

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

(AkiraNetwork.VirtualStorageLibrary)

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.VirtualNodeExtensions.html](#))

([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.VirtualNodeNotFoundException.html](#))

([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.VirtualStorageExtensions.html](#))

([AkiraNetwork.VirtualStorageLibrary](#))

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

VirtualNodeListConditions

([AkiraNetwork.VirtualStorageLibrary](#))

VirtualNodeName

([AkiraNetwork.VirtualStorageLibrary](#))

VirtualStorageSettings

([VirtualStorageSettings](#))

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

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

AkiraNetwork.dll

Syntax

(AkiraNetwork.VirtualStorage)

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

IVirtualDeepCloneable<T>

Parameters

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

Returns

Type	Description
VirtualException	Returns true to continue node traversal, or false to stop node traversal.

Extension Methods

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

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)
```

Creates a deep clone of the object.

```
(AkiraNetwork.VirtualStorageLibrary)
```

Declaration ([GroupCondition<T, TKey>](#))

```
(AkiraNetwork.VirtualStorageLibrary)
```

T DeepClone(bool recursive = false)

VirtualID

```
(AkiraNetwork.VirtualStorageLibrary)
```

Parameters ([VirtualItem](#))

```
(AkiraNetwork.VirtualStorageLibrary)
```

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 ([VirtualStorageLibrary](#))

Type	Description
------	-------------

T	The cloned object.
---	--------------------

```
(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

DeepCloneable<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html

readonly Dictionary<string, string> WildcardDictionary { get; }

IVirtualWildcardMatcher

(AkiraNetwork.VirtualStorageLibrary)

Property Value

NotifyNodeDelegate

AkiraNetwork.VirtualStorageLibrary

PatternMatch

ReadOnlyDictionary

(AkiraNetwork.VirtualStorageLibrary)

(<https://learn.microsoft.com/dotnet/api/system.collections.objectmodel.readonlydictionary-2>)

(AkiraNetwork.VirtualStorageLibrary)

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

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

(AkiraNetwork.VirtualStorageLibrary)

VirtualException

(AkiraNetwork.VirtualStorageLibrary)

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

Gets a collection of available wildcards.

VirtualID

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

IEnumerable<string, Wildcard>

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

Property Value

1.html

Type

VirtualNode

AkiraNetwork.VirtualStorageLibrary

VirtualNodeContext

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

(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

PatternMatcher(string, string)

VirtualNodeType

Methods

Determines whether the specified node name matches the specified pattern.

Declaration

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



Parameters

Library Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary) string (https://learn.microsoft.com/dotnet/api/system.string) ActionNodeDelegate	nodeName	The node name to check.
(AkiraNetwork.VirtualStorageLibrary) string (https://learn.microsoft.com/dotnet/api/system.string) IVirtualDeepCloneable<T>	pattern	The pattern to compare against.

Returns [VirtualWildcardMatcher](#)
[1.html](#)

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

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary)

Extension Methods

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

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)
VirtualNotFoundException
(AkiraNetwork.VirtualStorageLibrary)

Properties

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)
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

VirtualNode

AkiraNetwork.UpdatedDataStorageLibrary

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_UpdatedDate) VirtualStorageLibrary

VirtualNode

AkiraNetwork.Extensions

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_VID)

VirtualNode

AkiraNetwork.BeforeConditionStorage

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_IsReferencedStorage)

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

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

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

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 subdirectories 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

Type (AkiraNetwork.VirtualStorageLibrary)

Description

VirtualNodeNotFoundException

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

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

DirectoryViewCount
(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](#))

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary)

2.html)

public IEnumerable<VirtualNodeName> NodeNames { get; }

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

Type VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

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

1.html)

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

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

NodeType

(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

(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary)

Overrides

VirtualPath

Description

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)
`public IEnumerable<VirtualNode> Nodes { get; }`

Property Value

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

NodesView

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

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

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

Property Value

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

NodesViewCount

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

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

Type	Description
System.Int32	(https://learn.microsoft.com/dotnet/api/system.int32)

SymbolicLinkCount

Gets the number of symbolic links within the directory.

Declaration

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

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

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

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

Declaration

```
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
```

Parameters

Parameters		
Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException)		
(AkiraNetwork.VirtualStorageLibrary.VirtualNode)	node	The node to add.
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType)		
(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 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)	

VirtualDirectoryDelegate

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)

PatternMatch

(AkiraNetwork.VirtualStorageLibrary.VirtualMatch.html)

Exceptions

Type	Condition
VirtualCycleDetector (AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector.html)	
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.VirtualGroupCondition.html)

2.html)

GetEnumerator()

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)

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

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)

Declaration

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)

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

VirtualNode

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

Returns

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html)

Type

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

Description

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html)

An enumerator for filtered nodes.

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

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

GetItem<T>(VirtualNodeName)

(AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)

Gets the item with the specified name.

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html)

Declaration

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.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

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

Type Parameters

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

Exceptions

Type	Condition
VirtualException	
VirtualNotFoundException (AkiraNetwork.VirtualStorageLibrary)	Thrown if the node is not found. (AkiraNetwork.VirtualStorageLibrary)
VirtualGroupCondition<T, TKey> (AkiraNetwork.VirtualStorageLibrary)	
InvalidOperationException (https://learn.microsoft.com/dotnet/api/system.invalidoperationexception)	Thrown if the specified node is not an item. (AkiraNetwork.VirtualStorageLibrary)

GetNodesView()

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

Declaration

```
virtual NodeList<VirtualNode> GetNodesView()
    (AkiraNetwork.VirtualStorageLibrary)
    1.html)
```

Returns

Type	Description
virtual NodeList<VirtualNode>	An enumeration of nodes based on the display conditions. (AkiraNetwork.VirtualStorageLibrary)

GetSymbolicLink(VirtualNodeName)

Return Value

Gets the symbolic link with the specified name.

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.

Declaration

```
VirtualNode  
(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)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_Update_A
(AkiraNetwork.VirtualStorageLibrary.VirtualNode)
VirtualNetwork_VirtualStorageLibrary_VirtualNode_)

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary.VirtualNode)

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)

Type: VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary)

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)

Type: VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

Type: VirtualException

(AkiraNetwork.VirtualStorageLibrary)

Returns:

VirtualGroupCondition<T, TKey>

Type: AkiraNetwork.VirtualStorageLibrary

2.html)

Type: VirtualDirectory

(AkiraNetwork.VirtualStorageLibrary)

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)

(AkiraNetwork.VirtualStorageLibrary)

Type: VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

Type: VirtualList

(AkiraNetwork.VirtualStorageLibrary)

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

1.html)

Type: IEnumerable<T>

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

Type: VirtualNode

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

(AkiraNetwork.VirtualStorageLibrary)

Type: VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

Extension Methods

VirtualTextFormatterExtensions

Type: VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

(AkiraNetwork.VirtualStorageLibrary)

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

s_VirtualTextFormatter_GenerateSingleTableDebugText_1__0_)

(AkiraNetwork.VirtualStorageLibrary)

Type: VirtualNodeExtensions

Type: ResolveNodeType(VirtualNode)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

Extensions.ResolveNodeType_AkiraNetwork_VirtualStorageLibrary_VirtualNode_()

Type: VirtualNodeNotFoundException

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

(AkiraNetwork.VirtualStorageLibrary)

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

s_VirtualTextFormatter_GenerateTableDebugText_1_System_Collections_Generic_IEnumerable_0_)

(AkiraNetwork.VirtualStorageLibrary)

Type: VirtualStorageExtensions

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

(AkiraNetwork.VirtualStorageLibrary.VirtualStorageExtensions.html#AkiraNetwork_VirtualStorageLibrary_VirtualSto

(AkiraNetwork.VirtualStorageLibrary)

Type: 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

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem<T>

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

1.html)

VirtualNode

Parameters

(AkiraNetwork.VirtualStorageLibrary)

Type virtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

string

(AkiraNetwork.VirtualStorageLibrary)

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)

innerException

The exception that is the cause of this exception.

Implements

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

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

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

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; }
```

VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary)

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.

GroupBy

VirtualNode
(AkiraNetwork.VirtualStorageLibrary)

Gets VirtualNode property used for grouping.

VirtualNode
(AkiraNetwork.VirtualStorageLibrary)

Declaration

(AkiraNetwork.VirtualStorageLibrary)

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

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary)

Property Value
(AkiraNetwork.VirtualStorageLibrary)

VirtualPath
(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
1.html)

VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary
1.html)

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)

ID VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary)
Gets the unique identifier.
VirtualPath

Declaration

(AkiraNetwork.VirtualStorageLibrary
1.html)

Properties

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)

ID VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary)
Gets the unique identifier.
VirtualPath

Declaration

(AkiraNetwork.VirtualStorageLibrary
1.html)

```
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)

Class VirtualItem

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

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

([AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html](#))

Inheritance

`IVirtualWildcardMatcher`

↳ `object` ([https://learn.microsoft.com/dotnet/api/system.object](#))

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

↳ `VirtualItem`

([AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html](#))

`PatternMatch`

([AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html](#))

Implements

`IVirtualCycleDetector`

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

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

`VirtualDirectory`

Inherited Members

([AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html](#))

`VirtualException`

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

`VirtualGroupCondition<T, TKey>`

([AkiraNetwork.VirtualStorageLibrary.VirtualNode.html](#)#[AkiraNetwork_VirtualStorageLibrary_VirtualNode_CreatedDate](#) 2.html)

`VirtualID`

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

`VirtualItem`

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

`VirtualNodeType`

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

`VirtualNode`

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

`VirtualStorageLibrary`

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

`VirtualNodeExtensions`

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

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

`VirtualNodeName`

([AkiraNetwork.Object.ObjectStorageLibrary.ObjectStorageLibrary.html](#)#[AkiraNetwork_VirtualStorageLibrary_VirtualNode_EqualsSystemObject](#))

`VirtualNodeNotSystemException`

([AkiraNetwork.Object.ObjectStorageLibrary.ObjectStorageLibrary.html](#)#[AkiraNetwork_VirtualStorageLibrary_VirtualNode_GetHashCode](#))

`VirtualNodeType`

([AkiraNetwork.Object.ObjectStorageLibrary.ObjectStorageLibrary.html](#)#[AkiraNetwork_VirtualStorageLibrary_VirtualNode_getType](#))

`VirtualNodeMemberwiseClone`

([AkiraNetwork.Object.ObjectStorageLibrary.ObjectStorageLibrary.html](#)#[AkiraNetwork_VirtualStorageLibrary_VirtualNode_MemberwiseClone](#))

`VirtualNodeReferenceEquals`

([AkiraNetwork.Object.ObjectStorageLibrary.ObjectStorageLibrary.html](#)#[AkiraNetwork_VirtualStorageLibrary_VirtualNode_ReferenceEquals](#))

`VirtualToString`

([AkiraNetwork.Object.ObjectStorageLibrary.ObjectStorageLibrary.html](#)#[AkiraNetwork_VirtualStorageLibrary_VirtualNode_toString](#))

`VirtualPath`

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

([AkiraNetwork.VirtualStorageLibrary](#))

Assembly: VirtualStorageLibrary.dll

Syntax

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

1

Constructors

(AkiraNetwork.VirtualStorageLibrary
1.html)

VirtualItem(VirtualNodeName)

(AkiraNetwork.VirtualStorageLibrary

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

Nethaji
(Akira N)

(AK) aNetwork.virtualStorageLibrary
declaration

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

Virtual Directories

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

VirtualItem(VirtualNodeName, DateTime)

(AkiraNetwork VirtualStorage Library)

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

Declaration

`VirtualItem<T>`

```
protected void CreateVirtualStorageItem(string nodeName, 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)

(ARRA NETWORK: VirtualStorageList) [1]

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

VirtualNetworkVirtual

Node type filter (Alien Nodes and Virtual GSI) **Lib**

(AkiraNetw

VirtualPath

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

Parameters

Type		Name	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	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.
DateTime VirtualNodeDelegate (http://AkiraNetwork.VirtualStorageLibrary/api/system.datetime)	updatedDate		The last update date of the item.

Methods

VirtualMatch
(AkiraNetwork.VirtualStorageLibrary)

VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary)

VirtualException
(AkiraNetwork.VirtualStorageLibrary)

DeepClone(bool)

VirtualDeepCloneable<T>
(AkiraNetwork.VirtualStorageLibrary)

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

VirtualID
Declaration
(AkiraNetwork.VirtualStorageLibrary)

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

VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary)

Parameters

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

VirtualNodeExtensions

Returns
(AkiraNetwork.VirtualStorageLibrary)

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

Overrides
VirtualNodeType

VirtualNode DeepClone(bool)

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_DeepClone_System_Boolean)

VirtualPath
(AkiraNetwork.VirtualStorageLibrary)

Implements

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

Extension Methods

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

Syntax

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

Type Parameters

Name	Description
T	(AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html) The user-defined type library can be freely specified by the user of this library.

1.html)
IVirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate

(AkiraNetwork.VirtualStorageLibrary.VirtualPathMatch
VirtualPathMatch)

(AkiraNetwork.VirtualStorageLibrary.VirtualPathMatch)

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

VirtualException
Declaration
(AkiraNetwork.VirtualStorageLibrary.VirtualItem)

```
public VirtualItem()  
(AkiraNetwork.VirtualStorageLibrary.VirtualItem-2.html)
```

VirtualID
(AkiraNetwork.VirtualStorageLibrary.VirtualItem)

VirtualItem(VirtualDirectoryName)
VirtualItem

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

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

```
public VirtualItem(VirtualDirectoryName name)  
(AkiraNetwork.VirtualStorageLibrary.VirtualItem-2.html)
```

VirtualNodeContext
Parameters
(AkiraNetwork.VirtualStorageLibrary.VirtualItem)

Type
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary.VirtualItem)

VirtualNodeName
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary.VirtualItem)

VirtualPath
VirtualPath

VirtualNodeNotNotFoundException
Initialization
(AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)

VirtualNodeType
Declaration
(AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)

```
public VirtualItem(VirtualDirectoryName name, T? itemData)  
(AkiraNetwork.VirtualStorageLibrary.VirtualItem-2.html)
```

VirtualPath
Parameters
(AkiraNetwork.VirtualStorageLibrary.VirtualItem)

Name	Description
name	The name of the item.

VirtualItem(VirtualDirectoryName, T?)

VirtualNodeNotFoundException
Initialization
(AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)

VirtualNodeType
Declaration
(AkiraNetwork.VirtualStorageLibrary.VirtualItem-1.html)

```
public VirtualItem(VirtualDirectoryName name, T? itemData)  
(AkiraNetwork.VirtualStorageLibrary.VirtualItem-2.html)
```

VirtualPath
Parameters
(AkiraNetwork.VirtualStorageLibrary.VirtualItem)

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

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

Type

VirtualNodeType

Name

Description

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

name

The name of the item.

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
VirtualNodeNotFoundException	(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions)
VirtualNodeType	(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions)

Overrides

VirtualNodeTypeFilter	(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions)
VirtualNode.NodeType	(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions)
e) VirtualPath	(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions)

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.Boolean)

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

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

Declaration

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

Dispose(bool)
VirtualNode
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
VirtualPath.html)))

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()

(<https://learn.microsoft.com/dotnet/api/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](#))
VirtualDirectory
Returns a string that represents the current object.

VirtualException

Declaration
([AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition](#)<T, TKey>)
public override string ToString()
([AkiraNetwork.VirtualStorageLibrary.VirtualGroupCondition](#)-2.html)

Returns

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

Description

A string that represents the current object.

Overrides

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

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

Update(VirtualNode)

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

Updates the node's data with the specified node's data.

([AkiraNetwork.VirtualStorageLibrary.VirtualNode](#))
Declaration VirtualNodeListConditions

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

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

VirtualNodeNotFoundException

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

Parameters

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

Type	Name	Description
VirtualNodeType		

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

VirtualNodeTypeFilter

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

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

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

Overrides

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

Name

Description

node The node containing the data to update.

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.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_VirtualDirectory_)

Declaration

VirtualException

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_VirtualException_)

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

Parameters

Type	Name	Description
VirtualID (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_VirtualID_)		
VirtualnodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html#AkiraNetwork_VirtualStorageLibrary_VirtualNodeName_VirtualnodeName_)	name	The name of the node.

Returns

VirtualItem<T>

Type	Description
VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_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.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_VirtualNodeType_)

```
public static implicit operator VirtualItem<T>(string name)
  VirtualNodeTypeFilter
  (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_VirtualNodeTypeFilter_)
```

Parameters

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_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)
(AkiraNetwork.VirtualStorageLibrary)
VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary)

```

Parameters

Type	Name	Description
VirtualID (AkiraNetwork.VirtualStorageLibrary)		

Returns

Type	Description
VirtualNodeExtensions (AkiraNetwork.VirtualStorageLibrary)	

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.

Extension Methods

(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.

Class VirtualNode

Represents an abstract class for nodes.

Filter by title

Inheritance

(AkiraNetwork.VirtualStorageLibrary)

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

↳ VirtualNode

↳ VirtualWildcardMatcher

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

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

↳ NotifyNodeDelegate

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

Implements

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

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

↳ VirtualStorageLibrary

Inherited Members

VirtualDirectory

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)))

VirtualException

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)))

VirtualGroupConditionType

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

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

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

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

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

VirtualStorageLibrary

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

VirtualItem<T>

Assembly: VirtualStorageLibrary.dll

↳ VirtualStorageLibrary

Syntax

[VirtualNode.html](#)

VirtualNode

↳ VirtualNode : IVirtualDeepCloneable<VirtualNode>

VirtualNodeContext

↳ VirtualStorageLibrary

VirtualNodeExtensions

↳ VirtualStorageLibrary

VirtualNodeListConditions

↳ VirtualStorageLibrary

VirtualNodeName

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

(AkiraNetwork.VirtualStorageLibrary
VirtualItem
Gets the VID of node
(AkiraNetwork.VirtualStorageLibrary
VirtualItem<T>

Declaration
(AkiraNetwork.VirtualStorageLibrary
1.html)
public VirtualID VID { get; }
VirtualNode
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeContext

Property Value

Type	Description
Virt (AkiraNetwork.VirtualStorageLibrary.VirtualID.html) 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	
VirtualGroup<T, TKey>	
VirtualStorageLibrary	Updates the VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html).
VirtualItem<T>	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>

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

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

VirtualNodeListConditions

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

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

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.

Declaration

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

Property Value

Type	Description
VirtualSymbolicLink (VirtualSymbolicLink)	The resolved symbolic link, or null.

ResolvedPath

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

Declaration

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

Property Value

Type	Description
VirtualPath (VirtualPath)	The resolved path, or null.

TraversalPath

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

Declaration

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

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

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)

VirtualCodeDetector.ToString()

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualDirectory

Returns

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Type

VirtualException

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

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

VirtualGroupCondition<T, TKey>

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Description

A string representing this instance's information.

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) #AkiraNetwork_VirtualStorageLibrary_Utils_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
VirtualNodeType (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.VirtualNodeType.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()
(AkiraNetwork.VirtualStorageLibrary)

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(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)
VirtualNodeListConditions(VirtualNodeTypeFilter filter, VirtualGroupCondition<VirtualNode, 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
VirtualNodeContext VirtualNodeTypeFilter (AkiraNetwork.VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary VirtualNodeExtensions ary.VirtualNodeTypeFilter.html) (AkiraNetwork.VirtualStorageLibrary VirtualNodeListConditions (AkiraNetwork.VirtualStorageLibrary	The filter specifying the types of virtual nodes. The default value is All (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html#AkiraNetwor k_VirtualStorageLibrary_VirtualNodeTypeFilter_All)

VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary

VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary

GroupCondition

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)	

SortConditions

(AkiraNetwork.VirtualStorageLibrary)

PatternMatch

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

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory

public List<VirtualSortCondition<VirtualNode>>? SortConditions { readonly get; set; }

(AkiraNetwork.VirtualStorageLibrary)

VirtualException

Property Value

(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary)

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

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

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

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

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

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

VirtualNodeExtensions

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

VirtualNodeListConditions

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

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

class VirtualNodeName with the specified name.

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

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

VirtualNodeNotFoundException

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

public VirtualNodeName(string name)

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

VirtualNodeTypeFilter

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

VirtualPath

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

Parameters

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

VirtualPath

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

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

Compares this instance with a specified VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html).

VirtualNodeFilter	
(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.int32)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)
```

Parameters

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

Return

Type	Description
VirtualNodeExtensions (AkiraNetwork.VirtualStorageLibrary.int VirtualNodeListConditions (http://learn.microsoft.com/dotnet/api/system.int32)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.argumentexception) 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	other	The VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) to compare with this instance.

Returns

VirtualDirectory

Type

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

Equals(object?)

(AkiraNetwork.VirtualStorageLibrary

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)	obj	The object to compare with this instance. (AkiraNetwork.VirtualStorageLibrary

Returns

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary

Type

Description

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

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary

Overrides

VirtualPath

(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)))

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)

GetHashCode()

Returns a hash code for this instance.

(AkiraNetwork.VirtualStorageLibrary)

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

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

(AkiraNetwork.VirtualStorageLibrary)

Returns

(AkiraNetwork.VirtualStorageLibrary)

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.VirtualDirectoryName.html)	true if the node name is valid; otherwise, false .

VirtualException

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryName.html)

ResetCounter()

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryName.html)

Resets the counter used for node name generation.

Declaration

```
(AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryName.html)
```

```
VirtualItem  
public static void ResetCounter()
```

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryName.html)

ToString()

VirtualNode

Returns the name of the node as a string.
VirtualNodeContext

Declaration

```
(AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryName.html)
```

```
VirtualNodeExtensions  
public static string ToString()
```

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryName.html)

Returns
VirtualnodeName

Type	Description
AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryName.html	The name of the node as a string.

VirtualNodeType

Overrides
(AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryName.html)

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

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryName.html)

Operators

(AkiraNetwork.VirtualStorageLibrary.VirtualDirectoryName.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

VirtualException

Type	Description
VirtualGroupCondition<T, TKey>	

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

[2.html](#))

VirtualID

(AkiraNetwork.VirtualStorageLibrary)

operator !=(VirtualNodeName?, VirtualNodeName?)

(AkiraNetwork.VirtualStorageLibrary)

Determines whether two VirtualNodeName ([AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html](#)) instances
VirtualItem<T>
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 VirtualNodeName (AkiraNetwork.VirtualStorageLibrary) (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) (AkiraNetwork.VirtualStorageLibrary.VirtualNodeNameNotEqualFilter VirtualNodeNotFoundException (AkiraNetwork.VirtualStorageLibrary)	<i>left</i>	The left VirtualNodeName (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html) to compare.
VirtualNodeType (AkiraNetwork.VirtualStorageLibrary) VirtualNodeNameTypeFilter (AkiraNetwork.VirtualStorageLibrary) VirtualPath (AkiraNetwork.VirtualStorageLibrary)	<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 (Network) (<https://learn.microsoft.com/dotnet/api/system.exception.tostring>)

VirtualException

(AkiraNetwork.VirtualStorageLibrary)

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 (VirtualObject) ([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)))

(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary)

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

VirtualNodeExtensions

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

(AkiraNetwork.VirtualStorageLibrary)

Assembly: VirtualStorageLibrary.dll

VirtualNodeListConditions

Syntax

(AkiraNetwork.VirtualStorageLibrary)

 VirtualNodeName

 p(AkiraNetwork.VirtualStorageLibrary) : VirtualException, ISerializable

 VirtualNotFoundException

(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.

 NotInNodeDelegate

(AkiraNetwork.VirtualStorageLibrary)

 Declaration

 PatternMatch

(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary)

 Parameters

(AkiraNetwork.VirtualStorageLibrary)

Type

VirtualException

string (AkiraNetwork.VirtualStorageLibrary)

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)  
    VirtualNodeContext
```

(AkiraNetwork.VirtualStorageLibrary)

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

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)
(AkiraNetwork.VirtualStorageLibrary.dll)

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.
None	(AkiraNetwork.VirtualStorageLibrary) No specific node type is specified.
SymbolicLink	(AkiraNetwork.VirtualStorageLibrary) Filter for symbolic link nodes.
VirtualItem	(AkiraNetwork.VirtualStorageLibrary)

Extension Methods

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

Syntax

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

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

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

Declaration

(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)

Type

(AkiraNetwork.VirtualStorageLibrary)

Description

An integer representing the depth of the path.

int (VirtualNodeListCondition)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

Gets the directory part of the path.

VirtualNodeType

Declaration

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

public VirtualNodeTypeFilter { 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
GetListConditions
(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)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

IsAbsolute

(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)

VirtualNodeType

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
Declaration
(AkiraNetwork.VirtualStorageLibrary)

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

VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary)

Property Value
VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)

Type	Description
VirtualNodeName (AkiraNetwork.VirtualStorageLibrary)	A VirtualNodeName

INodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary)

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

Gets the path separator character.

Declaration

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



Property Value

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

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)
NotifyNodeDelegate

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)
VirtualMatch

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)
VirtualCycleDetector

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

Adds a trailing slash to the path if it doesn't already have one.
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualException
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

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

2.html

Returns

VirtualID
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Type
VirtualItem
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

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

1.html
VirtualNode
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeContext
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

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

Adds a leading slash to the path if it doesn't already have one.
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Declaration
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeName
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Returns
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Type
VirtualStorageLibrary
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeType
VirtualPath
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

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

VirtualPath
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Type	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	A new VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) with a leading slash.

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.VirtualPathCycleDetector)	path2	The second VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) VirtualDirectory
	(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)		.

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)
(AkiraNetwork.VirtualStorageLibrary.

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

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

IVirtualWildcardMatcher
Return(AkiraNetwork.VirtualStorageLibrary)

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

VirtualPathMatch
(AkiraNetwork.VirtualStorageLibrary.VirtualPathMatch)

VirtualPathCycleDetector
(AkiraNetwork.VirtualStorageLibrary)

VirtualDirectory
(AkiraNetwork.VirtualStorageLibrary)

VirtualException
(AkiraNetwork.VirtualStorageLibrary)

CompareTo(VirtualPath?)
(AkiraNetwork.VirtualStorageLibrary)

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

VirtualGroupCondition<T, TKey>
(AkiraNetwork.VirtualStorageLibrary)

Declaration
(AkiraNetwork.VirtualStorageLibrary)

2.html
public int CompareTo(VirtualPath? other)

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem
(AkiraNetwork.VirtualStorageLibrary)

VirtualItemContext
(AkiraNetwork.VirtualStorageLibrary)

VirtualNode
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary)

VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)

CompareTo(object?)
(AkiraNetwork.VirtualStorageLibrary)

Compares the instance's path with another object.

(AkiraNetwork.VirtualStorageLibrary)

Declaration
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary)

public int CompareTo(object? obj)

(AkiraNetwork.VirtualStorageLibrary)

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

VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary)

VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)

CompareTo(object?)
(AkiraNetwork.VirtualStorageLibrary)

Compares the instance's path with another object.

(AkiraNetwork.VirtualStorageLibrary)

Declaration
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary)

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

IVirtualWildcardMatcher
Exceptions
(AkiraNetwork.VirtualStorageLibrary)

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

Equals(VirtualPath?)

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

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

Virtual Parameters

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

Virtual Returns

Type	Description
virtualNodeListConditions	bool (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) is equal to the instance's path; otherwise, false.
VirtualnodeName	true if the specified VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) is equal to the instance's path; otherwise, false.
(https://learn.microsoft.com/dotnet/api/system.boolean)	

VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)
VirtualNodeType
Equals(object?)virtualStorageLibrary

VirtualNodeTypeFilter
Indicates whether this path is equal to the specified object.

Declaration (AkiraNetwork.VirtualStorageLibrary)

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

GetHashCode()

Declaration
(AkiraNetwork.VirtualStorageLibrary)
VirtualItem
public override int GetHashCode() (https://learn.microsoft.com/dotnet/api/system.int32)

Declaration
(AkiraNetwork.VirtualStorageLibrary)
VirtualItem<T>
public override int GetHashCode() (https://learn.microsoft.com/dotnet/api/system.int32)

Returns
1.html)

Type	Description
VirtualNode	

int (https://learn.microsoft.com/dotnet/api/system.int32)	The hash code for this path.
---	------------------------------

VirtualNodeContext	
--------------------	--

(AkiraNetwork.VirtualStorageLibrary)	
--------------------------------------	--

VirtualNodeExtensions	
-----------------------	--

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

(AkiraNetwork.VirtualStorageLibrary)	
--------------------------------------	--

VirtualNodeListConditions	
---------------------------	--

(AkiraNetwork.VirtualStorageLibrary)	
--------------------------------------	--

VirtualNodeName	
-----------------	--

(AkiraNetwork.VirtualStorageLibrary)	
--------------------------------------	--

Retrieves the VirtualStorageLibrary instance's path.	
--	--

VirtualNodeNotFoundException	
------------------------------	--

(AkiraNetwork.VirtualStorageLibrary)	
--------------------------------------	--

VirtualNodeType	
-----------------	--

public VirtualNodeName GetNodeName() (https://learn.microsoft.com/dotnet/api/system.int32)	
--	--

VirtualNodeTypeFilter	
-----------------------	--

(AkiraNetwork.VirtualStorageLibrary)	
--------------------------------------	--

VirtualPath	
-------------	--

(AkiraNetwork.VirtualStorageLibrary)	
--------------------------------------	--

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

GetPartsList()
(AkiraNetwork.VirtualStorageLibrary)

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

Type
1.html

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	basePath	The base path.

VirtualNodeContext

Returns
(AkiraNetwork.VirtualStorageLibrary)

Type
virtualNodeExtensions

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

Exceptions
VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)


```
public VirtualPath NormalizePath()
```

Returns

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

IVirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary)

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

Declaration
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary)

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

VirtualException
Parameters
(AkiraNetwork.VirtualStorageLibrary)

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

VirtualID
Returns
(AkiraNetwork.VirtualStorageLibrary)

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

VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary)

Exceptions
(AkiraNetwork.VirtualStorageLibrary)

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

VirtualNode
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions
(AkiraNetwork.VirtualStorageLibrary)

VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary)

Determines whether the instance's path starts with the specified path.
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary)

Declaration
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary)

Parameters
VirtualPath
(AkiraNetwork.VirtualStorageLibrary)

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.

Declaration

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

TrimEndSlash()

VirtualNodeContext

Removes the trailing slash from the path.

Declaration

VirtualNodeExtensions

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeListConditions

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

VirtualnodeName

Returns

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

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

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeFilter
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

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/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/api/system.collections.generic.list-1) VirtualnodeName	path	The VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html).

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

Returns

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

▼

operator +(string VirtualPath)

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

VirtualWildcardMatcher

(AkiraNetwork.VirtualStorageLibrary)

NotifyNodeDelegate

(AkiraNetwork.VirtualStorageLibrary)

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

PatternMatch

(AkiraNetwork.VirtualStorageLibrary)

Parameters

VirtualCycleDetector

Type	Name	Description
VirtualDirectory (AkiraNetwork.VirtualStorageLibrary)	str	The string to combine with the path.
VirtualPath (AkiraNetwork.VirtualStorageLibrary)	path	The VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Returns

(AkiraNetwork.VirtualStorageLibrary)

Type VirtualItem<T>

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

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeFilter

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

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeName

(AkiraNetwork.VirtualStorageLibrary)

public static bool operator ==(VirtualPath? left, VirtualPath? right)

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary)

VirtualPathFilter

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

VirtualGroupCondition<T, TKey>

Declaration

(AkiraNetwork.VirtualStorageLibrary)

2.html)

public static implicit operator string(VirtualPath? virtualPath)

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

Parameters

virtualItem
(AkiraNetwork.VirtualStorageLibrary)

Type	Name	Description
virtualItem<T> (AkiraNetwork.VirtualStorageLibrary)	<i>virtualPath</i>	The VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) object.

VirtualNodeContext

(AkiraNetwork.VirtualStorageLibrary)

Returns

VirtualNodeExtensions

Type	Description
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)

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

Declaration

(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

(AkiraNetwork.VirtualStorageLibrary)

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 static class VirtualStorageExtensions

VirtualItem

(AkiraNetwork.VirtualStorageLibrary)

VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary)

1.html)

Methods

VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

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

(AkiraNetwork.VirtualStorageLibrary)

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

(VirtualNodeExtensions)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary)

public static IEnumerable<T> ApplySortConditions<T>(this IEnumerable<T> source, List<Virtual

VirtualNodeName> sortConditions = null)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeNotFoundException

(VirtualNodeExtensions)

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) AkiraNetwork.VirtualStorageLibrary generic.list-1.html < IVirtualWildcardMatcher VirtualSortCondition AkiraNetwork.VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.VirtualSortCondition-1.html) NotifyNodeDelegate (AkiraNetwork.VirtualStorageLibrary VirtualSortCondition-1.html) <T>PatternMatch	source	The sequence of elements to sort.
	sortConditions	A list of conditions that define the sort order. If null or empty, no sorting is applied.

ReturnVirtualCycleDetector

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

2.html)

Name	Description
T	(AkiraNetwork.VirtualStorageLibrary) The type of elements in the source sequence.

GroupAndSort<T>(IEnumerable<T>, VirtualGroupCondition<T, object>?,

List<VirtualSortCondition<T>>?

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

(AkiraNetwork.VirtualMachine)

NodeExtensions

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

VirtualNodeName

(AkiraNetwork.VirtualStorageLibraryParameters) and the **Virtual** tab.

Type	Name	Description
AkiraNetwork.VirtualStorageLibrary		

VirtualN

umerable
(AkiraNetwork.VirtualStorageLibrary

(<https://learn.microsoft.com/dotnet/api/system.collection>
VirtualNode typeFilter
s.generic.IEnumerable<T>
<T> VirtualPath
(AkiraNetwork.VirtualStorageLibrary)

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 ~~Filenode~~ parameters.

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

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

Syntax

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

Properties

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

VirtualNodeContext

InvalidNodeNameCharacters

VirtualNodeExtensions

Gets or sets an array of characters that are invalid in node names.

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

VirtualNodeListConditions

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

VirtualnodeName

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

VirtualNodeNotFoundException

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

VirtualNodeType

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

VirtualNodeTypeFilter

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

[] VirtualPath

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

Type	Description
char[]	An array of characters that cannot be used in node names.

InvalidNodeNames

Gets or sets an array of invalid node names.

Declaration

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

Property Value
(AkiraNetwork.VirtualStorageLibrary
1.html)

Type	Description
VirtualWildcardMatcher	An array of node names that are not allowed in the virtual storage.

NodeListConditions

Gets or sets the conditions for listing nodes.

Declaration

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

VirtualID

Property Value
(AkiraNetwork.VirtualStorageLibrary
1.html)

Type	Description
VirtualItem	The conditions used to filter, group, and sort nodes.

PathDot

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

Declaration

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

VirtualNodeName

Property Value
(AkiraNetwork.VirtualStorageLibrary
1.html)

Type	Description
VirtualNodeType	The representation of the current directory.

VirtualNodeTypeFilter

PathDotDot
(AkiraNetwork.VirtualStorageLibrary
1.html)

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
AkiraNetwork.VirtualStorageLibrary 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)
```

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.

Methods

(AkiraNetwork.VirtualStorageLibrary
VirtualItem

(AkiraNetwork.VirtualStorageLibrary
VirtualItem<T>

(AkiraNetwork.VirtualStorageLibrary
1.html)

Initialized()

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

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeContext

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

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeListConditions

(AkiraNetwork.VirtualStorageLibrary
VirtualnodeName

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeNotFoundException
s_VirtualTextFormatter.GenerateSingleTableDebugText_1__0_)

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary
VirtualPath

(AkiraNetwork.VirtualStorageLibrary
VirtualStorageSettings

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.

(AkiraNetwork.VirtualStorageLibrary
VirtualNodeType

VirtualNodeType

PathDotDot
(AkiraNetwork.VirtualStorageLibrary
VirtualNodeTypeFilter

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

(AkiraNetwork.VirtualStorageLibrary
VirtualPath

Declaration
(AkiraNetwork.VirtualStorageLibrary
VirtualPath)

```
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

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

PathSeparator

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

Declaration

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

Property Value

Type	Description
VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary char (https://learn.microsoft.com/dotnet/api/system.char) (AkiraNetwork.VirtualStorageLibrary VirtualNode.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.
VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary
VirtualNode.cs)

Declaration

```
public string PrefixDirectory { get; set; }  
VirtualNodeTypeFilter  
(AkiraNetwork.VirtualStorageLibrary  
VirtualPath  
(AkiraNetwork.VirtualStorageLibrary  
VirtualPath.cs)
```

Property Value

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

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

Assembly AkiraNetwork.VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

Syntax

VirtualID

(AkiraNetwork.VirtualStorageLibrary

public class VirtualStorage<T>

VirtualItem

(AkiraNetwork.VirtualStorageLibrary

Type Parameters T

(AkiraNetwork.VirtualStorageLibrary

Name Description

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.

(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	
Type	VirtualWildcardMatcher	Description
	(AkiraNetwork.VirtualStorageLibrary.VirtualPath)(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	The current virtual path
	NotifyNodeDelegate	

NotifyNodeDelegate
(AkiraNetwork.VirtualStorage
PatternMatch
CycleDetectorForTarget

VirtualCycleDetector
Gets the cycle detector class used for the WalkPathToTarget method.
(AKIRA.NETWORK.VirtualStorage library)

Virtual Directory Declaration

(AkiraNetwork.VirtualStorageLibrary)

```
VirtualException public VirtualCycleDetector CycleDetectorForTarget { get; }  
(AkiraNetwork.VirtualStorageLibrary)
```

VirtualGroupCondition<T, TKey>

Property	Type	Description
<code>VirtualCycleDetector</code>	<code>VirtualNetwork.VirtualStorageLibrary</code> (AkiriNetwork.VirtualStorageLibrary.VirtualCycleDetector.html)	An instance of the cycle detector class

CycleDetectorForTree (AkiraNetwork VirtualStorage) [html]

`Gets VirtualNode detector class used for the WalkPathTree method`

Gets the cycle detector class used for the
(AkiraNetwork.VirtualStorage) library.

Declaration

(AkiraNetwork VirtualStorage) library

```
public void NorthExitCycleDetector_CycleDetectorForTree { get; }
```

(AliNet and Vint) also make them

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeListConditions
Property Value (AkiraNetwork.VirtualStorageLibrary)

Type	Description
<code>virtualNodeName</code>	
<code>(AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector)</code>	An instance of the cycle detector class
<code>VirtualNodeNotFoundException</code>	
<code>(AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector.html)</code>	
<code>(AkiraNetwork.VirtualStorageLibrary)</code>	

VirtualNodeType

VirtualDiskType
(AkiraNetwork VirtualStorageLibrary)

this[VirtualPath, bool]
(AkiraNetwork VirtualStorageLibrary)

s or sets the virtual node corresponding to the virtual path.

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)

VirtualNodeTypeFilter

```
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		
< VirtualNodeTypeFilter		
> (AkiraNetwork.VirtualStorageLibrary)		
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 (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html)	filter	The node type filter.
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)		

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.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)
{
    return VirtualNodeVirtualNodeTypeFilter.All;
}
```

VirtualNodeContext

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

Type	Name	Description
virtualNodeExtensions		
VirtualPath	<i>path</i>	The virtual path containing wildcards
VirtualNodeListConditions		
VirtualNodeTypeFilter	<i>filter</i>	The filter to apply for node types
bool	<i>followLinks</i>	A flag indicating whether to follow symbolic links
bool	<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.
---	---

Exceptions

(AkiraNetwork.VirtualStorageLibrary.VirtualStorageLibrary.html)

Type

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html)

Condition

VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html)

VirtualNodeNotFoundException (AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException.html)	Thrown if the node cannot be found.
--	-------------------------------------

VirtualPath

(AkiraNetwork.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 IVirtualWildcardMatcher (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html) (AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter.html)	nodeType	The node type filter.
bool (https://learn.microsoft.com/dotnet/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector)	recursive	Whether to retrieve nodes recursively.
PatternMatch bool (https://learn.microsoft.com/dotnet/api/system.boolean) (AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector)	followLinks	Whether to follow symbolic links.

Returns

VirtualDirectory

Type	Description
AkiraNetwork.VirtualStorageLibrary.VirtualException IEnumerable<VirtualNode> (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html) (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html) < 2.html> VirtualNode VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)) VirtualItem > (AkiraNetwork.VirtualStorageLibrary.VirtualItem<T>) VirtualItem<T>	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)

VirtualNotFoundException

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](#)

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


```
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) 1.html)	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

Type	Name	Description
VirtualItem (AkiraNetwork.VirtualStorageLibrary)	sourcePath	The source path of the node.
VirtualItem<T> (AkiraNetwork.VirtualStorageLibrary) 1.html)	destinationPath	The destination path for the node.
bool (AkiraNetwork.VirtualStorageLibrary) 1.html)	overwrite	Whether to overwrite existing nodes.
bool (AkiraNetwork.VirtualStorageLibrary) 1.html)	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: (AkiraNetwork.VirtualStorageLibrary)
VirtualNodeTypeFilter
InvalidOperationException (AkiraNetwork.VirtualStorageLibrary) 1.html)

VirtualPath (AkiraNetwork.VirtualStorageLibrary) 1.html)

VirtualPath (AkiraNetwork.VirtualStorageLibrary) 1.html)

Condition

VirtualNodeTypeFilter InvalidOperationException (AkiraNetwork.VirtualStorageLibrary) 1.html)	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)

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,
```

(AkiraNetwork.VirtualStorageLibrary.VirtualID)

2.html)

VirtualID

(AkiraNetwork.VirtualStorageLibrary.VirtualItem)

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)	<i>nodePath</i>	The path of the node to remove.
VirtualItem<T>		
(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)		
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext)		
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	<i>recursive</i>	Whether to remove recursively.
VirtualNode		
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	<i>followLinks</i>	Whether to follow symbolic links.
VirtualNodeExtensions		
bool (https://learn.microsoft.com/dotnet/api/system.boolean)	<i>resolveLinks</i>	Whether to resolve link targets.

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.

VirtualNodeException

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType)

Type	Condition
(AkiraNetwork.VirtualStorageLibrary.InvalidOperationException)	Thrown when trying to remove the root node or a non-empty directory.

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)

SetLinkTargetNodeType(HashSet<VirtualPath>, VirtualNodeType)

VirtualItem

Sets (AkiraNetwork.VirtualStorageLibrary.VirtualNode) symbolic links in the specified list of link paths.

Declaration
(AkiraNetwork.VirtualStorageLibrary)

1.html)

```
public void SetLinkTargetNodeType(HashSet<VirtualPath> linkPathSet, VirtualNodeType nodeTyp  
e)
```

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeContext

Parameters
(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeExtensions

Type	Name	Description
(AkiraNetwork.VirtualStorageLibrary)	linkPathSet	A set of link paths.
(https://learn.microsoft.com/dotnet/api/system.collections.generic.hashset-1)	nodeType	The target node type.

VirtualNodeName

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

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType.html)

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary)

VirtualNodeTypeFilter

SetNode(VirtualPath, VirtualNode)

(AkiraNetwork.VirtualStorageLibrary)

Sets VirtualNode the specified path.

(AkiraNetwork.VirtualStorageLibrary)

Declaration

```
public void SetNode(VirtualPath destinationPath, VirtualNode node)
```

Parameters

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html) WildcardMatcher	destinationPath	The path where the node is set
VirtualNode NotifyNodeDelegate (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html) PatternMatch (AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector)	node	The VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html) to set

SetnodeName(VirtualPath, VirtualNodeName, bool)

Changes the name of a node.

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

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

```
public void SetnodeName(VirtualPath nodePath, VirtualNodeName newName, bool resolveLinks = true)
```

(AkiraNetwork.VirtualStorageLibrary.VirtualItem)

(AkiraNetwork.VirtualStorageLibrary.VirtualItem)

Parameters
(AkiraNetwork.VirtualStorageLibrary.VirtualItem)

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	nodePath	The path of the node to rename
VirtualNodeName VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)	newName	The new name
bool VirtualNodeExtensions (https://realnetworks.github.io/api/system.boolean)	resolveLinks	Indicates whether to resolve symbolic links

SymbolicLinkExists(VirtualPath)

VirtualNodeNotFoundException

Checks if a symbolic link exists at the specified path.

(AkiraNetwork.VirtualStorageLibrary.VirtualPathTypeFilter)

```
public bool SymbolicLinkExists(VirtualPath path)
```

(AkiraNetwork.VirtualStorageLibrary.VirtualPathTypeFilter)

VirtualPath

Parameters
(AkiraNetwork.VirtualStorageLibrary.VirtualPathTypeFilter)

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.

1.html)

IVirtualWildcardMatcher

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

Parameters

VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

Type	Name	Description
VirtualException (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)		
VirtPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	path	The path of the directory.
bool (https://learn.microsoft.com/dotnet/api/system.boolean) 2.html)	followLinks	Whether to follow symbolic links.

VirtualID

Returns

(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

Declaration

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeName

```
public VirtualItem? TryGetItem(VirtualPath path, bool followLinks = false)
```

(AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeNotFoundException

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) 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)		<i>directoryPath</i>	The path of the directory to update
VirtualDirectory (AkiraNetwork.VirtualStorageLibrary.VirtualDirectory.html)		<i>newDirectory</i>	The new data for the directory

UpdateItem(VirtualPath, VirtualItem<T>)

(AkiraNetwork.VirtualStorageLibrary)

Notify Node Delegate

(AkiraNetwork VirtualStorage) library

(AkkaNetwork) Declaration

Patternmatch
(Alin-Networks-VirtualStorageLibrary)

(AkiraNetwork.VirtualMachineManager)

`pvVirtualCycleDetectorItem(VirtualPa`

(AkiraNetwork.Virtua

VirtualDirectory

Parameters (AkiraN)

Type virtualException

UpdateLinkInDictionary(VirtualPath, VirtualPath)

- `VirtualItem<T>` (AlienNet and VirtualStorage libraries)

Updates the

1.html)

Declaration VirtualNode

(AkiraNetwork.VirtualStorageLibrary)

Virtual Node Context

(AkiraNetwork VirtualStorage Library)

(AkiraN
Visitors

VirtualNodeExtensions Parameters

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

UpdateLinksToTarget(VirtualPath, VirtualPath)
[AbstractNetworkStorageManager]

- (AkiraNetwork.VirtualStorageLibrary)
 - VirtualDiskToDiskFilter

Virtual Updates the World

(AkiraNetwork.VirtualStorageLibrary)

DeclarationPath

(AkiraNetwork.VirtualStorageLibrary)

```
public void UpdateLinksToTarget(VirtualPath oldTargetPath, VirtualPath newTargetPath)
```

Parameters

Type	Name	Description
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	oldTargetPath	The old target path.
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	newTargetPath	The new target path.

IVirtualWildcardMatcher
(AkiraNetwork.VirtualStorageLibrary.PatternMatcher)

UpdateSymbolicLink(VirtualPath, VirtualSymbolicLink)

(AkiraNetwork.VirtualStorageLibrary.VirtualCycleDetector)

Updates a symbolic link.

Declaration
VirtualCycleDetector
(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory)

```
public void UpdateSymbolicLink(VirtualPath linkPath, VirtualSymbolicLink newLink)
```

(AkiraNetwork.VirtualStorageLibrary.VirtualException)

Parameters

Type	Name	Description
VirtualGroupCondition<T, TKey>		
VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)	linkPath	The path of the symbolic link to update

VirtualID
VirtualSymbolicLink
(AkiraNetwork.VirtualStorageLibrary.VirtualSymbolicLink.html)

VirtualItem
(AkiraNetwork.VirtualStorageLibrary.VirtualItem)

(AkiraNetwork.VirtualStorageLibrary.VirtualList)

VirtualItem<T>
(AkiraNetwork.VirtualStorageLibrary.VirtualList)

UpdateTargetNodeTypesInDictionary(VirtualPath)

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext)

Declaration
VirtualNodeExtensions
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeExtensions)

```
public void UpdateTargetNodeTypesInDictionary(VirtualPath targetPath)
```

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeListConditions)

Parameters
VirtualnodeName
(AkiraNetwork.VirtualStorageLibrary.VirtualnodeName)

VirtualPath (AkiraNetwork.VirtualStorageLibrary.VirtualPath.html)

VirtualNodeNotFoundException
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeNotFoundException)

VirtualNodeType
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeType)

VirtualNodeTypeFilter
(AkiraNetwork.VirtualStorageLibrary.VirtualNodeTypeFilter)

WalkPathToTarget(VirtualPath, NotifyNodeDelegate?, ActionNodeDelegate?, bool, bool)

Traverses the path to the target node specified by the virtual path.

VirtualPath
(AkiraNetwork.VirtualStorageLibrary.VirtualPath)

NotifyNodeDelegate
(AkiraNetwork.VirtualStorageLibrary.NotifyNodeDelegate)

ActionNodeDelegate
(AkiraNetwork.VirtualStorageLibrary.ActionNodeDelegate)

bool
(AkiraNetwork.VirtualStorageLibrary.Bool)

bool
(AkiraNetwork.VirtualStorageLibrary.Bool)

Declaratiion
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.VirtualNodeTypeFilter.NotifyNodeDelegate.html)			
bool(AkiraNetwork.VirtualStorageLibrary.VirtualDirectory)(https://learn.microsoft.com/dotnet/api/system.boolean)		recursive	A flag indicating whether to traverse recursively
bool(AkiraNetwork.VirtualStorageLibrary.VirtualException)(https://learn.microsoft.com/dotnet/api/system.boolean)		followLinks	A flag indicating whether to follow symbolic links
bool(AkiraNetwork.VirtualStorageLibrary.VirtualException)(https://learn.microsoft.com/dotnet/api/system.boolean)		resolveLinks	A flag indicating whether to resolve symbolic links

Return(Ak)

Returns	Description
<pre>2.html) Type VirtualID AkiraNetwork.VirtualStorageLibrary.IEnumerable<VirtualItem> (https://learn.microsoft.com/dotnet/api/system.collections.generic IEnumerable) (AkiraNetwork.VirtualStorageLibrary.IEnumerable<VirtualItem>) < T> AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext (AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext) htmlVirtualNode > (AkiraNetwork.VirtualStorageLibrary.</pre>	<p>An enumerable of <code>VirtualNodeContext</code> (AkiraNetwork.VirtualStorageLibrary.VirtualNodeContext.html) containing information about the traversed nodes</p>

Revised (Akira)

Remarks VirtualNodeExtensions followLinks indicates whether to follow links during the recursive traversal process when the terminal node in the (AkiraNetwork.VirtualStorageLibrary) virtual path is a symbolic link. VirtualNodeGetConditions

Virtual Node Conditions
resolves links when nodes other than the terminal node in the virtual path are symbols.

Extension Methods

(AKL) a NETWORK.VIRTUALSTORAGELIBRARY

Virtually TexaFondatyper GenerateLinkTableI

(Akira Akitan de kōtōku wa isto o sōtōri ga nai hōdai)

Virtualized Nested Type Filter

View (AttnFlatworld) VirtualStorageUtil

Virtuální kalkulačka normativního grafu báze signifikancií

(AkiraVirtualDiskVirtualStorageLibrary.Util

(AkiraNetwork.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.html)
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.html)

NotifyNodeDelegate

Inheritance

(AkiraNetwork.VirtualStorageLibrary.html)

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

↳ VirtualNode (AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)

↳ VirtualCycleDetector

↳ VirtualSymbolicLink

(AkiraNetwork.VirtualStorageLibrary.html)

Implements

VirtualDirectory

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

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html)>

Inherited Members

VirtualGroupCondition<T, TKey>

VirtualNode.Name

(AkiraNetwork.VirtualStorageLibrary.html)

(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.html)

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_Updated

Date)

(AkiraNetwork.VirtualStorageLibrary.html)

VirtualNode.VID

VirtualID

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_VID)

VirtualNode.IsReferencedInStorage

(AkiraNetwork.VirtualStorageLibrary.html)

(AkiraNetwork.VirtualStorageLibrary.VirtualNode.html#AkiraNetwork_VirtualStorageLibrary_VirtualNode_IsReferen

cedinStorage)

(AkiraNetwork.VirtualStorageLibrary.html)

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.html)

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

(AkiraNetwork.VirtualStorageLibrary.html)

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)

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

VirtualNodeNotFoundException

(AkiraNetwork.VirtualStorageLibrary.html)

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

(AkiraNetwork.VirtualStorageLibrary.html)

NameSpace: AkiraNetwork (AkiraNetwork.html).VirtualStorageLibrary (AkiraNetwork.VirtualStorageLibrary.html)

Assembly: AkiraNetwork.VirtualStorageLibrary

VirtualNodeTypeFilter

(AkiraNetwork.VirtualStorageLibrary.html)

VirtualPath

(AkiraNetwork.VirtualStorageLibrary.html)

```
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

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

The name of the symbolic link.

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

(AkiraNetwork.VirtualStorageLibrary.VirtualNodeName.html)

The name of the symbolic link.

(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) {
        // ...
    }
}
```

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 (AkiraNetwork.VirtualStorageLibrary.VirtualItem.html)		
VirtualItem<T>		
(AkiraNetwork.VirtualStorageLibrary.VirtualItem.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; }
}
```

VirtualNodeType

(AkiraNetwork.VirtualStorageLibrary.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

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-.nodeidname)	

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

 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_)

▼

+ **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>)

(AkiraNetwork.VirtualStorage)

Implements

AkiraNetwork.VirtualStorage

IVirtualWildcardMatcher ([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)))

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 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_)

▼

- + **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)