (AkiraNetwork.VirtualStorageLibrary.VirtualDepth.html)	<i>depth</i>	The depth of the node. The root is considered 0.
VirtualPathException (AkiraNetwork.VirtualStorageLibrary.VirtualPathException.html)	<i>index</i>	The index of the node. Corresponds to the enumeration order within the directory.
VirtualPathException (AkiraNetwork.VirtualStorageLibrary.VirtualPathException.html) VirtualGroupCondition<T, TKey> bool (AkiraNetwork.VirtualStorageLibrary.VirtualDepth.html) VirtualID m.boolean (AkiraNetwork.VirtualStorageLibrary.VirtualDepth.html)	<i>resolvedPath</i>	The result of resolving a symbolic link.
VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html) VirtualSymbolicLink<T> (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)	<i>resolved</i>	Indicates whether the symbolic link has been resolved.
VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html) VirtualSymbolicLink<T> (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)	<i>resolvedLink</i>	The resolved symbolic link.

Properties

Depth

Gets `VirtualNode.Depth`. This can only be set within the assembly. The root is considered 0.

(AkiraNetwork.VirtualStorageLibrary.VirtualDepth.html)

Declaration

`VirtualNodeName`

(AkiraNetwork.VirtualStorageLibrary.VirtualDepth.html)

`VirtualNodeDepthException`

(AkiraNetwork.VirtualStorageLibrary.VirtualDepth.html)

`VirtualNodeType`

(AkiraNetwork.VirtualStorageLibrary.VirtualDepth.html)

Type

`VirtualNodeTypeFilter`

(AkiraNetwork.VirtualStorageLibrary.VirtualDepth.html)

`int`

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

`VirtualPath`

(AkiraNetwork.VirtualStorageLibrary.VirtualDepth.html)

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  
1.html)
```

Property Value

IVirtualWildcardMatcher

Type AkiraNetwork.VirtualStorageLibrary

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

PatternMatch

(AkiraNetwork.VirtualStorageLibrary

Node

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary

Gets the node and can only be set within the assembly.

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary

VirtualException

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

(AkiraNetwork.VirtualStorageLibrary

Property Value

VirtualID

Type AkiraNetwork.VirtualStorageLibrary

VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

Description

The current node.

ParentDirectory

1.html

VirtualNode

Gets the parent directory of the node and can only be set within the assembly.

(AkiraNetwork.VirtualStorageLibrary

Declaration

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeExtension? ParentDirectory { get; }

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeListConditions

Type AkiraNetwork.VirtualStorageLibrary

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary

VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)

Description

The instance of the parent directory.

Resolved

VirtualStorageLibrary

VirtualNodeTypeFilter

Gets a value indicating whether the symbolic link has been resolved and can only be set within the assembly.

(AkiraNetwork.VirtualStorageLibrary

VirtualPath

Declaration

(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.

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

Declaration

```
public VirtualSymbolicLink? ResolvedLink { get; }
```

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

VirtualDirectory

Property Value

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

Type	Description
VirtualException	The resolved symbolic link, or null.

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

2.html)

VirtualID

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

VirtualItem

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

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

Declaration

```
public VirtualPath? ResolvedPath { get; }
```

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

Property Value

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

Type	Description
VirtualPath	The resolved path, or null.

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

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

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

Declaration

```
public VirtualPath? TraversalPath { get; }
```

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

Property Value

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

▼

Methods

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

IVirtualWildcardMatcher

Tostring()

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

NotifyNodeDelegate

Returns a string representation of this instance's information.

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Declaration

Match

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

protected override string ToString()

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualDirectory

Returns

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Type

VirtualException

Description

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

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

VirtualGroupCondition<T, TKey>

A string representing this instance's information.

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Overrides

2.html

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

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Extension Methods

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualTextFormatter.GenerateSingleTableDebugText_1__0_()

VirtualNode

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualnodeName

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Class VirtualNodeExtensions

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

Filter by title

Inheritance

(AkiraNetwork.VirtualStorageLibrary.html)
↳ object (https://learn.microsoft.com/dotnet/api/system.object)
↳ VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary.html)
NotifyNodeDelegate
object.Equals(object) (https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object))
(AkiraNetwork.VirtualStorageLibrary.html)
PatternMatch
object.Equals(object, object) (https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-system-object))
(AkiraNetwork.VirtualStorageLibrary.html)
VirtualCycleDetector
object.GetHashCode() (https://learn.microsoft.com/dotnet/api/system.object.gethashcode)
(AkiraNetwork.VirtualStorageLibrary.html)
object.GetType() (https://learn.microsoft.com/dotnet/api/system.object.gettype)
(AkiraNetwork.VirtualStorageLibrary.html)
VirtualDirectory
object.MemberwiseClone() (https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone)
(AkiraNetwork.VirtualStorageLibrary.html)
object.ReferenceEquals(object, object) (https://learn.microsoft.com/dotnet/api/system.object.referenceequals)
(AkiraNetwork.VirtualStorageLibrary.html)
VirtualException
object.ToString() (https://learn.microsoft.com/dotnet/api/system.object.tostring)
(AkiraNetwork.VirtualStorageLibrary.html)

Name space AkiraNetwork (AkiraNetwork.html).VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

Assembly AkiraNetwork.VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

Syntax

VirtualID
(AkiraNetwork.VirtualStorageLibrary.html)

VirtualItem
(AkiraNetwork.VirtualStorageLibrary.html)

VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary.html)

Methods

VirtualNode
(AkiraNetwork.VirtualStorageLibrary.html)

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary.html)

ResolveNodeType(VirtualNode)

(AkiraNetwork.VirtualStorageLibrary.html)

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

(VirtualNodeExtensions.html)

Otherwise, returns the type of the node itself.

(AkiraNetwork.VirtualStorageLibrary.html)

Declaration

(AkiraNetwork.VirtualStorageLibrary.html)

VirtualNodeName

public static VirtualNodeType ResolveNodeType(this VirtualNode node)

(AkiraNetwork.VirtualStorageLibrary.html)

VirtualNodeNotFoundException

Parameters

VirtualNode
(AkiraNetwork.VirtualStorageLibrary.html)

Type	Name	Description
VirtualNode (AkiraNetwork.VirtualStorageLibrary.html)	node	The virtual node to resolve the type for.

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.html)

Returns

Type	Description
VirtualNodeType (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html)	The type of the node or, if the node is a symbolic link, the type of the target node.

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)
IVirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary.VirtualWildcardMatcher.html)
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate.html)
PatternMatch
(AkiraNetwork.VirtualStorageLibrary.PatternMatch.html)
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector.html)
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)
VirtualException
(AkiraNetwork.VirtualStorageLibrary.VirtualException.html)
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition.html)
VirtualID
(AkiraNetwork.VirtualStorageLibrary.VirtualID.html)
VirtualItem
(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)
VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary.VirtualItemT.html)
VirtualNode
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html)
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html)
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions.html)
VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html)
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html)
VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html)
VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html)
VirtualPath
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Struct VirtualNodeListConditions

Represents the conditions for creating a list of virtual nodes.

Filter by title

Inherited Members

(AkiraNetwork.VirtualStorageLibrary)
Value Type Equals(object) (<https://learn.microsoft.com/dotnet/api/system.valuetype.equals>)
Value Type GetHashCode() (<https://learn.microsoft.com/dotnet/api/system.valuetype.gethashcode>)
Value Type 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\(system-object-system-object\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object-system-object)))
object GetHashCode() (<https://learn.microsoft.com/dotnet/api/system.object.gethashcode>)
object GetType() (<https://learn.microsoft.com/dotnet/api/system.object.gettype>)
object ReferenceEquals(object, object) (<https://learn.microsoft.com/dotnet/api/system.object.referenceequals>)

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

Assembly: [VirtualStorageLibrary.dll](#)

Syntax

(AkiraNetwork.VirtualStorageLibrary)
VirtualException
public struct VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary)

Constructors

VirtualNodeListConditions()
VirtualID
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions()
VirtualNodeListConditions()
VirtualNodeListConditions()
VirtualNodeListConditions()

Initializes a new instance of the VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary).VirtualNodeListConditions.html) class with default conditions.

Declaration
VirtualNode

(AkiraNetwork.VirtualStorageLibrary)
public VirtualNodeListConditions()
VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeExtensions

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

VirtualNodeListConditions(VirtualNodeTypeFilter,
VirtualGroupCondition<VirtualNode, object>?,
List<VirtualSortCondition<VirtualNode>>?)

VirtualNodeName
(AkiraNetwork.VirtualStorageLibrary)

Initializes a new instance of the VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary).VirtualNodeListConditions.html) class with the specified conditions.

(AkiraNetwork.VirtualStorageLibrary)

Declaration
VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeTypeFilterListConditions(VirtualNodeTypeFilter filter, VirtualGroupCondition<Virtual

Node, object>? groupCondition, List<VirtualSortCondition<VirtualNode>>? sortConditions)

VirtualPath
(AkiraNetwork.VirtualStorageLibrary)

Parameters

Type	Name	Description
VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html)	<i>filter</i>	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)>	<i>groupCondition</i>	The grouping condition for the virtual nodes.
List IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary (https://learn.microsoft.com/dotnet/api/system.collections.generic.list-1) NotifyNodeDelegate < (AkiraNetwork.VirtualStorageLibrary PatternMatch VirtualSortCondition (AkiraNetwork.VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.VirtualSortCondition-1.html) <VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)>> (AkiraNetwork.VirtualStorageLibrary VirtualDirectory (AkiraNetwork.VirtualStorageLibrary VirtualException (AkiraNetwork.VirtualStorageLibrary	<i>sortConditions</i>	The sorting conditions for the virtual nodes.

Properties

VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary

Filter

2.html)

VirtualID

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

(AkiraNetwork.VirtualStorageLibrary

Declaration

VirtualItem
(AkiraNetwork.VirtualStorageLibrary

VirtualItemVirtualNodeTypeFilter Filter { readonly get; set; }

(AkiraNetwork.VirtualStorageLibrary

1.html)

Property Value

VirtualNode
(AkiraNetwork.VirtualStorageLibrary

Type	Description
VirtualNodeTypeFilter	The filter specifying the types of virtual nodes. The default value is All.

VirtualNodeContext	
VirtualNodeTypeFilter	The filter specifying the types of virtual nodes. The default value is All.
(AkiraNetwork.VirtualStorageLibrary	(AkiraNetwork.VirtualStorageLibrary
(AkiraNetwork.VirtualStorageLibrary	All
VirtualNodeExtensions	
array.VirtualNodeTypeFilter.html)	(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html#AkiraNetwork
(AkiraNetwork.VirtualStorageLibrary	_VirtualStorageLibrary_VirtualNodeTypeFilter_All)
VirtualNodeListConditions	
(AkiraNetwork.VirtualStorageLibrary	

VirtualnodeName

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary

Specifies the grouping condition, determining how to group the virtual nodes.

(AkiraNetwork.VirtualStorageLibrary

Declaration

VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary

VirtualPath
(AkiraNetwork.VirtualStorageLibrary

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

(AkiraNetwork.VirtualStorageLibrary

Property Value

Type	Description
VirtualGroupCondition (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition-2.html) < VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html) , object (https://learn.microsoft.com/dotnet/api/system.object)> IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary) NotifyNodeDelegate (AkiraNetwork.VirtualStorageLibrary)	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) PatternMatch Specifies the sorting conditions, determining the order in which the virtual nodes are arranged. (AkiraNetwork.VirtualStorageLibrary)	

Declaration

```
public List<VirtualSortCondition<VirtualNode>>? SortConditions { readonly get; set; }  
(AkiraNetwork.VirtualStorageLibrary)
```

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

```
VirtualNodeExtensions  
(AkiraNetwork.VirtualStorageLibrary)  
VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)  
VirtualNodeListConditions  
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utils  
s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)  
VirtualNodeName  
(AkiraNetwork.VirtualStorageLibrary)
```

VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeException
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary)
VirtualPath
(AkiraNetwork.VirtualStorageLibrary)

Class VirtualNodeName

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

Inheritance
[\(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html\)](#)

↳ object (<https://learn.microsoft.com/dotnet/api/system.object>)
 ↳ VirtualWildcardMatcher
 ↳ VirtualNodeName
 ↳ [\(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html\)](#)

Implements

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

([\(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html\)](#))>

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

([\(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html\)](#))>

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

Inherited Members

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

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

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>)

VirtualID

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

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

Assembly: VirtualStorageLibrary.dll

VirtualItem

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

VirtualItem<T>

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

VirtualNode

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

VirtualNodeContext

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

VirtualNodeExtensions

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

VirtualNodeListConditions

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

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

class VirtualNodeName with the specified name.

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

Declaration

VirtualNodeNotFoundException

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

public VirtualNodeName(string name)

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

VirtualNodeTypeFilter

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

VirtualPath

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

Parameters

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

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

Properties

(AkiraNetwork.VirtualStorageLibrary.html)	IsRoot	VirtualWildcardMatcher
Indicates whether the node is the root node.	NotifyNodeDelegate	
(AkiraNetwork.VirtualStorageLibrary.html)	Declaration	AkiraNetwork.VirtualStorageLibrary
	Type	PatternMatch
(AkiraNetwork.VirtualStorageLibrary.html)		VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary.html)	Property Value	VirtualDirectory
Type	AkiraNetwork.VirtualStorageLibrary	
VirtualException		
bool (https://learn.microsoft.com/dotnet/api/system.boolean)		true if this is the root node; otherwise, false .

Name

VirtualID	
Gets the name of the node.	
(AkiraNetwork.VirtualStorageLibrary.html)	
VirtualItem	
(AkiraNetwork.VirtualStorageLibrary.html)	
VirtualItem<T>	
public string Name { get; }	
(AkiraNetwork.VirtualStorageLibrary.html)	
1.html)	
VirtualNode	

Property Value

Type	Description
VirtualNodeContext	

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

The name of this node.

Methods

CompareTo(VirtualNodeName?)

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

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

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

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

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

Parameters

Type	Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate (AkiraNetwork.VirtualStorageLibrary.	other	The VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) to compare with.

Returns

Type	Description
PatternMatch (AkiraNetwork.VirtualStorageLibrary.int VirtualCycleDetector (http://learn.microsoft.com/dotnet/api/system.io.virtualdirectory nt32)VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualException (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary.Compared this instance with a specified object. 2.html)	A value indicating the relative order of the instances being compared.

CompareTo(object?)

Compares this instance with a specified object.
2.html)

Declaration

```
VirtualItem CompareTo(object? obj)
```

VirtualItem<T>

Parameters

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

Return

AkiraNetwork.VirtualStorageLibrary.

Type	Description
VirtualNodeExtensions (AkiraNetwork.VirtualStorageLibrary.int VirtualNodeListConditions (http://learn.microsoft.com/dotnet/api/system.io.virtualnode nt32)VirtualnodeName (AkiraNetwork.VirtualStorageLibrary.	A value indicating the relative order of the instances being compared.

Exceptions

Type	Condition
VirtualNodeType Arg (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType (https://learn.microsoft.com/dotnet/api/system.argument arg (AkiraNetwork.VirtualStorageLibrary.VirtualPath (AkiraNetwork.VirtualStorageLibrary.	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  
1.html)
```

Parameters

Type	AkiraNetwork.VirtualStorageLibrary.IVirtualWildcardMatcher	Name	Description
	NotifyNodeDelegate VirtualNodeName (AkiraNetwork.VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) PatternMatch (AkiraNetwork.VirtualStorageLibrary VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary VirtualDirectory	other	The VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) to compare with this instance.

Returns

VirtualDirectory

Type

AkiraNetwork.VirtualStorageLibrary

Description

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

VirtualID

(AkiraNetwork.VirtualStorageLibrary
VirtualID)

Equals(object?)

(AkiraNetwork.VirtualStorageLibrary
VirtualID)

Determines whether the specified object is equal to this instance.

Declaration

```
1.html)  
VirtualNode  
public override bool Equals(object? obj)  
(AkiraNetwork.VirtualStorageLibrary  
VirtualNodeContext
```

Parameters

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

Returns

VirtualNodeName

Type	AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException	Description
	bool (AkiraNetwork.VirtualStorageLibrary (https://learn.microsoft.com/dotnet/api/system.boolean) VirtualNodeType (AkiraNetwork.VirtualStorageLibrary VirtualNodeType)	true if the specified object is equal to this instance; otherwise, false .

Overrides

VirtualPath

(AkiraNetwork.VirtualStorageLibrary
VirtualPath)

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  
1.html)  
public static VirtualNodeName GenerateNodeName(string prefix)  
VirtualWildcardMatcher
```

(AkiraNetwork.VirtualStorageLibrary)

Parameters

(AkiraNetwork.VirtualStorageLibrary)

Type PatternMatch

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

Name prefix

Description The prefix for the node name.

Returns

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory

Type (AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary)

Type VirtualItem

Condition

(AkiraNetwork.VirtualStorageLibrary)

ArgumentException

Thrown when the prefix is an empty string.

1.html

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

Returns a hash code for this instance.

VirtualNodeExtensions

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

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

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

Returns VirtualNodeNotFoundException

Type (AkiraNetwork.VirtualStorageLibrary)

Description

VirtualNodeType

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

A hash code for this instance.

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

Overrides

(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary)

IsValidNodeName(VirtualnodeName)

Checks if a node name is valid.

Declaration

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

Parameters
1.html)

Type	Name	Description
VirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html)	nodeName	The node name to check.

PatternMatch
Returns

Type	Description
VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)	true if the node name is valid; otherwise, false .

VirtualException

(AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector.html)

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition.html)

ResetCounter()
Resets the counter used for node name generation.
2.html)

VirtualID

(AkiraNetwork.VirtualStorageLibrary.VirtualID.html)

VirtualItem

public static void ResetCounter()
(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)

ToString()
VirtualNode

Returns the name of the node as a string.

VirtualNodeContext

Declaration
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html)

VirtualNodeExtensions

public static string ToString()
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions.html)

Returns
VirtualnodeName

Type	Description
AkiraNetwork.VirtualStorageLibrary.VirtualnodeName (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html)	The name of the node as a string.

VirtualNodeType

Overrides
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html)

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

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Operators

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

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

Type	Name	Description
IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary.VirtualPatternMatchNodeName.html)	left	The left VirtualnodeName (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html) to compare.
VirtualnodeName (AkiraNetwork.VirtualStorageLibrary.VirtualnodeNameException) (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey>) (AkiraNetwork.VirtualStorageLibrary.VirtualPath)	right	The right VirtualnodeName (AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html) to compare.

Returns

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

implicit operator string(VirtualnodeName)

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

Declaration

```
public implicit operator string(VirtualnodeName nodeName)
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)
```

Parameters

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

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

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](#)).
[T.html](#))

Declaration

(AkiraNetwork.VirtualStorageLibrary)

```
public static implicit operator VirtualNodeName(string name)
```

(AkiraNetwork.VirtualStorageLibrary)

PatternMatch

Parameters

(AkiraNetwork.VirtualStorageLibrary)

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

Return Value

(AkiraNetwork.VirtualStorageLibrary)

Type	Description
VirtualGroupCondition<T, TKey>	(AkiraNetwork.VirtualStorageLibrary)

(AkiraNetwork.VirtualStorageLibrary) ([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.

(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualNode

```
public static bool operator !=(VirtualNodeName? left, VirtualNodeName? right)
```

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

Parameters

VirtualNodeExtensions

Type	Name	Description
AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions	<i>left</i>	The left VirtualNodeName (AkiraNetwork.VirtualStorageLibrary) (VirtualNodeName.html) (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)
AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException	<i>right</i>	The right VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) 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

IComparable<T> (https://learn.microsoft.com/dotnet/api/system.icomparable-1)	
INotifyNodeDelegate (https://learn.microsoft.com/dotnet/api/system.inotifynodedelegate)	
IPatternMatch (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.PatternMatch)	
IVirtualCycleDetector (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector)	
VirtualTextFormatter.GenerateSingleTableDebugText<T>(T) (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilsitics_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)	
VirtualException (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualException)	
VirtualGroupCondition<T, TKey> (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition_1)	
VirtualID (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualID)	
VirtualItem (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualItem)	
VirtualItem<T> (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualItem_1)	
VirtualNode (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualNode)	
VirtualNodeContext (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext)	
VirtualNodeExtensions (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions)	
VirtualNodeListConditions (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)	
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)	
VirtualPath (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualPath)	

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>)

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

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

↳ VirtualNodeNotFoundException

↳ NotifyNodeDelegate

Implements

PatternMatch

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

(AkiraNetwork.VirtualStorageLibrary)

Inherited Members

VirtualCycleDetector

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

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

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

VirtualException

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

(AkiraNetwork.VirtualStorageLibrary)

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

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

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

VirtualMessage

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

VirtualSource

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

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

VirtualTarget

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

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

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

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

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

VirtualNodeExtensions

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

Assembly: VirtualStorageLibrary.dll

VirtualNodeListConditions

Syntax

(AkiraNetwork.VirtualStorageLibrary)

 VirtualNodeName

 p(AkiraNetwork.VirtualStorageLibrary) : VirtualException, ISerializable

 VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

 VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

 VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

 VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

Constructors

VirtualNodeNotFoundException()

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

Declaration

```
public VirtualNodeNotFoundException()
```



(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException(string)

IVirtualWildcardMatcher

Initializes a new instance of the VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

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

INodeNodeDelegate

(AkiraNetwork.VirtualStorageLibrary)

Declaration

PatternMatch

(AkiraNetwork.VirtualStorageLibrary)

```
public VirtualNodeNotFoundException(string message)
```

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

Parameters

Directory

(AkiraNetwork.VirtualStorageLibrary)

Type

VirtualException

string

(AkiraNetwork.VirtualStorageLibrary)

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

Name

Description

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

(AkiraNetwork.VirtualStorageLibrary)

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

VirtualItem<T>

Declaration

AkiraNetwork.VirtualStorageLibrary

1.html

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

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

Parameters

(AkiraNetwork.VirtualStorageLibrary)

Type

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

string

VirtualNodeListConditions

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

(AkiraNetwork.VirtualStorageLibrary)

Name

Description

message

The error message.

Exception

VirtualNodeName

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

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

innerException

The exception that is the cause of this exception.

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

ISerializable

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

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

Implements

(AkiraNetwork.VirtualStorageLibrary)

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

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

Extension Methods

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

▼

(AkiraNetwork.VirtualStorageLibrary
1.html)
IVirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary
PatternMatch
(AkiraNetwork.VirtualStorageLibrary
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary
VirtualException
(AkiraNetwork.VirtualStorageLibrary
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary
2.html)
VirtualID
(AkiraNetwork.VirtualStorageLibrary
VirtualItem
(AkiraNetwork.VirtualStorageLibrary
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
(AkiraNetwork.VirtualStorageLibrary
VirtualPath
(AkiraNetwork.VirtualStorageLibrary

Enum VirtualNodeType

Specifies the types of virtual nodes.

Filter by title

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

Assembly: VirtualStorageLibrary.dll
1.html)

Syntax

```
VirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary)
public enum VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)
PatternMatch
(AkiraNetwork.VirtualStorageLibrary)
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary)
```

Fields

Name	Description
VirtualDirectory (AkiraNetwork.VirtualStorageLibrary)	
VirtualException (AkiraNetwork.VirtualStorageLibrary)	Represents a directory node.
Item (AkiraNetwork.VirtualStorageLibrary)	Represents an item node with a user-defined type T.
None (AkiraNetwork.VirtualStorageLibrary)	Represents an unspecified or unknown node type.
SymbolicLink VirtualID (AkiraNetwork.VirtualStorageLibrary)	Represents a symbolic link node.

Extension Methods

```
VirtualTextFormatter.GenerateSingleTableDebugText<VirtualNodeType>(VirtualNodeType)
(AkiraNetwork.VirtualStorageLibrary)
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilitie
s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)
VirtualNode
(AkiraNetwork.VirtualStorageLibrary)
VirtualItemContext
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)
VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary)
VirtualPath
(AkiraNetwork.VirtualStorageLibrary)
```

Enum VirtualNodeTypeFilter

Specifies the filters for virtual node types.

▼ Filter by title

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

Assembly: VirtualStorageLibrary.dll
1.html

Syntax

```
VirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary)
public enum VirtualNodeTypeFilter
{
    NoTypeNodeDelegate
(AkiraNetwork.VirtualStorageLibrary)
    PatternMatch
(AkiraNetwork.VirtualStorageLibrary)
    VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary)
```

Fields

Name	Description
VirtualDirectory	(AkiraNetwork.VirtualStorageLibrary)
All	VirtualException Filter for all node types.
Directory	(AkiraNetwork.VirtualStorageLibrary) Filter for directory nodes.
VirtualGroupCondition<T, TKey>	
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_)
    VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary)
    VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary)
    VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)
    VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary)
    VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)
    VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)
    VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary)
    VirtualPath
(AkiraNetwork.VirtualStorageLibrary)
```

Class VirtualPath

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

Inheritance

1.html

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

Implements

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

Inherited Members

(AkiraNetwork.VirtualStorageLibrary)

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

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

VirtualID

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))

Assembly: VirtualStorageLibrary.dll

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

Syntax

VirtualItem<T>
p(AkiraNetwork.VirtualStorageLibrary.IEnumerable<VirtualPath>, IComparable<VirtualPath>, IComparable 1.html)

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath(IEnumerable<VirtualNodeName>)

(AkiraNetwork.VirtualStorageLibrary)

Initializes a new instance of the VirtualPath ([AkiraNetwork.VirtualStorageLibrary.VirtualPath.html](https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)) class with the

specified collection of path parts.

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

p(AkiraNetwork.VirtualStorageLibrary.IEnumerable<VirtualNodeName> parts)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

Parameters

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

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)

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

Declaration

```
(AkiraNetwork.VirtualStorageLibrary)
public VirtualPath(string path)
(AkiraNetwork.VirtualStorageLibrary)
  VirtualCycleDetector
```

Parameters

Type	VirtualDirectory (AkiraNetwork.VirtualStorageLibrary)	Name	path
string (https://learn.microsoft.com/dotnet/api/system.string)			The initial path string.

Properties

VirtualID

(AkiraNetwork.VirtualStorageLibrary)

Depth

(AkiraNetwork.VirtualStorageLibrary)

Gets the depth of the path.

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

Declaration

```
1.html)
```

VirtualNode

```
public int Depth { get; }
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

PropertyValue

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

Description

An integer representing the depth of the path.

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

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

Gets the directory part of the path.

VirtualNodeType

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

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

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

Property Value

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

(AkiraNetwork.VirtualStorageLibrary.Dot1.html)

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

Declaration

(AkiraNetwork.VirtualStorageLibrary)

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

VirtualCycleDetector

Property Value

Type	Description
VirtualDirectory (AkiraNetwork.VirtualStorageLibrary)	A string representing the dot symbol.

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

VirtualNodeException
(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary)

DotDot
2.html)

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

Declaration

VirtualItem
(AkiraNetwork.VirtualStorageLibrary)

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

1.html)

Property Value

Type	Description
VirtualNode (AkiraNetwork.VirtualStorageLibrary)	A string representing the double dot symbol.

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

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary)

FixedDepth
FixedDepthConditions
(AkiraNetwork.VirtualStorageLibrary)

Gets the depth of the fixed path.
VirtualNodeName
(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)

public int FixedDepth { get; }
VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)

Property Value

TypeFilter
(AkiraNetwork.VirtualStorageLibrary)

VirtualPath
(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Gets the fixed part of the path applying wildcard matching.

Declaration

NotifyNodeDelegate

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

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

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Property Value

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Type

VirtualDirectory

Description

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

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

Remarks

(2.html)

The fixed path excludes parts containing wildcards.

VirtualID

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

IsAbsolute

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Gets a value indicating whether the instance's path is absolute.

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Declaration

(1.html)

VirtualNode

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Property Value

VirtualNodeExtensions

Type

AkiraNetwork.VirtualStorageLibrary.VirtualPath.html

Description

VirtualNodeListConditions

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

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

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeNotFoundException

IsDot

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Gets a value indicating whether the instance's path is a dot.

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Declaration

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

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

Property Value

Type	Description
bool (https://learn.microsoft.com/dotnet/api/system.boolean) 1.html) IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary NotifyNodeDelegate (AkiraNetwork.VirtualStorageLibrary Gets a value indicating whether the instance's path is a double dot. PatternMatch Declaration (AkiraNetwork.VirtualStorageLibrary VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary VirtualDirectory (AkiraNetwork.VirtualStorageLibrary Property Value VirtualException	true if the instance's path is a dot; otherwise, false .

IsDotDot

Gets a value indicating whether the instance's path is a double dot.

PatternMatch

Declaration
(AkiraNetwork.VirtualStorageLibrary
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary
Property Value
VirtualException

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 IsEmpty VirtualItem<T> Gets a value indicating whether the instance's path is empty. 1.html) Declaration VirtualNode (AkiraNetwork.VirtualStorageLibrary public bool IsEmpty { get; } VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary VirtualNode VirtualNodeExtensions Type VirtualNodeListConditions bool (AkiraNetwork.VirtualStorageLibrary (https://learn.microsoft.com/dotnet/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary VirtualNodeNotFoundException (AkiraNetwork.VirtualStorageLibrary VirtualNodeType VirtualNodeTypeFilter Gets a value indicating whether the instance's path ends with a slash. VirtualNodeTypeFilter Declaration (AkiraNetwork.VirtualStorageLibrary VirtualPath (AkiraNetwork.VirtualStorageLibrary Property Value VirtualException	true if the instance's path is a double dot; otherwise, false .

IsEmpty

Gets a value indicating whether the instance's path is empty.

1.html)
Declaration
VirtualNode
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary
VirtualNode
VirtualNodeExtensions
Type
VirtualNodeListConditions
bool
(AkiraNetwork.VirtualStorageLibrary
(<https://learn.microsoft.com/dotnet/api/system.boolean>)
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeType
VirtualNodeTypeFilter
Gets a value indicating whether the instance's path ends with a slash.
VirtualNodeTypeFilter
Declaration
(AkiraNetwork.VirtualStorageLibrary
VirtualPath
(AkiraNetwork.VirtualStorageLibrary
Property Value
VirtualException

IsEndsWithSlash

Gets a value indicating whether the instance's path ends with a slash.

VirtualNodeTypeFilter
Declaration
(AkiraNetwork.VirtualStorageLibrary
VirtualPath
(AkiraNetwork.VirtualStorageLibrary
Property Value
VirtualException

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

Property Value

Type	Description
bool (https://learn.microsoft.com/dotnet/api/system.boolean) 1.html)	true if the instance's path ends with a slash; otherwise, false .

IVirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary)

IsRoot
Gets a value indicating whether the instance's path is the root path.
(AkiraNetwork.VirtualStorageLibrary)

Declaration
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory
IsRoot { get; }
(AkiraNetwork.VirtualStorageLibrary)

VirtualException
Property Value
(AkiraNetwork.VirtualStorageLibrary)

Type	Description
VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary)	true if the instance's path is the root path; otherwise, false .

VirtualItem
(AkiraNetwork.VirtualStorageLibrary)

NodeName
Value<T>
(AkiraNetwork.VirtualStorageLibrary)

Gets the node name of the path.
1.html)

VirtualNode
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext
VirtualNodeName NodeName { get; }
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary)

Property Value
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName
(AkiraNetwork.VirtualStorageLibrary)

INodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary)

PartsList
VirtualPath
Gets the list of parts that make up the path.
(AkiraNetwork.VirtualStorageLibrary)

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

Gets the path separator character.

Declaration

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

Property Value

Type	Description
AkiraNetwork.VirtualStorageLibrary. 1.html) char (https://learn.microsoft.com/dotnet/api/system.char) VirtualWildcardMatcher	A character representing the path separator.

Methods

(AkiraNetwork.VirtualStorageLibrary
VirtualCycleDetector

AddEndSlash()

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

VirtualE

```
VirtualException  
Declaration  
(AkiraNetwork.VirtualStorageLibrary)  
  
VirtualGroupCondition<T, TKey>  
public VirtualPath AddEndSlash()  
(AkiraNetwork.VirtualStorageLibrary)  
2.html)
```

ReturnVirtualID

Type	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualItem)	
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath)	A new VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) with a trailing slash.
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)	

(AkiraNetwork.Vi
AddStartSlash()

Adds a new class to the same library
VirtualNodeContext

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

Declaration

```
p(AkiraNetwork)VirtualStorageLibrary  
VirtualNodeListConditions  
p(AkiraNetwork)VirtualStorageLibrary
```

VirtualM

Returns VirtualNodeNotFoundException

virt

Type AkiraNetwork.VirtualStorageLibrary

`VirtualNodeType`
`VirtualPath`
(`AkiraNetwork.VirtualStorageLibrary`)
(`AkiraNetwork.VirtualStorageLibrary.VirtualPath`)
`VirtualNodeTypeFilter`
`VirtualPath.html`)

ArePathsSubdirectories(VirtualPath, VirtualPath)

Determines whether one path is a subdirectory of another path.

Declaration

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

Parameters	(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)		
Type	VIRTUALWILDCARDMATCHER	Name	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.NotifyNodeDelegate)		path1	The first VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) PatternMatch .
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.CycleDetector)		path2	The second VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) VirtualDirectory .

Retuřák - Akira Network Virtual Storage Library

Type	Description
VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary)	true if one path is a subdirectory of the other; otherwise, false.

`(AkiraNetwork.VirtualStorageLibrary.Exceptions)`

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

Combine(params VirtualPath[1])

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

Declaration

VirtualNodeName

```
(AkiraNetwork.VirtualStorageLibrary)
public VirtualPath Combine(params VirtualPath[] paths)
    VirtualNodeNotFoundException
```

(AkiraNetwork VirtualStorage library)

Parameters

AkiraNetwork Vi

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary

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

Returns

(AkiraNetwork.VirtualStorageLibrary.

Type

.html)

Description

IVirtualWildcardMatcher
VirtualPath
(AkiraNetwork.VirtualStorageLibrary.
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)
NotifyNodeDelegate
alPath.html)
(AkiraNetwork.VirtualStorageLibrary.

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

PatternMatch

(AkiraNetwork.VirtualStorageLibrary.

Combine(params string[])

(AkiraNetwork.VirtualStorageLibrary.

Combines the specified paths into a single path.

VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary.

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

VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary.

Type

.html)

Description

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

A combined path string.

CombineFromIndex(VirtualPath, int)

(AkiraNetwork.VirtualStorageLibrary.

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

VirtualNodeListConditions

Declaration
(AkiraNetwork.VirtualStorageLibrary.

VirtualNodeName

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

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary.

Parameters

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary.

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.

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

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

(AkiraNetwork VirtualStorageL **CompareTo(VirtualPath?)**

Compares the instance's path with another VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html).
VirtualGroupCondition<T, TKey>

Declaration

2.html)

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

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

Parameters

Type	Name	Description
<code>virtualItem<T></code>		
<code>(AkiraNetwork.VirtualStorageLibrary.VirtualPath 1.html)</code>	<code>other</code>	The other VirtualPath
<code>(AkiraNetwork.VirtualStorageLibrary.VirtualNode alPath.html)</code>		<code>(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)</code> to compare with.
<code>(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext</code>		

(AkiraNetwork.VirtualStorageLibrary)

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

CompareTo(object?)

(AkiraNetwork.VirtualStorageLibrary)

Complaints at the trustee's path with another

(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualNodeTypeFilter

(AkiraNetwork.VirtualS

public virtual CompareTo(object? obj)

(AkiraNetwork.VirtualStorageLibrary)

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 (https://learn.microsoft.com/dotnet/api/system.int32 1.html)	An integer indicating the relative order of the paths.

IVirtualWildcardMatcher
Exceptions
(AkiraNetwork.VirtualStorageLibrary.VirtualPathException)

Type	Condition
(AkiraNetwork.VirtualStorageLibrary.VirtualPathException)	Thrown if the object is not a VirtualPath
ArgumentOutOfRangeException	(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)
PatternMatchException	.
(AkiraNetwork.VirtualStorageLibrary.VirtualPathException)	.

VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

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

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

Parameters

Type	Name	Description
VirtualPath	<i>other</i>	The VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) object to compare with the instance's path.

Returns

Type	Description
bool	true if the specified VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) is equal to the instance's path; otherwise, false.

VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

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

Declaration
VirtualPath
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

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

Parameters

Type	Name	Description
object (https://learn.microsoft.com/dotnet/api/system.object) 1.html)	obj	The object to compare with the instance's path.

Returns

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

Overrides

VirtualDirectory object.Equals(object) (https://learn.microsoft.com/dotnet/api/system.object.equals(system.object))	(https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualDirectory)
VirtualException	(https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualException)

GetHashCode()

Declaration
(https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualItem)
VirtualItem
public override int GetHashCode() (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualItem.GetHashCode)

VirtualItem<T>

Declaration
(https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualItem)

>Returns

Type	Description
VirtualNode (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualNode) VirtualNodeContext	The hash code for this path.

Overrides

VirtualNodeExtensions object.GetHashCode() (https://learn.microsoft.com/dotnet/api/system.object.gethashcode)	(https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions)
VirtualNodeListConditions	(https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)

GetnodeName()

Declaration
(https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualNodeName)

Returns

VirtualNodeNotFoundException VirtualNodeType VirtualNodeTypeFilter (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualNodeName) VirtualPath (https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualPath)	Retrieves the name of the instance's path.
---	--

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

(AkiraNetwork.VirtualStorageLibrary) **GetParentPath()**

IVirtualWildcardMatcher

Gets the parent path of the instance's path.
(AkiraNetwork.VirtualStorageLibrary)

Declaration

(AkiraNetwork.VirtualStorageLibrary)

PatternMatch

public VirtualPath GetParentPath()
(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector

Returns (AkiraNetwork.VirtualStorageLibrary)

Type	Description
VirtualDirectory (AkiraNetwork.VirtualStorageLibrary)	

VirtualPath

VirtualException
(AkiraNetwork.VirtualStorageLibrary)

VirtualPath
(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary)

VirtualPath
2.html)

VirtualID

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

VirtualItem
(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

public LinkedList<VirtualNodeName> GetPartsLinkedList()

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

Returns VirtualNodeContext

Type	Description
AkiraNetwork.VirtualStorageLibrary	

VirtualNodeExtensions

LinkedList
(AkiraNetwork.VirtualStorageLibrary)
(https://learn.microsoft.com/dotnet/api/system.collections.generic.linkedlist-1)
m.collections.generic.linkedlist-1)

< (AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

VirtualNodeName
(AkiraNetwork.VirtualStorageLibrary)

(AkiraNetwork.VirtualStorageLibrary.VirtualNo

VirtualNodeNotFoundException
deName.html)

> (AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

(AkiraNetwork.VirtualStorageLibrary) **GetPartsList()**

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

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

GetRelativePath(VirtualPath)

VirtualGroupCondition<T, TKey>

Gets the relative path from the specified base path.

2.html
Declaration
VirtualID

(AkiraNetwork.VirtualStorageLibrary)
public VirtualPath GetRelativePath(VirtualPath basePath)

VirtualItem

Parameters

(AkiraNetwork.VirtualStorageLibrary)

Type

1.html

VirtualNode

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

Type

virtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualPath

VirtualnodeName

(AkiraNetwork.VirtualStorageLibrary)

Exceptions

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

Type	Name	Description
VirtualPath	basePath	The base path.

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

Type	Description
VirtualPath	A VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) representing the relative path.
VirtualNodeNotFoundException	
(AkiraNetwork.VirtualStorageLibrary)	
VirtualNodeType	
(AkiraNetwork.VirtualStorageLibrary)	
VirtualNodeTypeFilter	
(AkiraNetwork.VirtualStorageLibrary)	
VirtualPath	
(AkiraNetwork.VirtualStorageLibrary)	

Type	Condition
InvalidOperationException (https://learn.microsoft.com/dotnet/api/system.invalidoperationexception) (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	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. Thrown if the base path is not absolute: This exception occurs when the <code>basePath</code> argument does not start with the root path separator, indicating that it is not an absolute path. Both the instance's path and the base path must be absolute paths to compute a relative path.

IVirtualWildcardMatcher

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

Determines whether this instance's path is a subdirectory of the specified parent path.

Declaration

```
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary.VirtualPath parentPath)
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary.VirtualPath parentPath)
```

Parameters

VirtualException

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

Return

(AkiraNetwork.VirtualStorageLibrary.VirtualItem<T>

Type	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext bool.html) (https://learn.microsoft.com/dotnet/api/system.argumentexception) bool(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext VirtualNodeContext	true if this instance's path is a subdirectory of the parent path; otherwise, false.

Exceptions

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions
VirtualNodeException

Type	Condition
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions ArgumentOutOfRangeException (https://learn.microsoft.com/dotnet/api/system.argumentexception) VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName VirtualNodeNotFoundException (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName VirtualNodeTypeFilter	Thrown if this instance's path or the parent path is empty.

NormalizePath()

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

Type	Condition
(AkiraNetwork.VirtualStorageLibrary.VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath VirtualNodeTypeFilter)	

Declaration

(AkiraNetwork.VirtualStorageLibrary.VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

```
public VirtualPath NormalizePath()
```

Returns

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

IVirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate)

NormalizePath(string)
(AkiraNetwork.VirtualStorageLibrary.PatternMatch)

Normalizes the specified path string.
(AkiraNetwork.VirtualStorageLibrary.VirtualException)

Declaration
VirtualCycleDetector

```
public VirtualDirectory NormalizePath(string path)
```

(AkiraNetwork.VirtualStorageLibrary.VirtualException)

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

Type	Name	Description
VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey>)	path	The path string to normalize.

VirtualID
Returns
(AkiraNetwork.VirtualStorageLibrary.VirtualItem)

Type	Description
VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualItem)	A normalized path string. (AkiraNetwork.VirtualStorageLibrary.VirtualItem)

Exceptions
(AkiraNetwork.VirtualStorageLibrary.InvalidOperationContext)

Type	Condition
InvalidOperationContext (AkiraNetwork.VirtualStorageLibrary.InvalidOperationContext)	Thrown when attempting to navigate above the root directory.

StartsWith(VirtualPath)
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName)

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

Declaration
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions)

```
public bool StartsWith(VirtualPath path)
```

VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter)

Parameters
VirtualPath
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

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

Returns

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Type	Description
bool VirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	true if the instance's path starts with the specified path; otherwise, false.

NotifyNodeDelegate
olean
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

PatternMatch

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

ToString()

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Returns a string that represents the instance's path.

VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualException

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Returns

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Type	Description
VirtualID (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	A string that represents the instance's path.

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

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Overrides

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

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

1.html

VirtualNode

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeContext

Removes the trailing slash from the path.

AkiraNetwork.VirtualStorageLibrary.VirtualPath.html

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeListConditions

public VirtualPath TrimEndSlash()
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualnodeName

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeFilter

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Returns

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

without the trailing slash.

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

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Operators

operator +(VirtualPath, VirtualNodeName)

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

Declaration

```
(AkiraNetwork.VirtualStorageLibrary.  
    1.html)  
public static VirtualPath operator +(VirtualPath path, VirtualNodeName nodeName)
```

(AkiraNetwork.VirtualStorageLibrary.

NotifyNodeDelegate

Parameters

(AkiraNetwork.VirtualStorageLibrary.

Type	Description
PatternMatch (AkiraNetwork.VirtualStorageLibrary. VirtualPath VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary.VirtualPat h.html) VirtualDirectory (AkiraNetwork.VirtualStorageLibrary. VirtualException	<i>path</i> The VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.htm l)
VirtualItem (AkiraNetwork.VirtualStorageLibrary. VirtualNodeDelegate (AkiraNetwork.VirtualStorageLibrary.VirtualNo de.html) VirtualID (AkiraNetwork.VirtualStorageLibrary. VirtualItem	<i>nodeName</i> The VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeNa me.html)

Returns

Type	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary. VirtualPath VirtualPath.html) (AkiraNetwork.VirtualStorageLibrary.Virtu alPath.html) (AkiraNetwork.VirtualStorageLibrary. VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary. VirtualNodeExtensions	A new VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) representing the combined path.

operator +(VirtualPath, VirtualPath)

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

VirtualNodeListConditions

Declaration

```
(AkiraNetwork.VirtualStorageLibrary.  
VirtualNodeName  
public static VirtualPath operator +(VirtualPath path1, VirtualPath path2)  
    VirtualNodeNotFoundException  
    (AkiraNetwork.VirtualStorageLibrary.
```

Parameters

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary.

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.

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.VirtualPath.html) VirtualPath VirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) NotifyNodeDelegate (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) PatternMatch (https://learn.microsoft.com/en-us/dotnet/api/system.string) VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) VirtualDirectory	path	The VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html).
string	str	The string to combine with the path.

Returns

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

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

VirtualID

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

operator +(char, VirtualPath)

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

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

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

Declaration

1.html)

VirtualNode

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

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

VirtualNodeContext

Parameters

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

Type	Name	Description
VirtualNodeExtensions (AkiraNetwork.VirtualStorageLibrary.VirtualPath)	chr	The character to combine with the path.
VirtualNodeListConditions (https://learn.microsoft.com/en-us/dotnet/api/system.chatVirtualNodeName)	path	The VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html).

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

Returns

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

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

二

operator + (string, VirtualPath)

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

DeclarationNetwork.VirtualStorageLibrary

NotifyNodeDelegate

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

Patternlivatem (Alpine Nature Park)

(AkiraNetwork.virtualStorageLibraryParameters) [Root]

Parameters

-(AkiraNetwork Virtual)

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

Virt Returns

(AkiraNetwork.VirtualStorageLibrary)

Type	Description
<code>virtualItem<T></code>	
<code>(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)</code>	A new
<code>(AkiraNetwork.VirtualStorageLibrary.VirtualNode.alPath.html)</code>	<code>VirtualPath</code> (<code>AkiraNetwork.VirtualStorageLibrary.VirtualPath.html</code>) representing the combined path.
<code>(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)</code>	

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

operator(VirtualPath?, VirtualPath?)

(AkiraNetwork.VirtualStorageLibrary)

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

→ (AkiraN)

VirtualNetwork.Virt laration

Virtueller NodeName (AlteoNetworks VirtualStorage Library)

```
(AkkaNetwork.VirtualStorageLibrary  
public static bool operator ==(VirtualPath? left, VirtualPath? right)  
VirtualNodeNotFoundException
```

(AkiraNetwork.VirtualStorageLibrary)

Parameters

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

(AkiraNetwork VirtualStorage) library

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>left</i>	The left VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) .
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>right</i>	The right VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) .

Returns [NotifyNodeDelegate](#)

Type	Description
PatternMatch bool(AkiraNetwork.VirtualStorageLibrary.net/api/system.boolean)	true if the paths are equal; otherwise, false.

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary)

implicit operator string(VirtualPath?)

Implicitly converts a VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) to a string
(AkiraNetwork.VirtualStorageLibrary.net/api/system.string).
(<https://learn.microsoft.com/dotnet/api/system.string>).

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

2.html)

public static implicit operator string(VirtualPath? virtualPath)

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

Type virtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNode

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

Returns [VirtualNodeExtensions](#)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

string (AkiraNetwork.VirtualStorageLibrary)

(<https://learn.microsoft.com/dotnet/api/system.string>) The string representation of the

VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html), or an

empty string if the path is null.
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

implicit operator VirtualPath(string)

(AkiraNetwork.VirtualStorageLibrary)

Implicitly converts a string (<https://learn.microsoft.com/dotnet/api/system.string>) to a VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html).

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

```
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
IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary)	A VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) object representing the given string path.

operator !=(VirtualPath?, VirtualPath?)

Determines whether two VirtualPath ([AkiraNetwork.VirtualStorageLibrary.VirtualPath.html](https://learn.microsoft.com/dotnet/api/AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)) instances are not equal.

Declaration

```
public static bool operator !=(VirtualPath? left, VirtualPath? right)  
2.html)
```

Parameters

Type	Name	Description
VirtualItem (AkiraNetwork.VirtualStorageLibrary)	left	The left VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)
VirtualPath VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary)	right	The right VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

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

Extension Methods

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

▼

(AkiraNetwork.VirtualStorageLibrary
1.html)
IVirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary
PatternMatch
(AkiraNetwork.VirtualStorageLibrary
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary
VirtualException
(AkiraNetwork.VirtualStorageLibrary
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary
2.html)
VirtualID
(AkiraNetwork.VirtualStorageLibrary
VirtualItem
(AkiraNetwork.VirtualStorageLibrary
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
(AkiraNetwork.VirtualStorageLibrary
VirtualPath
(AkiraNetwork.VirtualStorageLibrary

Class VirtualSortCondition<T>

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

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

↳ object (<https://learn.microsoft.com/dotnet/api/system.object>)
 ↳ VirtualWildcardMatcher
 ↳ VirtualSortCondition<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)))
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)))
VirtualCycleDetector
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>)
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 [\(AkiraNetwork.VirtualStorageLibrary\)](#) [\(AkiraNetwork.VirtualStorageLibrary-1.html\)](#) [\(AkiraNetwork.VirtualStorageLibrary\)](#)

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

Syntax

```
(AkiraNetwork.VirtualStorageLibrary)
VirtualItem
public class VirtualSortCondition<T>
(AkiraNetwork.VirtualStorageLibrary)
VirtualItem<T>
```

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

Name	Description
T	The type of the entity to be sorted.

Constructors

VirtualSortCondition(Expression<Func<T, object>>, bool)

Initializes a new instance of the VirtualSortCondition<T> ([\(AkiraNetwork.VirtualStorageLibrary\)](#)) class with the specified sorting property and order ([\(AkiraNetwork.VirtualStorageLibrary\)](#)).

Declaration

```
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeTypeFilter
public VirtualSortCondition(Expression<Func<T, object>> sortBy, bool ascending = true)
(AkiraNetwork.VirtualStorageLibrary)
```

VirtualPath

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

Extension Methods

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

▼

(AkiraNetwork.VirtualStorageLibrary
1.html)
IVirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary
PatternMatch
(AkiraNetwork.VirtualStorageLibrary
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary
VirtualException
(AkiraNetwork.VirtualStorageLibrary
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary
2.html)
VirtualID
(AkiraNetwork.VirtualStorageLibrary
VirtualItem
(AkiraNetwork.VirtualStorageLibrary
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
(AkiraNetwork.VirtualStorageLibrary
VirtualPath
(AkiraNetwork.VirtualStorageLibrary

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)
↳ VirtualStorageExtensions
↳ VirtualStorageMatchers

Inherited Members

NotifyNodeDelegate

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

PatternMatch

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

VirtualCycleDetector

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

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

VirtualDirectory

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)

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.html)

Syntax

VirtualID

(AkiraNetwork.VirtualStorageLibrary)
public static class VirtualStorageExtensions
↳ VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

Methods

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary)

Applies the specified sort conditions to the elements of the source sequence.

(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)
public static IEnumerable<T> ApplySortConditions<T>(this IEnumerable<T> source, List<VirtualSortCondition<T>>? sortConditions = null)
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

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) < IVirtualWildcardMatcher VirtualSortCondition (AkiraNetwork.VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.VirtualSortCondition-1.html)) (AkiraNetwork.VirtualStorageLibrary <T> PatternMatch (AkiraNetwork.VirtualStorageLibrary)	source	The sequence of elements to sort.

Return Value

VirtualCycleDetector

Type	Description
VirtualDirectory (AkiraNetwork.VirtualStorageLibrary)	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) The type of elements in the source sequence. VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary 1.html)

GroupAndSort<T>(IEnumerable<T>, VirtualGroupCondition<T, object>?, List<VirtualSortCondition<T>>?)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

Groups and sorts the elements of the source sequence based on the specified conditions.

(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary)

```
public static IEnumerable<T> GroupAndSort<T>(this IEnumerable<T> source, VirtualGroupCondition<T, object>? groupCondition, List<VirtualSortCondition<T>>? sortConditions = null)
```

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

Parameters

VirtualNodeNotFoundException

Type	Name	Description
IEnumerable (AkiraNetwork.VirtualStorageLibrary (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) <T> VirtualNodeType (AkiraNetwork.VirtualStorageLibrary (https://learn.microsoft.com/dotnet/api/system.collection.s.generic.ienumerable-1) <T> VirtualPath (AkiraNetwork.VirtualStorageLibrary)	source	The sequence of elements to group and sort.

Type	Name	Description
<p>VirtualGroupCondition (AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition- n-2.html)</p> <p><T, object (https://learn.microsoft.com/dotnet/api/system.object) > (AkiraNetwork.VirtualStorageLibrary- 1.html)</p>	<i>groupCondition</i>	The condition that defines how to group the elements. If null, no grouping is applied.
<p>List<IVirtualWildcardMatcher (https://learn.microsoft.com/dotnet/api/system.collection.sgenomic.list-1) NotifyNodeDelegate < (AkiraNetwork.VirtualStorageLibrary- VirtualSortCondition PatternMatcher (AkiraNetwork.VirtualStorageLibrary.VirtualSortCondition- 1.html) VirtualCycleDetector <T>(AkiraNetwork.VirtualStorageLibrary-</p>	<i>sortConditions</i>	A list of conditions that define the sort order. If null or empty, no sorting is applied.

Befüllen der AkiraNetwork VirtualStorage Library

Type	Description
<code>VirtualException (AkiraNetwork.VirtualStorageLibrary.IEnumerable<VirtualGroupCondition<T, TKey>> (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) <T>VirtualID (AkiraNetwork.VirtualStorageLibrary)</code>	An <code>IEnumerable<T></code> (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) containing the grouped and sorted elements.

Type(AkiraNetwork VirtualStorage) iibrar

Name	Description
<i>T</i>	The type of elements in the source sequence.

Class VirtualStorageSettings

Manages settings for the virtual storage. This class implements the singleton pattern and holds default settings and values by type.

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

↳ object (<https://learn.microsoft.com/dotnet/api/system.object>)
 ↳ VirtualWildcardMatcher
 ↳ VirtualStorageSettings
 ↳ [\(AkiraNetwork.VirtualStorageLibrary\)](#)

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

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

Syntax

```
(AkiraNetwork.VirtualStorageLibrary)
VirtualItem
public class VirtualStorageSettings
(AkiraNetwork.VirtualStorageLibrary)
VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary
1.html)
```

Properties

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

VirtualNodeContext

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

```
VirtualnodeName
public char[] InvalidNodeNameCharacters { get; set; }
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeNotFoundException
```

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

Type	Description
VirtualNodeType (AkiraNetwork.VirtualStorageLibrary) char VirtualNodeTypeFilter (https://learn.microsoft.com/dotnet/api/system.char) [] VirtualPath ((AkiraNetwork.VirtualStorageLibrary)	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
Type	AkiraNetwork.VirtualStorageLibrary.VirtualWildcardMatcher
string	(AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate (https://learn.microsoft.com/dotnet/api/system.string) g) (AkiraNetwork.VirtualStorageLibrary.PatternMatch [] (AkiraNetwork.VirtualStorageLibrary.IVirtualStorage)
Description	An array of node names that are not allowed in the virtual storage.

NodeListConditions

(AkiraNetwork.VirtualStorageLibrary)
Gets or sets the conditions for listing nodes.
VirtualException

Declaration (Akira N)

```
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary
public VirtualNodeListConditions NodeListConditions { get; set; }
2.html)
```

Properties of Water

Type	Description
VirtualItem (AkiraNetwork.VirtualStorageLibrary)	
VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions.html)	The conditions used to filter, group, and sort nodes.

PathDot (Akira)

`VirtualNodeContext`
`(AkiraNetworkVirtualStorageLibrary)`
Gets or sets the path representing the current directory. The default value is ".".

VirtualN

```
claration  
    (AkriaNetwork.VirtualStorageLibrary  
     VirtualNodeListConditions  
     p(AkriaNetwork.VirtualStorageLibrary; ) }
```

(AkiraNetw)

Type	Description
AkiraNetwork.VirtualStorageLibrary.VirtualNodeType string (https://learn.microsoft.com/dotnet/api/system.string) (AkiraNetwork.VirtualStorageLibrary)	The representation of the current directory.

PathDotDot

(AkiraNetwork.VirtualStorageLibrary)

Property Value

Type	Description
string (https://learn.microsoft.com/dotnet/api/system.string)	The prefix added to auto-generated directory names.

▼

PrefixItem

Gets or sets the prefix used for item names. The default value is "item". Used for auto-generating node names.
VirtualWildcardMatcher

Declaration

```
NotifyNodeDelegate  
(AkiraNetwork.VirtualStorageLibrary  
public string PrefixItem { get; set; }  
PatternMatch  
(AkiraNetwork.VirtualStorageLibrary)
```

Property Value

Type	Description
VirtualDirectory string (https://learn.microsoft.com/dotnet/api/system.string)	The prefix added to auto-generated item names.

PrefixSymbolicLink

Gets or sets the prefix used for symbolic link names. The default value is "link". Used for auto-generating node names.
VirtualID
VirtualException
(AkiraNetwork.VirtualStorageLibrary
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary)

Declaration

```
VirtualItem  
(AkiraNetwork.VirtualStorageLibrary  
public string> PrefixSymbolicLink { get; set; }  
(AkiraNetwork.VirtualStorageLibrary  
1.html)
```

Property Value

Type	Description
VirtualNodeContext string (https://learn.microsoft.com/dotnet/api/system.string) VirtualNodeExtensions	The prefix added to auto-generated symbolic link names.

Settings

Gets the current instance of the settings.
VirtualNodeName
(AkiraNetwork.VirtualStorageLibrary)

Declaration

```
(AkiraNetwork.VirtualStorageLibrary  
VirtualNodeType  
public static VirtualStorageSettings Settings { get; }  
(AkiraNetwork.VirtualStorageLibrary)
```

VirtualNodeTypeFilter

Property Value

VirtualPath
(AkiraNetwork.VirtualStorageLibrary)

Type	Description
VirtualStorageSettings (AkiraNetwork.VirtualStorageLibrary.VirtualStorageSettings.html) ▼	The current instance of VirtualStorageSettings (AkiraNetwork.VirtualStorageLibrary.VirtualStorageSettings.html) .

(AkiraNetwork.VirtualStorageLibrary
1.html)

WildcardMatcher

(AkiraNetwork.VirtualStorageLibrary
Gets or sets the wildcard matcher.
NotifyNodeDelegate

Declaration
(AkiraNetwork.VirtualStorageLibrary

PatternMatch

```
public IVirtualWildcardMatcher? WildcardMatcher { get; set; }
```

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary

Property Value
VirtualDirectory

Type	Description
(AkiraNetwork.VirtualStorageLibrary VirtualException IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary VirtualGroupCondition, Key ml) (AkiraNetwork.VirtualStorageLibrary 2.html)	The implementation of wildcard matching used in the storage.

VirtualID

(AkiraNetwork.VirtualStorageLibrary

VirtualItem

(AkiraNetwork.VirtualStorageLibrary

Initialized()

(AkiraNetwork.VirtualStorageLibrary
1.html)

Initializes the settings. Existing settings are reset, and default settings are applied.

VirtualNode

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary

```
public static void Initialize()  
VirtualNodeExtensions
```

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeName

VirtualTextFormatter

GenerateSingleTableDebugText<T>(T)

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeNotFoundException
Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilitie

s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary

VirtualPath

(AkiraNetwork.VirtualStorageLibrary

Extension Methods

Class VirtualStorageState

Manages the state of the virtual storage. This class implements the singleton pattern and maintains the current setting of [FilterAndState](#).

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

↳ object (<https://learn.microsoft.com/dotnet/api/system.object>)
 ↳ VirtualWildcardMatcher
 ↳ VirtualStorageState
 ↳ [\(AkiraNetwork.VirtualStorageLibrary\)](#)

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)))
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)))
VirtualCycleDetector
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>)
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 [\(AkiraNetwork.VirtualStorageLibrary\)](#) [\(AkiraNetwork.VirtualStorageLibrary\)](#) [\(AkiraNetwork.VirtualStorageLibrary.html\)](#) [\(AkiraNetwork.VirtualStorageLibrary.html\)](#)

Assembly [VirtualStorageLibrary.dll](#)

Syntax

```
(AkiraNetwork.VirtualStorageLibrary)
VirtualItem
public class VirtualStorageState
(AkiraNetwork.VirtualStorageLibrary)
VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary)
1.html)
```

Properties

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

Gets or sets an array of characters that are invalid in node names.
Declaration
[\(AkiraNetwork.VirtualStorageLibrary\)](#)

```
VirtualnodeName
public char[] InvalidNodeNameCharacters { get; set; }
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeNotFoundException
```

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

Type	Description
char[] (https://learn.microsoft.com/dotnet/api/system.char)	An array of characters that are invalid in node names.
VirtualPath (AkiraNetwork.VirtualStorageLibrary)	

InvalidNodeNames

Gets or sets an array of invalid node names.

Declaration

```
public string[] InvalidNodeNames { get; set; }
```

Property Value
(AkiraNetwork.VirtualStorageLibrary
1.html)

TypeVirtualWildcardMatcher

(AkiraNetwork.VirtualStorageLibrary
string (<https://learn.microsoft.com/dotnet/api/system.string>)[]
NotifyNodeDelegate

Description

An array of invalid node names.

NodeListConditions

Gets or sets the conditions for listing nodes.
(AkiraNetwork.VirtualStorageLibrary
VirtualCycleDetector

Declaration

(AkiraNetwork.VirtualStorageLibrary
VirtualException

```
public VirtualNodeListConditions NodeListConditions { get; set; }
```

(AkiraNetwork.VirtualStorageLibrary
VirtualGroupCondition<T, TKey>

Property Value
(AkiraNetwork.VirtualStorageLibrary
2.html)

TypeVirtualID

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions.html)

Description

The conditions for listing nodes.

PathDot

Gets or sets the path representing the current directory. The default value is "..".

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary
pVirtualNodeExtension { get; set; }

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeListConditions

Property Value
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeName

TypevirtualNodeName

Description

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

The path representing the current directory.

PathDotDot

Gets or sets the path representing the parent directory. The default value is "..".

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeTypeFilter

VirtualPath

Declaration

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeType

```
public string PathDotDot { get; set; }
```

Property Value

Type	Description
string (https://learn.microsoft.com/dotnet/api/system.string) (AkiraNetwork.VirtualStorageLibrary 1.html)	The path representing the parent directory.

PathRoot

Gets or sets the root path. The default value is "/".
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeDelegate.cs)

Declaration

```
public string PathRoot { get; set; }  
(AkiraNetwork.VirtualStorageLibrary  
VirtualNode.cs)
```

Property Value

(AkiraNetwork.VirtualStorageLibrary
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary
2.html)

PathSeparator

Gets or sets the path separator character. The default value is '/'.
(AkiraNetwork.VirtualStorageLibrary
VirtualItem.cs)

Declaration

```
public char PathSeparator { get; set; }  
1.html  
(AkiraNetwork.VirtualStorageLibrary  
VirtualItem.cs)
```

Property Value

Type	Description
char (https://learn.microsoft.com/dotnet/api/system.char) (AkiraNetwork.VirtualStorageLibrary VirtualNodeExtensions.cs)	The path separator character.

PrefixDirectory

Gets or sets the prefix used for directory names. The default value is "dir". Used for auto-generating node names.
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeNotFoundException
VirtualNodeName.cs)

Declaration

```
public string PrefixDirectory { get; set; }  
1.html  
(AkiraNetwork.VirtualStorageLibrary  
VirtualNodeType.cs)
```

Property Value

(AkiraNetwork.VirtualStorageLibrary
VirtualPath
(AkiraNetwork.VirtualStorageLibrary
VirtualPath.cs))

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

```
IVirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary)
public string PrefixItem { get; set; }
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary)
```

Property Value

Type	Description
(AkiraNetwork.VirtualStorageLibrary)	The prefix used for item names.

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary)

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; }
```

Property Value

Type	Description
.html	The prefix used for symbolic link names.

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

State

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

Gets the current instance of the state.

VirtualNodeListConditions

Declaration

```
VirtualNodeName
(AkiraNetwork.VirtualStorageLibrary)
public static VirtualStorageState State { get; }
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)
```

Property Value

Type	Description
(AkiraNetwork.VirtualStorageLibrary)	

VirtualStorageState (AkiraNetwork.VirtualStorageLibrary.VirtualStorageState.html)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

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.VirtualGroupCondition-2.html)	<i>groupCondition</i>	The condition for grouping nodes.
List (https://learn.microsoft.com/dotnet/api/system.collections.generic.list-1) IVirtualWildcardMatcher < (AkiraNetwork.VirtualStorageLibrary.VirtualWildcardMatcher.html) NotifyNodeDelegate < (AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate.html) VirtualSortCondition (AkiraNetwork.VirtualStorageLibrary.VirtualSortCondition-1.html) PatternMatch <VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)>> (AkiraNetwork.VirtualStorageLibrary.VirtualSortCondition-1.html)	<i>sortConditions</i>	The conditions for sorting nodes.

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilsitie
s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition-2.html)
VirtualID
(AkiraNetwork.VirtualStorageLibrary.VirtualID.html)
VirtualItem
(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)
VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary.VirtualItemT.html)
VirtualNode
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html)
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html)
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions.html)
VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary.VirtualnodeName.html)
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html)
VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html)
VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html)
VirtualPath
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

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)

↳ VirtualStorage<T>

↳ VirtualWildcardMatcher

Inherited Members

NotifyNodeDelegate

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

PatternMatch

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

VirtualCycleDetector

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

(AkiraNetwork.VirtualStorageLibrary

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

VirtualDirectory

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)

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

↳ 2.html)

Syntax

VirtualID

(AkiraNetwork.VirtualStorageLibrary

public class VirtualStorage<T>

VirtualItem

(AkiraNetwork.VirtualStorageLibrary

Type Parameters T

(AkiraNetwork.VirtualStorageLibrary

1.html)

T VirtualNode The user-defined type within the virtual storage

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeContext

Constructors

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary

VirtualStorage()

(AkiraNetwork.VirtualStorageLibrary

Initializes a new instance of the VirtualStorage class.

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary

public VirtualStorage()

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary

VirtualPath

(AkiraNetwork.VirtualStorageLibrary

Properties

(AkiraNetwork.VirtualStorageLibrary

CurrentPath

Gets or sets the current virtual path.

Declaration

```
public VirtualPath CurrentPath { get; }
```

Property Value	1.html
----------------	--------

Type: VirtualWildcardMatcher

(AkiraNetwork.VirtualStorageLibrary.VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)
NotifyNodeDelegate

Description

The current virtual path

CycleDetectorForTarget

VirtualCycleDetector

Gets the cycle detector class used for the WalkPathToTarget method.

(AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector)

Declaration

(AkiraNetwork.VirtualStorageLibrary.VirtualException)

```
public VirtualCycleDetector CycleDetectorForTarget { get; }
```

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

Property Value	1.html
----------------	--------

Type: VirtualID

(AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector)

(AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector.html)

Description

An instance of the cycle detector class

CycleDetectorForTree

VirtualNode

Gets the cycle detector class used for the WalkPathTree method.

(AkiraNetwork.VirtualStorageLibrary.VirtualNode)

Declaration

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtension)

```
public VirtualNodeExtension CycleDetectorForTree { get; }
```

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)

Property Value	1.html
----------------	--------

Type: VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException)

(AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector.html)

(AkiraNetwork.VirtualStorageLibrary.VirtualNode)

Description

An instance of the cycle detector class

this[VirtualPath, bool]

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

Gets or sets the virtual node corresponding to the specified virtual path.

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

Declaration

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

Parameters

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	The virtual path
bool IWildcardMatcher (AkiraNetwork.VirtualStorageLibrary. https://learn.microsoft.com/dotnet/api/system.boolean) n (AkiraNetwork.VirtualStorageLibrary.PatternMatch)	followLinks	Flag indicating whether to follow symbolic links

Property Value
(AkiraNetwork.VirtualStorageLibrary)

Type	Description
VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory) (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)	The virtual node corresponding to the specified virtual path

VirtualException
(AkiraNetwork.VirtualStorageLibrary)

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

Gets the link dictionary.

VirtualID
Declaration
(AkiraNetwork.VirtualStorageLibrary)

```
public Dictionary<VirtualPath, HashSet<VirtualPath>> LinkDictionary { get; }
```

VirtualItem<T>

Property Value
(AkiraNetwork.VirtualStorageLibrary)

Type	Description
VirtualNode (AkiraNetwork.VirtualStorageLibrary.Dictionary 2) VirtualNodeContext <VirtualPath>(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html), VirtualNodeExtensions HashSet<(https://learn.microsoft.com/dotnet/api/system.collections.generic.hashset-1)<VirtualPath>(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)>> VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary)	A dictionary representing the link mappings.

VirtualNodeName

Root
(AkiraNetwork.VirtualStorageLibrary)

VirtualNotFoundException

Gets the root directory of the virtual storage.
(AkiraNetwork.VirtualStorageLibrary)

Declaration
VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

```
public VirtualDirectory Root { get; }
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

Property Value
(AkiraNetwork.VirtualStorageLibrary)

Type	Description
VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)	The root directory of the virtual storage

▼

Methods

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.AddDirectory.html)

AddDirectory(VirtualPath, VirtualDirectory, bool)

NotifyNodeDelegate

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.NotifyNodeDelegate.html)

Declaration

PATTERNMatch

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.PATTERNMatch.html)

`public void AddDirectory(VirtualPath directoryPath, VirtualDirectory directory, bool createsSubdirectories)`

up(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.up.html)

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)

Parameters

VirtualException

Type	Name	Description
AkiraNetwork.VirtualStorageLibrary.VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	directoryPath	The path of the directory to add
AkiraNetwork.VirtualStorageLibrary.VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)	directory	The VirtualDirectory to add
bool VirtualNodeContext (https://learn.microsoft.com/dotnet/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html)	createSubdirectories	Indicates whether to create intermediate directories

AddDirectory(VirtualPath, bool)

VirtualNodeListConditions

Declaration

PATTERNMatch

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.PATTERNMatch.html)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

VirtualNotFoundException

(AkiraNetwork.VirtualStorageLibrary.VirtualNotFoundException.html)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html)

Parameters

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>itemPath</i>	The path of the item to add
T	<i>data</i>	The data for the item
bool (https://learn.microsoft.com/dotnet/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>overwrite</i>	Indicates whether to overwrite an existing node

AddLinkToDictionary(VirtualPath, VirtualPath)

NotifyNodeDelegate
Adds a new link to the link dictionary.
(AkiraNetwork.VirtualStorageLibrary)

Declaration
(AkiraNetwork.VirtualStorageLibrary)

```
public void AddLinkToDictionary(VirtualPath targetPath, VirtualPath linkPath)
(AkiraNetwork.VirtualStorageLibrary)
```

VirtualDirectory

Parameters
(AkiraNetwork.VirtualStorageLibrary)

Type	Name	Description
VirtualException (AkiraNetwork.VirtualStorageLibrary)		
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>targetPath</i>	The target path of the link.
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>linkPath</i>	The path of the link.

VirtualID

Exceptions
(AkiraNetwork.VirtualStorageLibrary)

Type	Condition
VirtualItem (AkiraNetwork.VirtualStorageLibrary)	
ArgumentException VirtualItem<T> (https://learn.microsoft.com/dotnet/api/system.argumentexception) (AkiraNetwork.VirtualStorageLibrary)	Thrown if the target path is not an absolute path.

1.html)

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext
Adds a node to the specified directory.

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

```
public void AddNode(VirtualPath nodeDirectoryPath, VirtualNode node, bool overwrite = false)
(AkiraNetwork.VirtualStorageLibrary)
```

VirtualnodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary)	<i>nodeDirectoryPath</i>	The path of the directory to add the node to
VirtualPath (AkiraNetwork.VirtualStorageLibrary)		

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary)		
VirtualPath (AkiraNetwork.VirtualStorageLibrary)		

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>linkDirectoryPath</i>	The path of the directory to add the symbolic link to
VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html) IVirtualWildcardMatcher	<i>link</i>	The VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html) to add
bool (AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate (https://learn.microsoft.com/dotnet/api/system.boolean) PatternMatch (AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector	<i>overwrite</i>	Indicates whether to overwrite an existing node

ChangeDirectory(VirtualPath)

VirtualDirectory
Changes the current working directory.
(AkiraNetwork.VirtualStorageLibrary)

Declaration

```
VirtualException  
(AkiraNetwork.VirtualStorageLibrary)
VirtualGroupCondition<T, TKey>
public void ChangeDirectory(VirtualPath path)
(AkiraNetwork.VirtualStorageLibrary
2.html)
```

Parameters

Type	Name	Description
VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>path</i>	The path of the new working directory

ConvertToAbsolutePath(VirtualPath?, VirtualPath?)

VirtualNode
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeContext
Converts a relative path to an absolute path.
(AkiraNetwork.VirtualStorageLibrary)

Declaration

```
VirtualNodeExtensions  
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeListCondition<T>
public VirtualPath? ConvertToAbsolutePath(VirtualPath? relativePath, VirtualPath? basePath = null)
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeName  
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeNotFoundException  
(AkiraNetwork.VirtualStorageLibrary)
```

Parameters

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>relativePath</i>	The relative path.
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>basePath</i>	The base path. If not specified, CurrentPath is used.

Returns

Type	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	The absolute path represented by VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html).

Exceptions

Type	Condition
ArgumentException (AkiraNetwork.VirtualStorageLibrary.ArgumentException (https://learn.microsoft.com/dotnet/api/system.argumentexception) NotifyNodeDelegate (AkiraNetwork.VirtualStorageLibrary.PatternMatch)	Thrown if relativePath is null or an empty string.

CopyNode(VirtualPath, VirtualPath, bool, bool, List<VirtualNodeContext>?)

VirtualCycleDetector

Copies the node at the specified path.

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary)

VirtualException

```
public void CopyNode(VirtualPath sourcePath, VirtualPath destinationPath, bool overwrite = false, bool recursive = false, bool followLinks = false, List<VirtualNodeContext>? destinationContextList = null)
```

(AkiraNetwork.VirtualStorageLibrary)

2.html)

Parameters

Type	Name	Description
VirtualItem		
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	sourcePath	The source path of the copy.
VirtualItem<T>		
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	destinationPath	The destination path of the copy.
VirtualNode		
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	overwrite	Whether to overwrite existing nodes.
VirtualNodeContext		
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	recursive	Whether to copy recursively.
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	followLinks	Whether to follow symbolic links.
VirtualNodeName		
List<VirtualNodeContext> (AkiraNetwork.VirtualStorageLibrary)	destinationContextList	List of destination contexts.
< VirtualNodeType		
VirtualNodeContext		
(AkiraNetwork.VirtualStorageLibrary)		
> VirtualNodeTypeFilter		
VirtualPath		

Exceptions

(AkiraNetwork.VirtualStorageLibrary)

Type	Condition
VirtualNodeNotFoundException (AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html)	Thrown if the source node is not found.
InvalidOperationException (https://learn.microsoft.com/dotnet/api/system.invalidoperationexception) (AkiraNetwork.VirtualStorageLibrary.InvalidOperationException.html)	Thrown if the source and destination paths are the same or if a recursive copy would result in a circular reference.

DirectoryExists(VirtualPath, bool)

Checks if the specified path.

PatternMatch

Declaration

```
public bool DirectoryExists(VirtualPath path, bool followLinks = false)
```

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)

Parameters

VirtualException

Type	Name	Description
AkiraNetwork.VirtualStorageLibrary.VirtualPath<T, TKey> (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	The directory's path.
bool (https://learn.microsoft.com/dotnet/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary.Boolean.html)	followLinks	Whether to follow symbolic links.

VirtualID

Returns

VirtualItem

Type

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)

Type	Description
bool (https://learn.microsoft.com/dotnet/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary.Boolean.html)	True if the directory exists; otherwise, false.

1.html)

VirtualNode

ExpandPath(VirtualPath, VirtualNodeTypeFilter, bool, bool)

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeContext

Expands a path that contains wildcards.

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html)

Declaration

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html)

```
public VirtualNodeList<Conditions> ExpandPath(VirtualPath path, VirtualNodeTypeFilter filter =
```

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeList.html) followLinks = true, bool resolveLinks = true)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

Parameters

VirtualNodeNotFoundException

Type	Name	Description
AkiraNetwork.VirtualStorageLibrary.VirtualPath<T, TKey> (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	The path.
VirtualNodeTypeFilter	filter	The node type filter.
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html)		
VirtualPath		
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)		

Type	Name	Description
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	<i>followLinks</i>	Whether to follow symbolic links.
bool (https://learn.microsoft.com/dotnet/api/system.boolean) ▼	<i>resolveLinks</i>	Whether to resolve symbolic links.

Return Type: [AkiraNetwork.VirtualStorageLibrary](#)

Type	Description
IVirtualWildcardMatcher 1.html	The expanded paths IEnumerable<T> (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1)

Remarks

`VirtualException`
`followLinks` indicates whether to follow links during the recursive traversal of nodes when the terminal node of the path is a symbolic link.
`VirtualGroupCondition<T, TKey>`

`resolveLinks` indicates whether to resolve links when non-terminal nodes of the path are symbolic links.
[\(AkiraNetwork.VirtualStorageLibrary\)](#)

[2.html](#)

VirtualID
ExpandPathTree(VirtualPath, VirtualNodeTypeFilter, bool, bool)
[\(AkiraNetwork.VirtualStorageLibrary\)](#)

VirtualItem
 Expands the virtual path containing wildcards.
[\(AkiraNetwork.VirtualStorageLibrary\)](#)

Declaration

```
public IEnumerable<VirtualNodeContext> ExpandPathTree(VirtualPath path, VirtualNodeTypeFilter filter, bool followLinks = true, bool resolveLinks = true)
    (AkiraNetwork.VirtualStorageLibrary)
```

VirtualNodeContext

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

Type	Name	Description
virtualNodeExtensions (AkiraNetwork.VirtualStorageLibrary)	<i>path</i>	The virtual path containing wildcards
VirtualPath VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary)	<i>filter</i>	The filter to apply for node types
VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary)	<i>followLinks</i>	A flag indicating whether to follow symbolic links
bool VirtualNodeType (https://learn.microsoft.com/dotnet/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary)	<i>resolveLinks</i>	A flag indicating whether to resolve symbolic links

[VirtualPath](#)

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

Returns

Type	Description
IEnumerable (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) < VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html) > IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary.VirtualWildcardMatcher.html) NotifyNodeDelegate (AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate.html) followLinks (AkiraNetwork.VirtualStorageLibrary.VirtualStorageLibrary.followLinks.html) PatternMatch (AkiraNetwork.VirtualStorageLibrary.VirtualStorageLibrary.PatternMatch.html) virtualPathIsASymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualStorageLibrary.virtualPathIsASymbolicLink.html) resolvesVirtualCycles (AkiraNetwork.VirtualStorageLibrary.VirtualStorageLibrary.resolvesVirtualCycles.html) VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)	An enumerable of VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html) containing information about the expanded nodes

Remarks

followLinks indicates whether to follow links during the recursive traversal process when the terminal node in the virtual path is a symbolic link.
resolvesVirtualCycles indicates whether to resolve links when nodes other than the terminal node in the virtual path are symbolic links.

VirtualCycleDetector

VirtualCycleDetector indicates whether to resolve links when nodes other than the terminal node in the virtual path are symbolic links.

GetDirectory(VirtualPath, bool)

(AkiraNetwork.VirtualStorageLibrary.GetDirectory.html)
Gets the directory at the specified path.

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

Declaration

VirtualDirectory
public VirtualDirectory GetDirectory(VirtualPath path, bool followLinks = false)
(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)

VirtualItem

Parameters

(AkiraNetwork.VirtualStorageLibrary.VirtualStorageLibrary.html)

Type	Name	Description
VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)	path	The path of the directory.
bool (https://learn.microsoft.com/dotnet/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary.VirtualStorageLibrary.boolean.html)	followLinks	Whether to follow symbolic links.

VirtualNodeContext

Returns

(AkiraNetwork.VirtualStorageLibrary.VirtualStorageLibrary.html)

Type

VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html)

Description

VirtualDirectory VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html) VirtualDirectoryName (AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryName.html)	The VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html) at the specified path.
---	---

VirtualNodeNotFoundException

Exceptions

(AkiraNetwork.VirtualStorageLibrary.VirtualStorageLibrary.html)

Type

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html)

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

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

Type	Condition
VirtualNodeType (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html)	Thrown if the node cannot be found.

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualStorageLibrary.VirtualPath.html)

GetItem(VirtualPath, bool)

Gets the item at the specified path.

Declaration

```
public VirtualItem<T> GetItem(VirtualPath path, bool followLinks = false)
```

Parameters
1.html)

Type	Name	Description
VirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary.VirtualPath(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html))	path	The path of the item.
bool(AkiraNetwork.VirtualStorageLibrary.Boolean)	followLinks	Whether to follow symbolic links.

PatternMatch

Returns
AkiraNetwork.VirtualStorageLibrary.

Type	Description
VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary.VirtualItem<T>(AkiraNetwork.VirtualStorageLibrary.VirtualItem<T>.VirtualException))	
VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualItem<T>(AkiraNetwork.VirtualStorageLibrary.VirtualItem<T>.VirtualException))	The VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem<T>.VirtualException) at the specified path.

Exceptions
2.html)

Type	Condition
VirtualID (AkiraNetwork.VirtualStorageLibrary.VirtualItem<T>(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException))	Thrown if the node cannot be found.

GetLinksFromDictionary(VirtualPath)
VirtualNode
Retrieves all link paths associated with the specified target path from the link dictionary.
(AkiraNetwork.VirtualStorageLibrary)

Declaration

```
VirtualNodeContext  
(AkiraNetwork.VirtualStorageLibrary)  
VirtualNodeExtensions  
public HashSet<VirtualPath> GetLinksFromDictionary(VirtualPath targetPath)  
(AkiraNetwork.VirtualStorageLibrary)  
VirtualNodeListConditions
```

Parameters
(AkiraNetwork.VirtualStorageLibrary)

Type	Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualPath(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html))	targetPath	The target path.

Returns
VirtualNodeType

Type	Description
VirtualNodeTypeFilter HashSet<VirtualPath>(AkiraNetwork.VirtualStorageLibrary.VirtualPath(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html))>	A set of link paths.

GetNode(VirtualPath, bool)

Gets the node at the specified path.

Declaration

```
public VirtualNode GetNode(VirtualPath path, bool followLinks = false)
```

Parameters
1.html

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualPath) VirtualWildcardMatcher	<i>path</i>	The node's path.
bool (https://learn.microsoft.com/dotnet/api/system.boolean) NotifyNodeDelegate	<i>followLinks</i>	Whether to follow symbolic links.
PatternMatch		

Returns
AkiraNetwork.VirtualStorageLibrary.VirtualNode

Type	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualNode) VirtualCycleDetector	
(AkiraNetwork.VirtualStorageLibrary.VirtualNode) VirtualDirectory	The VirtualNode
(AkiraNetwork.VirtualStorageLibrary.VirtualNode) VirtualException	(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html) at the specified path.
(AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition<T, TKey>) VirtualGroupCondition<T, TKey>	

Exceptions
2.html

Type	Condition
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException) VirtualNodeNotFoundException	Thrown if the node cannot be found.

GetNodeType(VirtualPath, bool)

VirtualNode
Gets the node type at the specified path.
(AkiraNetwork.VirtualStorageLibrary)

Declaration

```
public VirtualNodeType GetNodeType(VirtualPath path, bool followLinks = false)
```

(AkiraNetwork.VirtualStorageLibrary)

Parameters
1.html

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName) VirtualNodeName	<i>path</i>	The node's path.
bool (https://learn.microsoft.com/dotnet/api/system.boolean) VirtualNodeNotFoundException	<i>followLinks</i>	Whether to follow symbolic links.
VirtualNodeType		

Returns
VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

Type	Description
VirtualNodeType (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html)	The VirtualNodeType (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html) of the node.

(AkiraNetwork.VirtualStorageLibrary)

GetNodes(VirtualNodeTypeFilter, bool, bool)

IVirtualWildcardMatcher

Gets the nodes in the path tree starting from the current path.
(AkiraNetwork.VirtualStorageLibrary)

Declaration

(AkiraNetwork.VirtualStorageLibrary)

PatternMatch

```
public IEnumerable<VirtualNode> GetNodes(VirtualNodeTypeFilter nodeType = VirtualNodeTypeFilter.All, bool recursive = false, bool followLinks = false)
```

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

Parameters

VirtualDirectory

Type	Name	Description
VirtualException		
VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary)	nodeType	The node type filter. (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html)
bool (https://learn.microsoft.com/dotnet/api/system.boolean.2.html)	recursive	Whether to retrieve nodes recursively.
VirtualID		
bool (AkiraNetwork.VirtualStorageLibrary)	followLinks	Whether to follow symbolic links. (AkiraNetwork.VirtualStorageLibrary.VirtualItem)

Return Value

VirtualItem<T>

Type	Description
IEnumerable<VirtualNode> (http://AkiraNetwork.VirtualStorageLibrary/api/system.collection.generic.ienumerable-1)	The nodes in the path tree starting from the current path IEnumerable<T> (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1)

Remarks

VirtualNodeNotFoundException
This method may be integrated, reorganized, or deprecated in the near future.
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

GetNodes(VirtualPath, VirtualNodeTypeFilter, bool, bool)

VirtualNodeTypeFilter

Gets the nodes in the path tree starting from the specified path.
(AkiraNetwork.VirtualStorageLibrary)

Declaration

(AkiraNetwork.VirtualStorageLibrary)

```
public IEnumerable<VirtualNode> GetNodes(VirtualPath basePath, VirtualNodeTypeFilter nodeType = VirtualNodeTypeFilter.All, bool recursive = false, bool followLinks = false)
```

Parameters

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	basePath	The base path.
VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html)	nodeType	The node type filter.
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	recursive	Whether to retrieve nodes recursively.
PatternMatch (AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector)	followLinks	Whether to follow symbolic links.

Returns

VirtualDirectory

Type	Description
VirtualException IEnumerable<VirtualNode> (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1)	The nodes in the path tree starting from the specified path IEnumerable<T> (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1)

Remarks

(AkiraNetwork.VirtualStorageLibrary)

This method may be integrated, reorganized, or deprecated in the near future.

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

GetNodesWithPaths(VirtualNodeTypeFilter, bool, bool)

(AkiraNetwork.VirtualStorageLibrary)

Gets the paths in the path tree starting from the current path.

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

```
public IEnumerable<VirtualPath> GetNodesWithPaths(VirtualNodeTypeFilter nodeType = VirtualNodeTypeFilter.All, bool recursive = false, bool followLinks = false)
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

Parameters

Type	Name	Description
VirtualNodeType VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html)	nodeType	The node type filter.

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

Type	Name	Description
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	<i>recursive</i>	Whether to retrieve paths recursively.
bool (https://learn.microsoft.com/dotnet/api/system.boolean) ▼	<i>followLinks</i>	Whether to follow symbolic links.

Returns [AkiraNetwork.VirtualStorageLibrary](#)

Type	Description
IVirtualWildcardMatcher	
IEnumerable<VirtualPath>	The paths in the path tree starting from the current path
(https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1)	IEnumerator<T> (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1)
< PatternMatch	.
VirtualPath	.
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	.
> (AkiraNetwork.VirtualStorageLibrary	
VirtualDirectory	

Remarks

This method may be integrated, reorganized, or deprecated in the near future.
([AkiraNetwork.VirtualStorageLibrary](#))

[VirtualException](#)

Gets the paths in the path tree starting from the specified path.

[VirtualPath](#)

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

[VirtualItem](#)

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

```
public IEnumerable<VirtualPath> GetNodesWithPaths(VirtualPath basePath, VirtualNodeTypeFilter nodeType = VirtualNodeTypeFilter.All, bool recursive = false, bool followLinks = false)
```

[1.html](#)

Parameters

[Node](#)

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

[VirtualNodeContext](#)

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

[VirtualNodeExtensions](#)

[VirtualNodeTypeFilter](#)

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

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

[VirtualNodeListConditions](#)

[bool](#)

[\(https://learn.microsoft.com/dotnet/api/system.boolean">https://learn.microsoft.com/dotnet/api/system.boolean](#))

[VirtualnodeName](#)

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

[bool](#)

[\(https://learn.microsoft.com/dotnet/api/system.boolean">https://learn.microsoft.com/dotnet/api/system.boolean](#))

[VirtualNodeNotFoundException](#)

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

[VirtualNodeType](#)

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

[VirtualPath](#)

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

Type	Description
IEnumerable (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) < VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) > (AkiraNetwork.VirtualStorageLibrary 1.html)	The paths in the path tree starting from the specified path IEnumerable<T> (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) .

Remarks

(AkiraNetwork.VirtualStorageLibrary
This method may be integrated, reorganized, or deprecated in the near future.
NotifyNodeDelegate

(AkiraNetwork.VirtualStorageLibrary
PatternMatch
(AkiraNetwork.VirtualStorageLibrary

GetSymbolicLink(VirtualPath)

(AkiraNetwork.VirtualStorageLibrary

Gets VirtualSymbolicLink at the specified path.

(AkiraNetwork.VirtualStorageLibrary

Declaration

virtualDirectory

(AkiraNetwork.VirtualStorageLibrary

public VirtualSymbolicLink GetSymbolicLink(VirtualPath path)

(AkiraNetwork.VirtualStorageLibrary

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary

Parameters

Type
2.html)

VirtualID
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

(AkiraNetwork.VirtualStorageLibrary

VirtualItem
Returns

(AkiraNetwork.VirtualStorageLibrary

Type virtualItem<T>

(AkiraNetwork.VirtualStorageLibrary

VirtualSymbolicLink
1.html)

(AkiraNetwork.VirtualStorageLibrary.VirtualSy

mbolicLink.html)

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeExtensions

This method does not have a followLinks parameter because it retrieves the symbolic link itself.

(AkiraNetwork.VirtualStorageLibrary

Exception VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary

Type VirtualnodeName

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html)

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary

ItemExists(VirtualPath, bool)

(AkiraNetwork.VirtualStorageLibrary

Checks if an item exists at the specified path.

VirtualPath

Declaration

(AkiraNetwork.VirtualStorageLibrary

VirtualNodeExists(VirtualPath, bool)

(AkiraNetwork.VirtualStorageLibrary

Checks if a node exists at the specified path.

VirtualPath

Condition

Thrown if the node cannot be found.

```
public bool ItemExists(VirtualPath path, bool followLinks = false)
```

Parameters

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	The item's path.
bool (https://learn.microsoft.com/dotnet/api/system.boolean) 1.html)	followLinks	Whether to follow symbolic links.

IVirtualWildcardMatcher
Returns: (AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary)
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary)

MoveNode(VirtualPath, VirtualPath, bool, bool)

Move the node at the specified path to a new location.
VirtualException

Declaration: (AkiraNetwork.VirtualStorageLibrary)

```
public void MoveNode(VirtualPath sourcePath, VirtualPath destinationPath, bool overwrite = false, bool resolveLinks = true)
```

VirtualID
(AkiraNetwork.VirtualStorageLibrary)

Parameters: VirtualItem

Type	Name	Description
VirtualItem (AkiraNetwork.VirtualStorageLibrary)	sourcePath	The source path of the node.
VirtualPath (AkiraNetwork.VirtualStorageLibrary) VirtualPath.html	destinationPath	The destination path for the node.
bool (AkiraNetwork.VirtualStorageLibrary) VirtualNodeContext	overwrite	Whether to overwrite existing nodes.
bool (AkiraNetwork.VirtualStorageLibrary) VirtualNodeExtensions	resolveLinks	Whether to resolve symbolic links.

(AkiraNetwork.VirtualStorageLibrary)

Remarks

resolves symbolic links when non-terminal nodes (from the top node to the parent of the terminal node) don't contain symbolic links.

(AkiraNetwork.VirtualStorageLibrary)
Exceptions: VirtualNodeType

Type	Condition
VirtualNodeTypeFilter InvalidOperationException (AkiraNetwork.VirtualStorageLibrary) VirtualPath (https://learn.microsoft.com/dotnet/api/system.invalidoperationexception)	Thrown if the source and destination paths are the same, if attempting to move the root directory, or if the destination is a subdirectory of the source.

RemoveLinkFromDictionary(VirtualPath, VirtualPath)

Removes a link from the link dictionary.

Declaration

```
public void RemoveLinkFromDictionary(VirtualPath targetPath, VirtualPath linkPath)
```

Parameters
1.html)

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html))	<i>targetPath</i>	The target path.
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>linkPath</i>	The path of the link.

PatternMatch

(AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector)

RemoveNode(VirtualPath, bool, bool, bool)

VirtualDirectory

Removes the node at the specified path.

(AkiraNetwork.VirtualStorageLibrary.VirtualException)

Declaration

VirtualException

(AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition, VirtualPath)

```
virtual void RemoveNode(VirtualPath nodePath, bool recursive = false, bool followLinks = false, bool resolveLinks = true);
```

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

Parameters
VirtualID
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualPath (VirtualItem<T>))	<i>nodePath</i>	The path of the node to remove.
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	<i>recursive</i>	Whether to remove recursively.
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	<i>followLinks</i>	Whether to follow symbolic links.
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	<i>resolveLinks</i>	Whether to resolve link targets.

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)

If *followLinks* is true and the terminal node in the path is a symbolic link, the path tree after resolving the path will be removed, and the symbolic link will also be removed. If false, only the symbolic link itself is removed.

VirtualNodeName

resolveLinks indicates whether to resolve links when non-terminal nodes (from the top node to the parent of the terminal node) in the path are symbolic links.

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeException)

Exceptions

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.InvalidOperationException)

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

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualPathException)

Condition

Thrown when trying to remove the root node or a non-empty directory.

(AkiraNetwork.VirtualStorageLibrary.VirtualStorageLibrary)

ResolveLinkTarget(VirtualPath)

Resolves the target of the symbolic link at the specified path.

Declaration

```
public VirtualPath ResolveLinkTarget(VirtualPath path)
```

Parameters
1.html

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	The path of the symbolic link.

Returns
PatternMatch

Type	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	The target path.

Exceptions
(AkiraNetwork.VirtualStorageLibrary.VirtualException)

Type	Condition
(AkiraNetwork.VirtualStorageLibrary.VirtualNotFoundException)(AkiraNetwork.VirtualStorageLibrary.VirtualNotFoundException.html)	Thrown if the node cannot be found.

2.html
VirtualID

(AkiraNetwork.VirtualStorageLibrary.VirtualItem)

Sets (AkiraNetwork.VirtualStorageLibrary.VirtualItem) symbolic links in the specified list of link paths.

Type	Condition
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext)	

Parameters
VirtualNodeExtensions

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)	linkPathSet	A set of link paths.
(https://learn.microsoft.com/dotnet/api/system.collections.generic.hashset-1)	nodeType	The target node type.

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter)

SetNode(VirtualPath, VirtualNode)

Sets VirtualPath the specified path.

(AkiraNetwork.VirtualStorageLibrary)

Declaration

```
public void SetNode(VirtualPath destinationPath, VirtualNode node)
```

Parameters

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) VirtualWildcardMatcher	<i>destinationPath</i>	The path where the node is set
VirtualNode NotifyNodeDelegate (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html) PatternMatch (AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector)	<i>node</i>	The VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html) to set

SetModeName(VirtualPath, VirtualNodeName, bool)

VirtualException

VirtualMachineName Changes the name of a node.

[AkiraNetwork.VirtualStorageLibrary](#)

VirtualGroupCondition<I, TKey> **Declaration**

(AkiraN)

```
2.html)
public void SetNodeName(VirtualPath nodePath, VirtualNodeName newName, bool resolveLinks = t
VirtualID
pus)
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

Virtualitem

Parameters

Parameter

Type		Name	Description
VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary)			
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)		nodePath	The path of the node to rename
VirtualNodeName VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) (AkiraNetwork.VirtualStorageLibrary)		newName	The new name
booVirtualNodeExtensions (http://AkiraNetwork.VirtualStorageLibrary/api/system.boolean)		resolveLinks	Indicates whether to resolve symbolic links

VirtualVolumeName **SymbolicLinkExists(VirtualPath)** [AKI] a Network Virtual Storage Library

VirtualNodeNetFoundException

`virtualNodeNotFound`: Checks if a symbolic link exists at the specified path.

(AkiraNetwork.VirtualStorageLibrary

DeclarationNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

```
public boolean symbolicLinkExists(
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

Parameters (AkibaNetwork.VirtualStorageLibrary)

www.mindat.org/minerals

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	The symbolic link's path.

Returns

Type	Description
bool (https://learn.microsoft.com/dotnet/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	True if the symbolic link exists; otherwise, false.

TryGetDirectory(VirtualPath, bool)

NotifyNodeDelegate

Tries to get the directory at the specified path.
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

PatternMatch

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualCycleDetector
public VirtualDirectory? TryGetDirectory(VirtualPath path, bool followLinks = false)
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Parameters

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Type	Name	Description
VirtualException (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)		
Virtu	path	The path of the directory.
bool (https://learn.microsoft.com/dotnet/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	followLinks	Whether to follow symbolic links.

VirtualID

Return
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Type	Description
VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	
VirtualDirectory VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	The found VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html) , or null if not found.
VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	
VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	

TryGetItem(VirtualPath, bool)

VirtualNodeExtensions

Tries to get the item at the specified path.
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeName

public VirtualItem? TryGetItem(VirtualPath path, bool followLinks = false)
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Parameters

VirtualNodeType

Type	Name	Description
VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	The path of the item.
bool (https://learn.microsoft.com/dotnet/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	followLinks	Whether to follow symbolic links.

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Returns

Type	Description
VirtualItem (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) <T>	The found VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html), or null if not found.

(AkiraNetwork.VirtualStorageLibrary-1.html)

TryGetNode(VirtualPath, bool)

(AkiraNetwork.VirtualStorageLibrary-1.html)
Tries to get the node at the specified path.
NotifyNodeDelegate

Declaration

```
public VirtualNode? TryGetNode(VirtualPath path, bool followLinks = false)
```

Parameters

VirtualPath Directory

Type	Name	Description
VirtualException		
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	The node's path.
VirtualGroupCondition<T, TKey> bool (https://learn.microsoft.com/dotnet/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary-2.html)	followLinks	Whether to follow symbolic links.

Returns

VirtualID

Type	Description
VirtualItem VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html) VirtualItem<T> VirtualNode.html (AkiraNetwork.VirtualStorageLibrary-1.html)	The found VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html), or null if not found.

VirtualNode

(AkiraNetwork.VirtualStorageLibrary-1.html)

TryGetSymbolicLink(VirtualPath)

(AkiraNetwork.VirtualStorageLibrary-1.html)
Tries to get the symbolic link at the specified path.
VirtualNodeExtension

Declaration

VirtualNodeListConditions

```
public VirtualSymbolicLink? TryGetSymbolicLink(VirtualPath path)
```

(AkiraNetwork.VirtualStorageLibrary-1.html)

Parameters

VirtualNodeNotFoundException

Type	Name	Description
VirtualNodeType		

VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

path

The path of the symbolic link.

VirtualNodeTypeFilter

Returns

VirtualPath

(AkiraNetwork.VirtualStorageLibrary-1.html)

Type	Description
VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)	The found VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html), or null if not found.

Remarks

This method does not have a followLinks parameter because it retrieves the symbolic link itself.
(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

IVirtualWildcardMatcher

(AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate)

Tries to resolve the target of a symbolic link at the specified path.

PatternMatch

Declaration
(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector

public VirtualPath TryResolveLinkTarget(VirtualPath path)

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary)

VirtualException

Type
(AkiraNetwork.VirtualStorageLibrary)

Type	Name	Description
VirtualGroupCondition<T, TKey> VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	The path of the symbolic link. 2.html)

Returns

VirtualID

Type
(AkiraNetwork.VirtualStorageLibrary)

Type	Description
VirtualItem VirtualPath (AkiraNetwork.VirtualStorageLibrary) (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary) 1.html)	The target path, or null if the node cannot be found.

UpdateAllTargetNodeTypesInDictionary()

(AkiraNetwork.VirtualStorageLibrary)

Updates all target node types in the link dictionary.

VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary)

Declaration
VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary)

public void UpdateAllTargetNodeTypesInDictionary()
VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualnodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

Declaration
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

public void UpdateAllTargetNodeTypesInDictionary(VirtualPath directoryPath, VirtualDirectory newDirectory)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

Parameters

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	directoryPath	The path of the directory to update
VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html) (AkiraNetwork.VirtualStorageLibrary.1.html)	newDirectory	The new data for the directory

UpdateItem(VirtualPath, VirtualItem<T>)

Updates a node.

(AkiraNetwork.VirtualStorageLibrary)

Declaration

PatternMatch

(AkiraNetwork.VirtualStorageLibrary)

virtual void UpdateItem(VirtualPath itemPath, VirtualItem<T> newItem)

(AkiraNetwork.VirtualStorageLibrary)

Parameters

(AkiraNetwork.VirtualStorageLibrary)

Type	Name	Description
VirtualException (AkiraNetwork.VirtualStorageLibrary)		
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary)	itemPath	The path of the item to update

VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) newItem The new data for the item

<T>VirtualID
(AkiraNetwork.VirtualStorageLibrary)

VirtualItem
(AkiraNetwork.VirtualStorageLibrary)

VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary)

UpdateLinkInDictionary(VirtualPath, VirtualPath)

Updates the target path of a specific symbolic link to a new target path.

1.html)

Declaration

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

virtual NodeUpdateLinkInDictionary(VirtualPath linkPath, VirtualPath newTargetPath)

(AkiraNetwork.VirtualStorageLibrary)

Parameters

(AkiraNetwork.VirtualStorageLibrary)

Type	Name	Description
VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary)		
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) VirtualNodeName (AkiraNetwork.VirtualStorageLibrary)	linkPath	The path of the link.

VirtualPath
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) newTargetPath The new target path.

VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)

UpdateLinksToTarget(VirtualPath, VirtualPath)

Updates the target path of links with a specific target path to a new target path.

(AkiraNetwork.VirtualStorageLibrary)

Declaration

VirtualPath
(AkiraNetwork.VirtualStorageLibrary)


```

public VirtualNodeContext WalkPathToTarget(VirtualPath targetPath, NotifyNodeDelegate? notifyNode = null, ActionNodeDelegate? actionNode = null, bool followLinks = true, bool exceptionEnabled = true)

```

Parameters

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)	targetPath	The target virtual path
(AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate)	notifyNode	A delegate to notify information about the node when each node is reached
(AkiraNetwork.VirtualStorageLibrary.ActionNodeDelegate)	actionNode	A delegate to perform actions when each node is reached
bool	followLinks	A flag indicating whether to follow symbolic links
bool	exceptionEnabled	A flag indicating whether to enable exceptions. If true, exceptions are thrown; if false, the Node in VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html) will be returned as null.

Returns

Type	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext)	An instance of VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtension)	(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html) containing information about the target node
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)	
(AkiraNetwork.VirtualStorageLibrary.VirtualnodeName)	
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType)	Traverses the path tree starting from the specified path.

WalkPathTree(VirtualPath, VirtualNodeTypeFilter, bool, bool)

(AkiraNetwork.VirtualStorageLibrary.Traverses the path tree starting from the specified path.)

Declaration
 AkiraNetwork.VirtualStorageLibrary
 VirtualNodeTypeFilter
 AkiraNetwork.VirtualStorageLibrary
 VirtualPath
 AkiraNetwork.VirtualStorageLibrary

```
public IEnumerable<VirtualNodeContext> WalkPathTree(VirtualPath basePath, VirtualNodeTypeFilter filter = VirtualNodeTypeFilter.All, bool recursive = true, bool followLinks = true, bool resolveLinks = true)
```

Parameters

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	basePath	The base virtual path
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	filter	The filter to apply for node types
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	recursive	A flag indicating whether to traverse recursively
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	followLinks	A flag indicating whether to follow symbolic links
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	resolveLinks	A flag indicating whether to resolve symbolic links

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

Returns

Type	Description
VirtualID	An enumerable of VirtualNodeContext containing information about the traversed nodes

VirtualNodeExtensions
followLinks indicates whether to follow links during the recursive traversal process when the terminal node in the virtual path is a symbolic link.

VirtualNodeListConditions
resolveLinks indicates whether to follow links when nodes other than the terminal node in the virtual path are symbolic links.

VirtualNodeName
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName)

VirtualStorage
(AkiraNetwork.VirtualStorageLibrary.VirtualStorage)

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

s_VirtualTextFormatTypeFilter
GenerateLinkTableDebugText<T>(VirtualStorage<T>)

VirtualTextFormatTypeFilter
GenerateLinkTableDebugText_1_AkiraNetwork_VirtualStorageLibrary_VirtualStorage__0_

VirtualTextFormatTypeFilter
GenerateLinkTableDebugText<T>(T)

VirtualTextFormatTypeFilter
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utils

s_VirtualTextFormatTypeFilter
(AkiraNetwork.VirtualStorageLibrary.VirtualStorageLibrary)

Extension Methods

VirtualTextFormatTypeFilter
GenerateLinkTableDebugText<T>(VirtualStorage<T>)

VirtualTextFormatTypeFilter
GenerateLinkTableDebugText_1_AkiraNetwork_VirtualStorageLibrary_VirtualStorage__0_

VirtualTextFormatTypeFilter
GenerateLinkTableDebugText<T>(T)

VirtualTextFormatTypeFilter
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utils

s_VirtualTextFormatTypeFilter
(AkiraNetwork.VirtualStorageLibrary.VirtualStorageLibrary)

```
s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)
VirtualTextFormatter.GenerateTreeDebugText<T>(VirtualStorage<T>, VirtualPath, bool, bool)
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utilitie
s_VirtualTextFormatter_GenerateTreeDebugText_1_AkiraNetwork_VirtualStorageLibrary_VirtualStorage__0_Akira
Network_VirtualStorageLibrary_VirtualPath_System_Boolean_System_Boolean_)
```

▼

```
(AkiraNetwork.VirtualStorageLibrary
1.html)
IVirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary
NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary
PatternMatch
(AkiraNetwork.VirtualStorageLibrary
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary
VirtualException
(AkiraNetwork.VirtualStorageLibrary
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary
2.html)
VirtualID
(AkiraNetwork.VirtualStorageLibrary
VirtualItem
(AkiraNetwork.VirtualStorageLibrary
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
(AkiraNetwork.VirtualStorageLibrary
VirtualPath
(AkiraNetwork.VirtualStorageLibrary
```

Class VirtualSymbolicLink

Represents a virtual symbolic link. A virtual symbolic link provides a virtual reference to other nodes (directories, items, files, etc.) within the virtual storage library. 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.
(AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate

Inheritance

(AkiraNetwork.VirtualStorageLibrary)

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

Implements

VirtualDirectory
IVirtualDeepCloneable (AkiraNetwork.VirtualStorageLibrary.IVirtualDeepCloneable-1.html) <VirtualNode
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)>
VirtualException

Inherited Members

VirtualGroupCondition<T, TKey>
VirtualNode.Name
(AkiraNetwork.VirtualStorageLibrary)
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_Name)
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)
VirtualNode.VID
VirtualNode
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_VID)
VirtualNode.IsReferencedInStorage
(AkiraNetwork.VirtualStorageLibrary)
(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_IsReferen
cedInStorage)
VirtualNodeContext
object.Equals(object) ([https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals\(system-
object\)\)
object.Equals\(object, object\) \(\[https://learn.microsoft.com/dotnet/api/system.object.gethashcode\]\(https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-
equals\(system-object,-system-object\)\)
VirtualNodeListConditions
\(AkiraNetwork.VirtualStorageLibrary\)
object.GetHashCode\(\) \(<a href=\)\)
object.GetType\(\) \(<https://learn.microsoft.com/dotnet/api/system.object.gettype>\)
object.MemberwiseClone\(\) \(<https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone>\)
VirtualNodeNotFoundException
object.ReferenceEquals\(object, object\) \(<https://learn.microsoft.com/dotnet/api/system.object.referenceeequals>\)
\(AkiraNetwork.VirtualStorageLibrary\)](https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-
object))

NameSpace: AkiraNetwork (AkiraNetwork.html).VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

Assembly: AkiraNetwork.dll

Syntax

VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary)
VirtualPath
(AkiraNetwork.VirtualStorageLibrary)

```
public class VirtualSymbolicLink : VirtualNode, IVirtualDeepCloneable<VirtualNode>
```

Constructors

VirtualSymbolicLink()

1.html)

Initializes a new instance of the VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html) class. The node name is automatically generated using the VirtualNodeName.GenerateNodeName method.

Declaration

(AkiraNetwork.VirtualStorageLibrary)

PatternMatch

```
public VirtualSymbolicLink()  
(AkiraNetwork.VirtualStorageLibrary)
```

VirtualCycleDetector

(AkiraNetwork.VirtualStorageLibrary)

VirtualSymbolicLink(VirtualNodeName)

(AkiraNetwork.VirtualStorageLibrary)

Initializes a new instance of the VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html) class with the specified VirtualNodeName.

VirtualGroupCondition<T, TKey>

Declaration

(AkiraNetwork.VirtualStorageLibrary)

2.html)

```
public VirtualSymbolicLink(VirtualNodeName name)  
VirtualItem
```

(AkiraNetwork.VirtualStorageLibrary)

Parameters

(AkiraNetwork.VirtualStorageLibrary)

Type

VirtualItem<T>

Name

Description

(AkiraNetwork.VirtualStorageLibrary)

name

The name of the symbolic link.

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

VirtualSymbolicLink(VirtualNodeName, VirtualPath?)

VirtualNodeExtensions

Initializes a new instance of the VirtualSymbolicLink (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html) class with the specified name and target path.

VirtualNodeListConditions

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

```
(AkiraNetwork.VirtualStorageLibrary)  
public VirtualSymbolicLink(VirtualNodeName name, VirtualPath? targetPath)
```

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

Parameters

(AkiraNetwork.VirtualStorageLibrary)

Type

VirtualNodeTypeFilter

Name

Description

(AkiraNetwork.VirtualStorageLibrary)

name

The name of the symbolic link.

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

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

Declaration

```
public class VirtualSymbolicLink {
    public VirtualSymbolicLink(VirtualNodeName name, VirtualPath? targetPath, DateTime createdDate, DateTime updatedDate)
    : base(name, targetPath, createdDate, updatedDate) {
        // ...
    }
}
```

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink)

VirtualCycleDetector

Parameters

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink)

Type	Name	Description
VirtualDirectory		
(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory)		
VirtualNodeName	<i>name</i>	The name of the symbolic link.
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)		
VirtualGroupCondition<T, TKey>		
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	<i>targetPath</i>	The target path of the symbolic link.
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)		
DateTime	<i>createdDate</i>	The creation date.
VIRTUALID		
(https://learn.microsoft.com/dotnet/api/system.datetime)		
DateTime	<i>updatedDate</i>	The update date.
VIRTUALITEM<T>		
(AkiraNetwork.VirtualStorageLibrary.VirtualItem<T>.html)		
VirtualNode		

Properties

(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext)

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions)

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

VirtualNodeListConditions

Declaration

```
public class VirtualSymbolicLink : VirtualNode {
    public NodeType { get; }
}
```

VirtualNodeNotFoundException

Property Value

VirtualNodeType

Type	Description
VirtualNodeTypeFilter	

VirtualNodeType (AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html)

VirtualPath

Overrides

(AkiraNetwork.VirtualStorageLibrary.VirtualNode)

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
1.html)

IVirtualWildcardMatcher
public VirtualNodeType TargetNodeType { get; set; }

NotifyNodeDelegate

(AkiraNetwork.VirtualStorageLibrary
Property Value)

PatternMatch

Type
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeType.html)

VirtualGroupDetector
(AkiraNetwork.VirtualStorageLibrary.VIRTUALNODETYPE.html)

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary
VirtualException)

TargetPath

Gets or sets the target path of the symbolic link.
VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary
Declaration
2.html)

VirtualPath
public VirtualPath? TargetPath { get; set; }

(AkiraNetwork.VirtualStorageLibrary
VirtualItem)

Property Value
(AkiraNetwork.VirtualStorageLibrary
VirtualItem<T>)

Type
(AkiraNetwork.VirtualStorageLibrary
VirtualPath.html)

VirtualNode

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeContext)

Methods

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary
DeepClone(bool))

Creates a deep clone of the symbolic link.
VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary
Declaration)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary
public override VirtualNode DeepClone(bool recursive = false)
VirtualNodeType)

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeTypeFilter)

(AkiraNetwork.VirtualStorageLibrary
VirtualPath)

(AkiraNetwork.VirtualStorageLibrary
VirtualPathFilter)

Description

Description

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.

1.html)

Overrides
[VirtualWildcardMatcher](#)
[VirtualNode.DeepClone\(bool\)](#)
[\(AkiraNetwork.VirtualStorageLibrary.VirtualNode\)](#)
[\(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_DeepClone_System_Boolean\)](#)
[\(AkiraNetwork.VirtualStorageLibrary.VirtualNode\)](#)

PatternMatch

([AkiraNetwork.VirtualStorageLibrary.VirtualNode](#))
[VirtualCycleDetector](#)

Tostring()
 Returns a string representation of the symbolic link.

VirtualDirectory

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

([AkiraNetwork.VirtualStorageLibrary](#))

VirtualException

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

VirtualGroupCondition<T, TKey>

([AkiraNetwork.VirtualStorageLibrary](#))

Returns

2.html)

Type	Description
virtualID (AkiraNetwork.VirtualStorageLibrary) string (https://learn.microsoft.com/dotnet/api/system.string) VirtualItem	A string representation of the symbolic link.

([AkiraNetwork.VirtualStorageLibrary](#))

Overrides
[VirtualItem<T>](#)

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

1.html)

VirtualNode

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

VirtualNodeContext

Updates the current symbolic link with the data from the specified node.

([AkiraNetwork.VirtualStorageLibrary](#))

Declaration

([AkiraNetwork.VirtualStorageLibrary](#))

[pVirtualNodeListConditionUpdate\(VirtualNode node\)](#)

([AkiraNetwork.VirtualStorageLibrary](#))

VirtualnodeName

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

Type virtualNodeNotFoundException

Type	Name	Description
virtualNodeNotFoundException (AkiraNetwork.VirtualStorageLibrary) VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html) VirtualNodeType	node	The node to use for the update.

([AkiraNetwork.VirtualStorageLibrary](#))

Overrides
[VirtualNodeTypeFilter](#)

[VirtualNode.Update\(VirtualNode\)](#)

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

[AkiraNetwork.VirtualStorageLibrary.VirtualNode](#)

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

implicit operator VirtualSymbolicLink(string)

Implicitly converts the specified node name to a VirtualSymbolicLink
 (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html).
 (AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html).

Declaration

```
(AkiraNetwork.VirtualStorageLibrary)
public static implicit operator VirtualSymbolicLink(string nodeName)
(AkiraNetwork.VirtualStorageLibrary)
```

PatternMatch

Parameters

Type	Name	Description
VirtualCycleDetector		

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary)		

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

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary)		

Returns

Type	Description
VirtualException	

Type	Description
(AkiraNetwork.VirtualStorageLibrary)	

Type	Description
VirtualGroupCondition<T, TKey>	

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

Type	Description
2.html	

Type	Description
VirtualID	

Type	Description
(AkiraNetwork.VirtualStorageLibrary)	

implicit operator VirtualSymbolicLink((VirtualNodeName nodeName, VirtualPath? targetPath))

Type	Description
VirtualItem<T>	

Type	Description
VirtualSymbolicLink	

Type	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)	

Type	Description
1.html	

Declaration

Type	Description
VirtualNode	

Type	Description
(AkiraNetwork.VirtualStorageLibrary)	

Type	Description
VirtualNodeContext	

Type	Description
VirtualSymbolicLink((VirtualNodeName nodeName, VirtualPath?	

Type	Description
targetPath))	

Type	Description
AkiraNetwork.VirtualStorageLibrary	

Parameters

Type	Description
VirtualNodeListConditions	

Type	Description
AkiraNetwork.VirtualStorageLibrary	

Type	Description
VirtualNodeName	

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

Type	Description
(AkiraNetwork.VirtualStorageLibrary)	

Type	Description
nodeName (https://learn.microsoft.com/dotnet/api/system.valuetuple -VirtualNodeNotFoundException)	

Type	Description
akiranetwork.virtualstoragelibrary.virtualnodename,akiranetwork.virtualstoragelibrary.virtualpath-.node name)	

Type	Description
(AkiraNetwork.VirtualStorageLibrary)	

Type	Description
VirtualNodeType	

Type	Description
, VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	

Type	Description
(AkiraNetwork.VirtualStorageLibrary)	

Type	Description
targetPath (https://learn.microsoft.com/dotnet/api/system.valuetuple -VirtualNodeFilter)	

Type	Description
akiranetwork.virtualstoragelibrary.virtualnodename,akiranetwork.virtualstoragelibrary.virtualpath-.targetpath)	

Type	Description
(AkiraNetwork.VirtualStorageLibrary)	

Type	Description
) (AkiraNetwork.VirtualStorageLibrary)	

Type	Name	Description
tuple	tuple	The tuple to convert.

Returns

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

Implements

IVirtualDeepCloneable (AkiraNetwork.VirtualStorageLibrary.IVirtualDeepCloneable-1.html)
IVirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeExtensions_ResolveNodeType_AkiraNetwork_VirtualStorageLibrary_VirtualNode_PatternMatch)
VirtualNodeDelegate
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeExtensions_ResolveNodeType_AkiraNetwork_VirtualStorageLibrary_VirtualNode_)
VirtualTextFormatter.GenerateSingleTableDebugText <T>(T)
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary.Utilities.VirtualTextFormatter.html#AkiraNetwork_VirtualStorageLibrary_Utils_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)
VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeExtensions_GenerateSingleTableDebugText_1__0_)
VirtualException
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeExtensions_GenerateSingleTableDebugText_1__0_)
VirtualGroupCondition <T, TKey>
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeExtensions_GenerateSingleTableDebugText_1__0_)
VirtualID
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeExtensions_GenerateSingleTableDebugText_1__0_)
VirtualItem
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeExtensions_GenerateSingleTableDebugText_1__0_)
VirtualItem <T>
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeExtensions_GenerateSingleTableDebugText_1__0_)
VirtualNode
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeExtensions_GenerateSingleTableDebugText_1__0_)
VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeExtensions_GenerateSingleTableDebugText_1__0_)
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeExtensions_GenerateSingleTableDebugText_1__0_)
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeExtensions_GenerateSingleTableDebugText_1__0_)
VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeExtensions_GenerateSingleTableDebugText_1__0_)
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeExtensions_GenerateSingleTableDebugText_1__0_)
VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeExtensions_GenerateSingleTableDebugText_1__0_)
VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeExtensions_GenerateSingleTableDebugText_1__0_)
VirtualPath
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeExtensions_GenerateSingleTableDebugText_1__0_)

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.

+ AkiraNetwork.VirtualStorage

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

 (AkiraNetwork.VirtualStorageLibrary.WildcardMatchers.PowerShellWildcardMatcher.html)

 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.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](#)).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_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)