Namespace AkiraNetwork.VirtualStorage Library

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The virtual item.

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Delegate ActionNodeDelegate

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

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

Parameters

`parentDirectory` VirtualDirectory

`nodeName` VirtualNodeName

`nodePath` VirtualPath

Returns

bool

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Interface IVirtualDeepCloneable<T>

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public interface IVirtualDeepCloneable<T>
```

Type Parameters

T

Extension Methods
VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Methods

DeepClone(bool)

```
T DeepClone(bool recursive = false)
```

Parameters

recursive bool

Returns

T

Interface IVirtualWildcardMatcher

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public interface IVirtualWildcardMatcher
```

Extension Methods
VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Properties

Count

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

Property Value

int

Patterns

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

Property Value

IEnumerable<string>

WildcardDictionary

```
ReadOnlyDictionary<string, string> WildcardDictionary { get; }
```

Property Value

ReadOnlyDictionary<string, string>

Wildcards

```
IEnumerable<string> Wildcards { get; }
```

Property Value

IEnumerable<string>

Methods

PatternMatcher(string, string)

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

Parameters

`nodeName` string

`pattern` string

Returns

bool

Delegate NotifyNodeDelegate

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public delegate void NotifyNodeDelegate(VirtualPath path, VirtualNode? node)
```

Parameters

`path` VirtualPath

`node` VirtualNode

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Delegate PatternMatch

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public delegate bool PatternMatch(string nodeName, string pattern)
```

Parameters

`nodeName` string

`pattern` string

Returns

bool

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Class VirtualCycleDetector

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public class VirtualCycleDetector
```

Inheritance

object ← VirtualCycleDetector

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Constructors

VirtualCycleDetector()

```
public VirtualCycleDetector()
```

Properties

Count

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

Property Value

int

CycleDictionary

```
public Dictionary<VirtualID, VirtualSymbolicLink> CycleDictionary { get; }
```

Property Value

Dictionary<VirtualID, VirtualSymbolicLink>

Methods

Clear()

```
public void Clear()
```

IsNodeInCycle(VirtualSymbolicLink)

```
public bool IsNodeInCycle(VirtualSymbolicLink link)
```

Parameters

`link` VirtualSymbolicLink

Returns

bool

Class VirtualDirectory

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public class VirtualDirectory : VirtualNode, IVirtualDeepCloneable<VirtualNode>,
IEnumerable<VirtualNode>, IEnumerable
```

Inheritance

object ← VirtualNode ← VirtualDirectory

Implements

IVirtualDeepCloneable<VirtualNode>, IEnumerable<VirtualNode>, IEnumerable

Inherited Members

VirtualNode.Name , VirtualNode.CreatedDate , VirtualNode.UpdatedDate , VirtualNode.VID , VirtualNode.IsReferencedInStorage , object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object)

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T) , VirtualNodeExtensions.ResolveNodeType(VirtualNode) , VirtualTextFormatter.GenerateTableDebugText<T>(IEnumerable<T>) , VirtualStorageExtensions.ApplySortConditions<T>(IEnumerable<T>, List<VirtualSortCondition<T>>?) , VirtualStorageExtensions.GroupAndSort<T>(IEnumerable<T>, VirtualGroupCondition<T, object>?, List<VirtualSortCondition<T>>?)

Constructors

VirtualDirectory()

```
public VirtualDirectory()
```

VirtualDirectory(VirtualNodeName)

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

Parameters

`name` VirtualNodeName

VirtualDirectory(VirtualNodeName, DateTime, DateTime)

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

Parameters

`name` VirtualNodeName

`createdDate` DateTime

`updatedDate` DateTime

Properties

Count

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

Property Value

int

DirectoryCount

```
public int DirectoryCount { get; }
```

Property Value

int

DirectoryViewCount

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

Property Value

int

this[VirtualNodeName]

```
public VirtualNode this[VirtualNodeName name] { get; set; }
```

Parameters

`name` VirtualNodeName

Property Value

VirtualNode

ItemCount

```
public int ItemCount { get; }
```

Property Value

int

ItemViewCount

```
public int ItemViewCount { get; }
```

Property Value

int

NodeNames

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

Property Value

IEnumerable <VirtualNodeName>

NodeType

Gets the node type of node.

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

Property Value

VirtualNodeType

Nodes

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

Property Value

IEnumerable <VirtualNode>

NodesView

```
public IEnumerable<VirtualNode> NodesView { get; }
```

Property Value

IEnumerable<VirtualNode>

NodesViewCount

```
public int NodesViewCount { get; }
```

Property Value

int

SymbolicLinkCount

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

Property Value

int

SymbolicLinkViewCount

```
public int SymbolicLinkViewCount { get; }
```

Property Value

int

Methods

Add(VirtualNode, bool)

```
public VirtualNode Add(VirtualNode node, bool allowOverwrite = false)
```

Parameters

`node` VirtualNode

`allowOverwrite` bool

Returns

VirtualNode

AddDirectory(VirtualNodeName, bool)

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

Parameters

`name` VirtualNodeName

`allowOverwrite` bool

Returns

VirtualDirectory

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

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

Parameters

`name` VirtualNodeName

`itemData` T

`allowOverwrite` bool

Returns

VirtualItem<T>

Type Parameters

T

AddSymbolicLink(VirtualNodeName, VirtualPath, bool)

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

Parameters

name VirtualNodeName

targetPath VirtualPath

allowOverwrite bool

Returns

VirtualSymbolicLink

DeepClone(bool)

Creates a deep clone 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.

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

Parameters

recursive bool

When true, all child nodes are also cloned, creating a deep copy of the entire tree. 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.

Returns

VirtualNode

Cloned VirtualNode instance

DirectoryExists(VirtualNodeName)

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

Parameters

`name` VirtualNodeName

Returns

bool

Get(VirtualNodeName, bool)

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

Parameters

`name` VirtualNodeName

`exceptionEnabled` bool

Returns

VirtualNode

GetDirectory(VirtualNodeName)

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

Parameters

`name` VirtualNodeName

Returns

VirtualDirectory

GetEnumerator()

Returns an enumerator that iterates through the collection.

```
public IEnumerator<VirtualNode> GetEnumerator()
```

Returns

IEnumerator<VirtualNode>

An enumerator that can be used to iterate through the collection.

GetItem<T>(VirtualNodeName)

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

Parameters

`name` VirtualNodeName

Returns

VirtualItem<T>

Type Parameters

`T`

GetNodesView()

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

Returns

IEnumerable<VirtualNode>

GetSymbolicLink(VirtualNodeName)

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

Parameters

`name` VirtualNodeName

Returns

VirtualSymbolicLink

ItemExists(VirtualNodeName)

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

Parameters

`name` VirtualNodeName

Returns

bool

NodeExists(VirtualNodeName)

```
public bool NodeExists(VirtualNodeName name)
```

Parameters

`name` VirtualNodeName

Returns

bool

Remove(VirtualNode)

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

Parameters

`node` VirtualNode

SymbolicLinkExists(VirtualNodeName)

```
public bool SymbolicLinkExists(VirtualNodeName name)
```

Parameters

`name` VirtualNodeName

Returns

bool

ToString()

Returns a string that represents the current object.

```
public override string ToString()
```

Returns

string

A string that represents the current object.

Update(VirtualNode)

Updates the VirtualNode.

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

Parameters

`node` VirtualNode

Value to update

Operators

operator +(VirtualDirectory, VirtualNode)

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

Parameters

`directory` VirtualDirectory

`node` VirtualNode

Returns

VirtualDirectory

implicit operator VirtualDirectory(VirtualNodeName)

```
public static implicit operator VirtualDirectory(VirtualNodeName nodeName)
```

Parameters

`nodeName` VirtualNodeName

Returns

VirtualDirectory

operator -(VirtualDirectory, VirtualNode)

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

Parameters

`directory` VirtualDirectory

`node` VirtualNode

Returns

VirtualDirectory

Class VirtualDirectoryAdapter<T>

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public class VirtualDirectoryAdapter<T>
```

Type Parameters

T

Inheritance

object ← VirtualDirectoryAdapter<T>

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Constructors

VirtualDirectoryAdapter(VirtualStorage<T>)

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

Parameters

`storage` VirtualStorage<T>

Properties

this[VirtualPath, bool]

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

Parameters

`path` VirtualPath

`followLinks` bool

Property Value

VirtualDirectory

Class VirtualException

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public abstract class VirtualException : Exception, ISerializable
```

Inheritance

object ← Exception ← VirtualException

Implements

ISerializable

Derived

VirtualNodeNotFoundException

Inherited Members

Exception.GetBaseException() , Exception.GetType() , Exception.ToString() , Exception.Data , Exception.HelpLink , Exception.HResult , Exception.InnerException , Exception.Message , Exception.Source , Exception.StackTrace , Exception.TargetSite , Exception.SerializeObjectState , object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.MemberwiseClone() , object.ReferenceEquals(object, object)

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Constructors

VirtualException()

```
public VirtualException()
```

VirtualException(string)

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

Parameters

`message` string

VirtualException(string, Exception)

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

Parameters

`message` string

`innerException` Exception

Class VirtualGroupCondition<T, TKey>

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public class VirtualGroupCondition<T, TKey>
```

Type Parameters

T

TKey

Inheritance

object ← VirtualGroupCondition<T, TKey>

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Constructors

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

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

Parameters

groupBy Expression<Func<T, TKey>>

ascending bool

Properties

Ascending

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

Property Value

bool

GroupBy

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

Property Value

Expression <Func <T, TKey> >

Struct VirtualID

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public readonly record struct VirtualID : IEquatable<VirtualID>
```

Implements
IEquatable<VirtualID>

Inherited Members
ValueType.Equals(object) , ValueType.GetHashCode() , object.Equals(object, object) , object.GetType() , object.ReferenceEquals(object, object)

Extension Methods
VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Constructors

VirtualID()

```
public VirtualID()
```

Properties

ID

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

Property Value

Guid

Methods

ToString()

Returns the fully qualified type name of this instance.

```
public override string ToString()
```

Returns

string

The fully qualified type name.

Class VirtualItem

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

The virtual item.

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

Inheritance

object ← VirtualNode ← VirtualItem

Implements

IVirtualDeepCloneable<VirtualNode>

Derived

VirtualItem<T>

Inherited Members

VirtualNode.Name , VirtualNode.CreatedDate , VirtualNode.UpdatedDate , VirtualNode.NodeType , VirtualNode.VID , VirtualNode.Update(VirtualNode) , VirtualNode.IsReferencedInStorage , object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T) , VirtualNodeExtensions.ResolveNodeType(VirtualNode)

Constructors

VirtualItem(VirtualNodeName)

Initializes a new instance of the VirtualItem class.

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

Parameters

`name` VirtualNodeName

The name.

VirtualItem(VirtualNodeName, DateTime)

Initializes a new instance of the VirtualItem class.

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

Parameters

`name` VirtualNodeName

The name.

`createdDate` DateTime

The created date.

VirtualItem(VirtualNodeName, DateTime, DateTime)

Initializes a new instance of the VirtualItem class.

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

Parameters

`name` VirtualNodeName

The name.

`createdDate` DateTime

The created date.

`updatedDate` DateTime

The updated date.

Methods

DeepClone(bool)

Deeps the clone.

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

Parameters

`recursive` bool

If true, recursive.

Returns

VirtualNode

A VirtualNode

Class VirtualItemAdapter<T>

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public class VirtualItemAdapter<T>
```

Type Parameters

T

Inheritance

object ← VirtualItemAdapter<T>

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Constructors

VirtualItemAdapter(VirtualStorage<T>)

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

Parameters

`storage` VirtualStorage<T>

Properties

this[VirtualPath, bool]

```
public VirtualItem<T> this[VirtualPath path, bool followLinks = true] { get; set; }
```

Parameters

`path` VirtualPath

`followLinks` bool

Property Value

VirtualItem<T>

Class VirtualItem<T>

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

The virtual item.

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

Type Parameters

T

Inheritance

object ← VirtualNode ← VirtualItem ← VirtualItem<T>

Implements

IVirtualDeepCloneable<VirtualNode>, IDisposable

Inherited Members

VirtualNode.Name , VirtualNode.CreatedDate , VirtualNode.UpdatedDate , VirtualNode.VID , VirtualNode.IsReferencedInStorage , object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object)

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T) , VirtualNodeExtensions.ResolveNodeType(VirtualNode)

Constructors

VirtualItem()

Initializes a new instance of the VirtualItem class.

```
public VirtualItem()
```

VirtualItem(VirtualNodeName)

Initializes a new instance of the VirtualItem class.

```
public VirtualItem(VirtualNodeName name)
```

Parameters

`name` VirtualNodeName

The name.

VirtualItem(VirtualNodeName, T?)

Initializes a new instance of the VirtualItem class.

```
public VirtualItem(VirtualNodeName name, T? item)
```

Parameters

`name` VirtualNodeName

The name.

`item` T

The item.

VirtualItem(VirtualNodeName, T?, DateTime)

Initializes a new instance of the VirtualItem class.

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

Parameters

`name` VirtualNodeName

The name.

`item` T

The item.

`createdDate` DateTime

The created date.

VirtualItem(VirtualNodeName, T?, DateTime, DateTime)

Initializes a new instance of the VirtualItem class.

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

Parameters

`name` VirtualNodeName

The name.

`item` T

The item.

`createdDate` DateTime

The created date.

`updatedDate` DateTime

The updated date.

Properties

ItemData

Gets or sets the item data.

```
public T? ItemData { get; set; }
```

Property Value

T

NodeType

Gets the node type.

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

Property Value

VirtualNodeType

Methods

DeepClone(bool)

Deeps the clone.

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

Parameters

`recursive` bool

If true, recursive.

Returns

VirtualNode

A VirtualNode

Dispose()

Disposes this instance.

```
public void Dispose()
```

Dispose(bool)

```
protected virtual void Dispose(bool disposing)
```

Parameters

`disposing` bool

~VirtualItem()

```
protected ~VirtualItem()
```

ToString()

Converts to the string.

```
public override string ToString()
```

Returns

string

A string

Update(VirtualNode)

Updates the VirtualNode.

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

Parameters

`node` VirtualNode

Value to update

Operators

implicit operator VirtualItem<T>(VirtualNodeName)

```
public static implicit operator VirtualItem<T>(VirtualNodeName name)
```

Parameters

`name` VirtualNodeName

Returns

VirtualItem<T>

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

```
public static implicit operator VirtualItem<T>((VirtualNodeName nodeName, T?
itemData) tuple)
```

Parameters

`tuple` (VirtualNodeName nodeName, T itemData)

Returns

VirtualItem<T>

implicit operator VirtualItem<T>(T?)

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

Parameters

`itemData` T

Returns

VirtualItem<T>

Class VirtualNode

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

Represents an abstract class for nodes.

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

Inheritance

object ← VirtualNode

Implements

IVirtualDeepCloneable<VirtualNode>

Derived

VirtualDirectory, VirtualItem, VirtualSymbolicLink

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T) , VirtualNodeExtensions.ResolveNodeType(VirtualNode)

Constructors

VirtualNode(VirtualNodeName)

Initializes a new instance of the VirtualNode class.

```
protected VirtualNode(VirtualNodeName name)
```

Parameters

`name` VirtualNodeName

The name of node.

VirtualNode(VirtualNodeName, DateTime)

Initializes a new instance of the VirtualNode class.

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

Parameters

`name` VirtualNodeName

The name of node.

`createdDate` DateTime

The created date of node.

VirtualNode(VirtualNodeName, DateTime, DateTime)

Initializes a new instance of the VirtualNode class.

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

Parameters

`name` VirtualNodeName

The name of node.

`createdDate` DateTime

The created date of node.

`updatedDate` DateTime

The updated date of node.

Properties

CreatedDate

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

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

Property Value

DateTime

IsReferencedInStorage

Gets a value indicating whether referenced in storage. If this property is true, the node is referenced from storage. Otherwise, it is not.

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

Property Value

bool

Name

Gets the name of node.

```
public VirtualNodeName Name { get; }
```

Property Value

VirtualNodeName

NodeType

Gets the node type of node.

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

Property Value

VirtualNodeType

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.

```
public DateTime UpdatedDate { get; }
```

Property Value

DateTime

VID

Gets the VID of node.

```
public VirtualID VID { get; }
```

Property Value

VirtualID

Methods

DeepClone(bool)

Creates a deep clone 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.

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

Parameters

`recursive` bool

When true, all child nodes are also cloned, creating a deep copy of the entire tree. 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.

Returns

VirtualNode

Cloned VirtualNode instance

Update(VirtualNode)

Updates the VirtualNode.

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

Parameters

`node` VirtualNode

Value to update

Class VirtualNodeContext

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public class VirtualNodeContext
```

Inheritance

object ← VirtualNodeContext

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object)

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Constructors

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

```
public VirtualNodeContext(VirtualNode? node, VirtualPath traversalPath, VirtualDirectory?
parentNode = null, int depth = 0, int index = 0, VirtualPath? resolvedPath = null, bool
resolved = false, VirtualSymbolicLink? resolvedLink = null)
```

Parameters

`node` VirtualNode

`traversalPath` VirtualPath

`parentNode` VirtualDirectory

`depth` int

`index` int

`resolvedPath` VirtualPath

`resolved` bool

`resolvedLink` VirtualSymbolicLink

Properties

Depth

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

Property Value

int

Index

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

Property Value

int

Node

```
public VirtualNode? Node { get; set; }
```

Property Value

VirtualNode

ParentDirectory

```
public VirtualDirectory? ParentDirectory { get; set; }
```

Property Value

VirtualDirectory

Resolved

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

Property Value

bool

ResolvedLink

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

Property Value

VirtualSymbolicLink

ResolvedPath

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

Property Value

VirtualPath

TraversalPath

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

Property Value

VirtualPath

Methods

ToString()

Returns a string that represents the current object.

```
public override string ToString()
```

Returns

string

A string that represents the current object.

Class VirtualNodeExtensions

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public static class VirtualNodeExtensions
```

Inheritance

object ← VirtualNodeExtensions

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Methods

ResolveNodeType(VirtualNode)

```
public static VirtualNodeType ResolveNodeType(this VirtualNode node)
```

Parameters

`node` VirtualNode

Returns

VirtualNodeType

Struct VirtualNodeListConditions

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public struct VirtualNodeListConditions
```

Inherited Members

ValueType.Equals(object) , ValueType.GetHashCode() , ValueType.ToString() , object.Equals(object, object) , object.GetType() , object.ReferenceEquals(object, object)

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Constructors

VirtualNodeListConditions()

```
public VirtualNodeListConditions()
```

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

```
public VirtualNodeListConditions(VirtualNodeTypeFilter filter,
VirtualGroupCondition<VirtualNode, object>? groupCondition,
List<VirtualSortCondition<VirtualNode>>? sortConditions)
```

Parameters

`filter` VirtualNodeTypeFilter

`groupCondition` VirtualGroupCondition<VirtualNode, object>

`sortConditions` List<VirtualSortCondition<VirtualNode>>

Properties

Filter

```
public VirtualNodeTypeFilter Filter { readonly get; set; }
```

Property Value

VirtualNodeTypeFilter

GroupCondition

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

Property Value

VirtualGroupCondition<VirtualNode, object>

SortConditions

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

Property Value

List<VirtualSortCondition<VirtualNode>>

Class VirtualNodeName

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

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

Inheritance

object ← VirtualNodeName

Implements

IEquatable<VirtualNodeName>, IComparable<VirtualNodeName>, IComparable

Inherited Members

object.Equals(object, object) , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object)

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Constructors

VirtualNodeName(string)

```
public VirtualNodeName(string name)
```

Parameters

`name` string

Properties

IsRoot

```
public bool IsRoot { get; }
```

Property Value

bool

Name

```
public string Name { get; }
```

Property Value

string

Methods

CompareTo(VirtualNodeName?)

Compares the current instance with another object of the same type and returns an integer that indicates whether the current instance precedes, follows, or occurs in the same position in the sort order as the other object.

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

Parameters

`other` VirtualNodeName

An object to compare with this instance.

Returns

int

A value that indicates the relative order of the objects being compared. The return value has these meanings:

Value	Meaning
Less than zero	This instance precedes `other` in the sort order.

Value	Meaning
Zero	This instance occurs in the same position in the sort order as `other`.
Greater than zero	This instance follows `other` in the sort order.

CompareTo(object?)

Compares the current instance with another object of the same type and returns an integer that indicates whether the current instance precedes, follows, or occurs in the same position in the sort order as the other object.

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

Parameters

`obj` object

An object to compare with this instance.

Returns

int

A value that indicates the relative order of the objects being compared. The return value has these meanings:

Value	Meaning
Less than zero	This instance precedes `obj` in the sort order.
Zero	This instance occurs in the same position in the sort order as `obj`.
Greater than zero	This instance follows `obj` in the sort order.

Exceptions

ArgumentException

`obj` is not the same type as this instance.

Equals(VirtualNodeName?)

Indicates whether the current object is equal to another object of the same type.

```
public bool Equals(VirtualNodeName? other)
```

Parameters

`other` VirtualNodeName

An object to compare with this object.

Returns

bool

true if the current object is equal to the `other` parameter; otherwise, false.

Equals(object?)

Determines whether the specified object is equal to the current object.

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

Parameters

`obj` object

The object to compare with the current object.

Returns

bool

true if the specified object is equal to the current object; otherwise, false.

GenerateNodeName(string)

```
public static VirtualNodeName GenerateNodeName(string prefix)
```

Parameters

`prefix` string

Returns

VirtualNodeName

GetHashCode()

Serves as the default hash function.

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

Returns

int

A hash code for the current object.

IsValidNodeName(VirtualNodeName)

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

Parameters

`nodeName` VirtualNodeName

Returns

bool

ResetCounter()

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

ToString()

Returns a string that represents the current object.

```
public override string ToString()
```

Returns

string

A string that represents the current object.

Operators

operator ==(VirtualNodeName?, VirtualNodeName?)

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

Parameters

`left` VirtualNodeName

`right` VirtualNodeName

Returns

bool

implicit operator string(VirtualNodeName)

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

Parameters

`nodeName` VirtualNodeName

Returns

string

implicit operator VirtualNodeName(string)

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

Parameters

`name` string

Returns

VirtualNodeName

operator !=(VirtualNodeName?, VirtualNodeName?)

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

Parameters

`left` VirtualNodeName

`right` VirtualNodeName

Returns

bool

Class VirtualNodeNotFoundException

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public class VirtualNodeNotFoundException : VirtualException, ISerializable
```

Inheritance

object ← Exception ← VirtualException ← VirtualNodeNotFoundException

Implements

ISerializable

Inherited Members

Exception.GetBaseException() , Exception.GetType() , Exception.ToString() , Exception.Data , Exception.HelpLink , Exception.HResult , Exception.InnerException , Exception.Message , Exception.Source , Exception.StackTrace , Exception.TargetSite , Exception.SerializeObjectState , object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.MemberwiseClone() , object.ReferenceEquals(object, object)

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Constructors

VirtualNodeNotFoundException()

```
public VirtualNodeNotFoundException()
```

VirtualNodeNotFoundException(string)

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

Parameters

`message` string

VirtualNodeNotFoundException(string, Exception)

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

Parameters

`message` string

`innerException` Exception

Enum VirtualNodeType

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public enum VirtualNodeType
```

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Fields

`Directory = 0`

`Item = 1`

`None = 3`

`SymbolicLink = 2`

Enum VirtualNodeTypeFilter

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public enum VirtualNodeTypeFilter
```

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Fields

`All = 7`

`Directory = 2`

`Item = 1`

`None = 0`

`SymbolicLink = 4`

Class VirtualPath

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public class VirtualPath : IEquatable<VirtualPath>, IComparable<VirtualPath>, IComparable
```

Inheritance

object ← VirtualPath

Implements

IEquatable<VirtualPath>, IComparable<VirtualPath>, IComparable

Inherited Members

object.Equals(object, object) , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object)

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Constructors

VirtualPath(IEnumerable<VirtualNodeName>)

```
public VirtualPath(IEnumerable<VirtualNodeName> parts)
```

Parameters

`parts` IEnumerable<VirtualNodeName>

VirtualPath(string)

```
public VirtualPath(string path)
```

Parameters

path string

Properties

BaseDepth

```
public int BaseDepth { get; }
```

Property Value

int

Depth

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

Property Value

int

DirectoryPath

```
public VirtualPath DirectoryPath { get; }
```

Property Value

VirtualPath

Dot

```
public static string Dot { get; }
```

Property Value

string

DotDot

```
public static string DotDot { get; }
```

Property Value

string

FixedPath

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

Property Value

VirtualPath

IsAbsolute

```
public bool IsAbsolute { get; }
```

Property Value

bool

IsDot

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

Property Value

bool

IsDotDot

```
public bool IsDotDot { get; }
```

Property Value

bool

IsEmpty

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

Property Value

bool

IsEndsWithSlash

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

Property Value

bool

IsRoot

```
public bool IsRoot { get; }
```

Property Value

bool

NodeName

```
public VirtualNodeName NodeName { get; }
```

Property Value

VirtualNodeName

PartsList

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

Property Value

List<VirtualNodeName>

Path

```
public string Path { get; }
```

Property Value

string

Root

```
public static string Root { get; }
```

Property Value

string

Separator

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

Property Value

char

Methods

AddEndSlash()

```
public VirtualPath AddEndSlash()
```

Returns

VirtualPath

AddStartSlash()

```
public VirtualPath AddStartSlash()
```

Returns

VirtualPath

ArePathsSubdirectories(VirtualPath, VirtualPath)

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

Parameters

`path1` VirtualPath

`path2` VirtualPath

Returns

bool

Combine(params VirtualPath[])

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

Parameters

`paths` VirtualPath[]

Returns

VirtualPath

Combine(params string[])

```
public static string Combine(params string[] paths)
```

Parameters

`paths` string[]

Returns

string

CombineFromIndex(VirtualPath, int)

```
public VirtualPath CombineFromIndex(VirtualPath path, int index)
```

Parameters

`path` VirtualPath

`index` int

Returns

VirtualPath

CompareTo(VirtualPath?)

Compares the current instance with another object of the same type and returns an integer that indicates whether the current instance precedes, follows, or occurs in the same position in the sort order as the other object.

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

Parameters

`other` VirtualPath

An object to compare with this instance.

Returns

int

A value that indicates the relative order of the objects being compared. The return value has these meanings:

Value	Meaning
Less than zero	This instance precedes `other` in the sort order.
Zero	This instance occurs in the same position in the sort order as `other`.
Greater than zero	This instance follows `other` in the sort order.

CompareTo(object?)

Compares the current instance with another object of the same type and returns an integer that indicates whether the current instance precedes, follows, or occurs in the same position in the sort order

as the other object.

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

Parameters

`obj` object

An object to compare with this instance.

Returns

int

A value that indicates the relative order of the objects being compared. The return value has these meanings:

Value	Meaning
Less than zero	This instance precedes `obj` in the sort order.
Zero	This instance occurs in the same position in the sort order as `obj`.
Greater than zero	This instance follows `obj` in the sort order.

Exceptions

ArgumentException

`obj` is not the same type as this instance.

Equals(VirtualPath?)

Indicates whether the current object is equal to another object of the same type.

```
public bool Equals(VirtualPath? other)
```

Parameters

`other` VirtualPath

An object to compare with this object.

Returns

bool

true if the current object is equal to the `other` parameter; otherwise, false.

Equals(object?)

Determines whether the specified object is equal to the current object.

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

Parameters

`obj` object

The object to compare with the current object.

Returns

bool

true if the specified object is equal to the current object; otherwise, false.

GetHashCode()

Serves as the default hash function.

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

Returns

int

A hash code for the current object.

GetNodeName()

```
public VirtualNodeName GetNodeName()
```

Returns

VirtualNodeName

GetParentPath()

```
public VirtualPath GetParentPath()
```

Returns

VirtualPath

GetPartsLinkedList()

```
public LinkedList<VirtualNodeName> GetPartsLinkedList()
```

Returns

LinkedList<VirtualNodeName>

GetPartsList()

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

Returns

List<VirtualNodeName>

GetRelativePath(VirtualPath)

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

Parameters

`basePath` VirtualPath

Returns

VirtualPath

IsSubdirectory(VirtualPath)

```
public bool IsSubdirectory(VirtualPath parentPath)
```

Parameters

`parentPath` VirtualPath

Returns

bool

NormalizePath()

```
public VirtualPath NormalizePath()
```

Returns

VirtualPath

NormalizePath(string)

```
public static string NormalizePath(string path)
```

Parameters

`path` string

Returns

string

StartsWith(VirtualPath)

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

Parameters

`path` VirtualPath

Returns

bool

ToString()

Returns a string that represents the current object.

```
public override string ToString()
```

Returns

string

A string that represents the current object.

TrimEndSlash()

```
public VirtualPath TrimEndSlash()
```

Returns

VirtualPath

Operators

operator +(VirtualPath, VirtualNodeName)

```
public static VirtualPath operator +(VirtualPath path, VirtualNodeName nodeName)
```

Parameters

`path` VirtualPath

`nodeName` VirtualNodeName

Returns

VirtualPath

operator +(VirtualPath, VirtualPath)

```
public static VirtualPath operator +(VirtualPath path1, VirtualPath path2)
```

Parameters

`path1` VirtualPath

`path2` VirtualPath

Returns

VirtualPath

operator +(VirtualPath, char)

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

Parameters

`path` VirtualPath

`chr` char

Returns

VirtualPath

operator +(VirtualPath, string)

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

Parameters

`path` VirtualPath

`str` string

Returns

VirtualPath

operator +(char, VirtualPath)

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

Parameters

`chr` char

`path` VirtualPath

Returns

VirtualPath

operator +(string, VirtualPath)

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

Parameters

`str` string

`path` VirtualPath

Returns

VirtualPath

operator ==(VirtualPath?, VirtualPath?)

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

Parameters

`left` VirtualPath

`right` VirtualPath

Returns

bool

implicit operator string(VirtualPath?)

```
public static implicit operator string(VirtualPath? virtualPath)
```

Parameters

`virtualPath` VirtualPath

Returns

string

implicit operator VirtualPath(string)

```
public static implicit operator VirtualPath(string path)
```

Parameters

`path` string

Returns

VirtualPath

operator !=(VirtualPath?, VirtualPath?)

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

Parameters

`left` VirtualPath

`right` VirtualPath

Returns

bool

Class VirtualSortCondition<T>

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public class VirtualSortCondition<T>
```

Type Parameters

T

Inheritance

object ← VirtualSortCondition<T>

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Constructors

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

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

Parameters

`sortBy` Expression<Func<T, object>>

`ascending` bool

Properties

Ascending

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

Property Value

bool

SortBy

```
public Expression<Func<T, object>> SortBy { get; set; }
```

Property Value

Expression <Func <T, object > >

Class VirtualStorageExtensions

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public static class VirtualStorageExtensions
```

Inheritance

object ← VirtualStorageExtensions

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Methods

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

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

Parameters

`source` IEnumerable<T>

`sortConditions` List<VirtualSortCondition<T>>

Returns

IEnumerable<T>

Type Parameters

`T`

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

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

Parameters

`source` IEnumerable<T>

`groupCondition` VirtualGroupCondition<T, object>

`sortConditions` List<VirtualSortCondition<T>>

Returns

IEnumerable<T>

Type Parameters

`T`

Class VirtualStorageSettings

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public class VirtualStorageSettings
```

Inheritance

object ← VirtualStorageSettings

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Properties

InvalidFullNodeNames

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

Property Value

string[]

InvalidNodeNameCharacters

```
public char[] InvalidNodeNameCharacters { get; set; }
```

Property Value

char[]

NodeListConditions

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

Property Value

VirtualNodeListConditions

PathDot

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

Property Value

string

PathDotDot

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

Property Value

string

PathRoot

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

Property Value

string

PathSeparator

```
public char PathSeparator { get; set; }
```

Property Value

char

PrefixDirectory

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

Property Value

string

PrefixItem

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

Property Value

string

PrefixSymbolicLink

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

Property Value

string

Settings

```
public static VirtualStorageSettings Settings { get; }
```

Property Value

VirtualStorageSettings

WildcardMatcher

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

Property Value

IVirtualWildcardMatcher

Methods

Initialize()

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

Class VirtualStorageState

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public class VirtualStorageState
```

Inheritance

object ← VirtualStorageState

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Properties

InvalidFullNodeNames

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

Property Value

string[]

InvalidNodeNameCharacters

```
public char[] InvalidNodeNameCharacters { get; set; }
```

Property Value

char[]

NodeListConditions

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

Property Value

VirtualNodeListConditions

PathDot

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

Property Value

string

PathDotDot

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

Property Value

string

PathRoot

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

Property Value

string

PathSeparator

```
public char PathSeparator { get; set; }
```

Property Value

char

PrefixDirectory

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

Property Value

string

PrefixItem

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

Property Value

string

PrefixSymbolicLink

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

Property Value

string

State

```
public static VirtualStorageState State { get; }
```

Property Value

VirtualStorageState

WildcardMatcher

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

Property Value

IVirtualWildcardMatcher

Methods

SetNodeListConditions(VirtualNodeListConditions)

```
public static void SetNodeListConditions(VirtualNodeListConditions conditions)
```

Parameters

`conditions` VirtualNodeListConditions

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

```
public static void SetNodeListConditions(VirtualNodeTypeFilter filter,
VirtualGroupCondition<VirtualNode, object>? groupCondition = null,
List<VirtualSortCondition<VirtualNode>>? sortConditions = null)
```

Parameters

`filter` VirtualNodeTypeFilter

`groupCondition` VirtualGroupCondition<VirtualNode, object>

`sortConditions` List<VirtualSortCondition<VirtualNode>>

Class VirtualStorage<T>

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public class VirtualStorage<T>
```

Type Parameters

T

Inheritance

object ← VirtualStorage<T>

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Extension Methods

VirtualTextFormatter.GenerateLinkTableDebugText<T>(VirtualStorage<T>) , VirtualTextFormatter.GenerateSingleTableDebugText<T>(T) , VirtualTextFormatter.GenerateTreeDebugText<T>(VirtualStorage<T>, VirtualPath, bool, bool)

Constructors

VirtualStorage()

```
public VirtualStorage()
```

Properties

CurrentPath

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

Property Value

VirtualPath

CycleDetectorForTarget

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

Property Value

VirtualCycleDetector

CycleDetectorForTree

```
public VirtualCycleDetector CycleDetectorForTree { get; }
```

Property Value

VirtualCycleDetector

Dir

```
public VirtualDirectoryAdapter<T> Dir { get; }
```

Property Value

VirtualDirectoryAdapter<T>

this[VirtualPath, bool]

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

Parameters

`path` VirtualPath

`followLinks` bool

Property Value

VirtualNode

Item

```
public VirtualItemAdapter<T> Item { get; }
```

Property Value

VirtualItemAdapter<T>

Link

```
public VirtualSymbolicLinkAdapter<T> Link { get; }
```

Property Value

VirtualSymbolicLinkAdapter<T>

LinkDictionary

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

Property Value

Dictionary<VirtualPath, HashSet<VirtualPath>>

Root

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

Property Value

VirtualDirectory

Methods

AddDirectory(VirtualPath, VirtualDirectory, bool)

```
public void AddDirectory(VirtualPath directoryPath, VirtualDirectory directory, bool
createSubdirectories = false)
```

Parameters

`directoryPath` VirtualPath

`directory` VirtualDirectory

`createSubdirectories` bool

AddDirectory(VirtualPath, bool)

```
public void AddDirectory(VirtualPath path, bool createSubdirectories = false)
```

Parameters

`path` VirtualPath

`createSubdirectories` bool

AddItem(VirtualPath, VirtualItem<T>, bool)

```
public void AddItem(VirtualPath itemDirectoryPath, VirtualItem<T> item, bool overwrite
= false)
```

Parameters

`itemDirectoryPath` VirtualPath

`item` VirtualItem<T>

`overwrite` bool

AddItem(VirtualPath, T?, bool)

```
public void AddItem(VirtualPath itemPath, T? data = default, bool overwrite = false)
```

Parameters

`itemPath` VirtualPath

`data` T

`overwrite` bool

AddLinkToDictionary(VirtualPath, VirtualPath)

```
public void AddLinkToDictionary(VirtualPath targetPath, VirtualPath linkPath)
```

Parameters

`targetPath` VirtualPath

`linkPath` VirtualPath

AddNode(VirtualPath, VirtualNode, bool)

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

Parameters

`nodeDirectoryPath` VirtualPath

`node` VirtualNode

`overwrite` bool

AddSymbolicLink(VirtualPath, VirtualPath?, bool)

```
public void AddSymbolicLink(VirtualPath linkPath, VirtualPath? targetPath = null, bool
overwrite = false)
```

Parameters

`linkPath` VirtualPath

`targetPath` VirtualPath

`overwrite` bool

AddSymbolicLink(VirtualPath, VirtualSymbolicLink, bool)

```
public void AddSymbolicLink(VirtualPath linkDirectoryPath, VirtualSymbolicLink link, bool
overwrite = false)
```

Parameters

`linkDirectoryPath` VirtualPath

`link` VirtualSymbolicLink

`overwrite` bool

ChangeDirectory(VirtualPath)

```
public void ChangeDirectory(VirtualPath path)
```

Parameters

`path` VirtualPath

ConvertToAbsolutePath(VirtualPath?, VirtualPath?)

```
public VirtualPath ConvertToAbsolutePath(VirtualPath? relativePath, VirtualPath? basePath
= null)
```

Parameters

`relativePath` VirtualPath

`basePath` VirtualPath

Returns

VirtualPath

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

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

Parameters

`sourcePath` VirtualPath

`destinationPath` VirtualPath

`overwrite` bool

`recursive` bool

`followLinks` bool

`destinationContextList` List<VirtualNodeContext>

DirectoryExists(VirtualPath, bool)

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

Parameters

`path` VirtualPath

`followLinks` bool

Returns

bool

ExpandPath(VirtualPath, VirtualNodeTypeFilter, bool, bool)

```
public IEnumerable<VirtualPath> ExpandPath(VirtualPath path, VirtualNodeTypeFilter filter =
VirtualNodeTypeFilter.All, bool followLinks = true, bool resolveLinks = true)
```

Parameters

`path` VirtualPath

`filter` VirtualNodeTypeFilter

`followLinks` bool

`resolveLinks` bool

Returns

IEnumerable<VirtualPath>

ExpandPathTree(VirtualPath, VirtualNodeTypeFilter, bool, bool)

```
public IEnumerable<VirtualNodeContext> ExpandPathTree(VirtualPath path,
VirtualNodeTypeFilter filter = VirtualNodeTypeFilter.All, bool followLinks = true, bool
resolveLinks = true)
```

Parameters

`path` VirtualPath

`filter` VirtualNodeTypeFilter

`followLinks` bool

`resolveLinks` bool

Returns

IEnumerable<VirtualNodeContext>

GetDirectory(VirtualPath, bool)

```
public VirtualDirectory GetDirectory(VirtualPath path, bool followLinks = false)
```

Parameters

`path` VirtualPath

`followLinks` bool

Returns

VirtualDirectory

GetItem(VirtualPath, bool)

```
public VirtualItem<T> GetItem(VirtualPath path, bool followLinks = false)
```

Parameters

`path` VirtualPath

`followLinks` bool

Returns

VirtualItem<T>

GetLinksFromDictionary(VirtualPath)

```
public HashSet<VirtualPath> GetLinksFromDictionary(VirtualPath targetPath)
```

Parameters

`targetPath` VirtualPath

Returns

HashSet<VirtualPath>

GetNode(VirtualPath, bool)

```
public VirtualNode GetNode(VirtualPath path, bool followLinks = false)
```

Parameters

`path` VirtualPath

`followLinks` bool

Returns

VirtualNode

GetNodeType(VirtualPath, bool)

```
public VirtualNodeType GetNodeType(VirtualPath path, bool followLinks = false)
```

Parameters

`path` VirtualPath

`followLinks` bool

Returns

VirtualNodeType

GetNodes(VirtualNodeTypeFilter, bool, bool)

```
public IEnumerable<VirtualNode> GetNodes(VirtualNodeTypeFilter nodeType =
VirtualNodeTypeFilter.All, bool recursive = false, bool followLinks = false)
```

Parameters

`nodeType` VirtualNodeTypeFilter

`recursive` bool

`followLinks` bool

Returns

IEnumerable<VirtualNode>

GetNodes(VirtualPath, VirtualNodeTypeFilter, bool, bool)

```
public IEnumerable<VirtualNode> GetNodes(VirtualPath basePath, VirtualNodeTypeFilter
nodeType = VirtualNodeTypeFilter.All, bool recursive = false, bool followLinks = false)
```

Parameters

`basePath` VirtualPath

`nodeType` VirtualNodeTypeFilter

`recursive` bool

`followLinks` bool

Returns

IEnumerable<VirtualNode>

GetNodesWithPaths(VirtualNodeTypeFilter, bool, bool)

```
public IEnumerable<VirtualPath> GetNodesWithPaths(VirtualNodeTypeFilter nodeType =
VirtualNodeTypeFilter.All, bool recursive = false, bool followLinks = false)
```

Parameters

`nodeType` VirtualNodeTypeFilter

`recursive` bool

`followLinks` bool

Returns

IEnumerable<VirtualPath>

GetNodesWithPaths(VirtualPath, VirtualNodeTypeFilter, bool, bool)

```
public IEnumerable<VirtualPath> GetNodesWithPaths(VirtualPath basePath,
VirtualNodeTypeFilter nodeType = VirtualNodeTypeFilter.All, bool recursive = false, bool
followLinks = false)
```

Parameters

`basePath` VirtualPath

`nodeType` VirtualNodeTypeFilter

`recursive` bool

`followLinks` bool

Returns

IEnumerable<VirtualPath>

GetSymbolicLink(VirtualPath)

```
public VirtualSymbolicLink GetSymbolicLink(VirtualPath path)
```

Parameters

`path` VirtualPath

Returns

VirtualSymbolicLink

ItemExists(VirtualPath, bool)

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

Parameters

`path` VirtualPath

`followLinks` bool

Returns

bool

MoveNode(VirtualPath, VirtualPath, bool, bool)

```
public void MoveNode(VirtualPath sourcePath, VirtualPath destinationPath, bool overwrite =
false, bool resolveLinks = true)
```

Parameters

`sourcePath` VirtualPath

`destinationPath` VirtualPath

`overwrite` bool

`resolveLinks` bool

NodeExists(VirtualPath, bool)

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

Parameters

`path` VirtualPath

`followLinks` bool

Returns

bool

RemoveLinkByLinkPath(VirtualPath)

```
public void RemoveLinkByLinkPath(VirtualPath linkPath)
```

Parameters

`linkPath` VirtualPath

RemoveLinkFromDictionary(VirtualPath, VirtualPath)

```
public void RemoveLinkFromDictionary(VirtualPath targetPath, VirtualPath linkPath)
```

Parameters

`targetPath` VirtualPath

`linkPath` VirtualPath

RemoveNode(VirtualPath, bool, bool, bool)

```
public void RemoveNode(VirtualPath nodePath, bool recursive = false, bool followLinks =
false, bool resolveLinks = true)
```

Parameters

`nodePath` VirtualPath

`recursive` bool

`followLinks` bool

`resolveLinks` bool

ResolveLinkTarget(VirtualPath)

```
public VirtualPath ResolveLinkTarget(VirtualPath path)
```

Parameters

`path` VirtualPath

Returns

VirtualPath

SetLinkTargetNodeType(HashSet<VirtualPath>, VirtualNodeType)

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

Parameters

`linkPathSet` HashSet<VirtualPath>

`nodeType` VirtualNodeType

SetNode(VirtualPath, VirtualNode)

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

Parameters

`destinationPath` VirtualPath

`node` VirtualNode

SetNodeName(VirtualPath, VirtualNodeName, bool)

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

Parameters

`nodePath` VirtualPath

`newName` VirtualNodeName

`resolveLinks` bool

SymbolicLinkExists(VirtualPath)

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

Parameters

`path` VirtualPath

Returns

bool

TryGetDirectory(VirtualPath, bool)

```
public VirtualDirectory? TryGetDirectory(VirtualPath path, bool followLinks = false)
```

Parameters

`path` VirtualPath

`followLinks` bool

Returns

VirtualDirectory

TryGetItem(VirtualPath, bool)

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

Parameters

`path` VirtualPath

`followLinks` bool

Returns

VirtualItem<T>

TryGetNode(VirtualPath, bool)

```
public VirtualNode? TryGetNode(VirtualPath path, bool followLinks = false)
```

Parameters

`path` VirtualPath

`followLinks` bool

Returns

VirtualNode

TryGetSymbolicLink(VirtualPath)

```
public VirtualSymbolicLink? TryGetSymbolicLink(VirtualPath path)
```

Parameters

`path` VirtualPath

Returns

VirtualSymbolicLink

TryResolveLinkTarget(VirtualPath)

```
public VirtualPath? TryResolveLinkTarget(VirtualPath path)
```

Parameters

`path` VirtualPath

Returns

VirtualPath

UpdateAllTargetNodeTypesInDictionary()

```
public void UpdateAllTargetNodeTypesInDictionary()
```

UpdateDirectory(VirtualPath, VirtualDirectory)

```
public void UpdateDirectory(VirtualPath directoryPath, VirtualDirectory newDirectory)
```

Parameters

`directoryPath` VirtualPath

`newDirectory` VirtualDirectory

UpdateItem(VirtualPath, VirtualItem<T>)

```
public void UpdateItem(VirtualPath itemPath, VirtualItem<T> newItem)
```

Parameters

`itemPath` VirtualPath

`newItem` VirtualItem<T>

UpdateLinkInDictionary(VirtualPath, VirtualPath)

```
public void UpdateLinkInDictionary(VirtualPath linkPath, VirtualPath newTargetPath)
```

Parameters

`linkPath` VirtualPath

`newTargetPath` VirtualPath

UpdateLinksToTarget(VirtualPath, VirtualPath)

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

Parameters

`oldTargetPath` VirtualPath

`newTargetPath` VirtualPath

UpdateSymbolicLInk(VirtualPath, VirtualSymbolicLink)

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

Parameters

`linkPath` VirtualPath

`newLink` VirtualSymbolicLink

UpdateTargetNodeTypesInDictionary(VirtualPath)

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

Parameters

`targetPath` VirtualPath

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

```
public VirtualNodeContext WalkPathToTarget(VirtualPath targetPath, NotifyNodeDelegate?
notifyNode = null, ActionNodeDelegate? actionNode = null, bool followLinks = true, bool
exceptionEnabled = true)
```

Parameters

`targetPath` VirtualPath

`notifyNode` NotifyNodeDelegate

`actionNode` ActionNodeDelegate

`followLinks` bool

`exceptionEnabled` bool

Returns

VirtualNodeContext

WalkPathTree(VirtualPath, VirtualNodeTypeFilter, bool, bool, bool)

```
public IEnumerable<VirtualNodeContext> WalkPathTree(VirtualPath basePath,
VirtualNodeTypeFilter filter = VirtualNodeTypeFilter.All, bool recursive = true, bool
followLinks = true, bool resolveLinks = true)
```

Parameters

`basePath` VirtualPath

`filter` VirtualNodeTypeFilter

`recursive` bool

`followLinks` bool

`resolveLinks` bool

Returns

IEnumerable<VirtualNodeContext>

Class VirtualSymbolicLink

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public class VirtualSymbolicLink : VirtualNode, IVirtualDeepCloneable<VirtualNode>
```

Inheritance

object ← VirtualNode ← VirtualSymbolicLink

Implements

IVirtualDeepCloneable<VirtualNode>

Inherited Members

VirtualNode.Name , VirtualNode.CreatedDate , VirtualNode.UpdatedDate , VirtualNode.VID , VirtualNode.IsReferencedInStorage , object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object)

Extension Methods

VirtualNodeExtensions.ResolveNodeType(VirtualNode) , VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Constructors

VirtualSymbolicLink()

```
public VirtualSymbolicLink()
```

VirtualSymbolicLink(VirtualNodeName)

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

Parameters

`name` VirtualNodeName

VirtualSymbolicLink(VirtualNodeName, VirtualPath?)

```
public VirtualSymbolicLink(VirtualNodeName name, VirtualPath? targetPath)
```

Parameters

`name` VirtualNodeName

`targetPath` VirtualPath

VirtualSymbolicLink(VirtualNodeName, VirtualPath?, DateTime, DateTime)

```
public VirtualSymbolicLink(VirtualNodeName name, VirtualPath? targetPath, DateTime
createdDate, DateTime updatedDate)
```

Parameters

`name` VirtualNodeName

`targetPath` VirtualPath

`createdDate` DateTime

`updatedDate` DateTime

Properties

NodeType

Gets the node type of node.

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

Property Value

VirtualNodeType

TargetNodeType

```
public VirtualNodeType TargetNodeType { get; set; }
```

Property Value

VirtualNodeType

TargetPath

```
public VirtualPath? TargetPath { get; set; }
```

Property Value

VirtualPath

Methods

DeepClone(bool)

Creates a deep clone 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.

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

Parameters

`recursive` bool

When true, all child nodes are also cloned, creating a deep copy of the entire tree. 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.

Returns

VirtualNode

Cloned VirtualNode instance

ToString()

Returns a string that represents the current object.

```
public override string ToString()
```

Returns

string

A string that represents the current object.

Update(VirtualNode)

Updates the VirtualNode.

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

Parameters

`node` VirtualNode

Value to update

Operators

implicit operator VirtualSymbolicLink(VirtualPath?)

```
public static implicit operator VirtualSymbolicLink(VirtualPath? targetPath)
```

Parameters

`targetPath` VirtualPath

Returns

VirtualSymbolicLink

implicit operator VirtualSymbolicLink((VirtualNodeName nodeName, VirtualPath? targetPath))

```
public static implicit operator VirtualSymbolicLink((VirtualNodeName nodeName, VirtualPath?
targetPath) tuple)
```

Parameters

`tuple` (VirtualNodeName nodeName, VirtualPath targetPath)

Returns

VirtualSymbolicLink

Class VirtualSymbolicLinkAdapter<T>

Namespace: AkiraNetwork.VirtualStorageLibrary

Assembly: VirtualStorageLibrary.dll

```
public class VirtualSymbolicLinkAdapter<T>
```

Type Parameters

T

Inheritance

object ← VirtualSymbolicLinkAdapter<T>

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Constructors

VirtualSymbolicLinkAdapter(VirtualStorage<T>)

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

Parameters

`storage` VirtualStorage<T>

Properties

this[VirtualPath, bool]

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

Parameters

`path` VirtualPath

`followLinks` bool

Property Value

VirtualSymbolicLink

Namespace AkiraNetwork.VirtualStorage Library.Utilities

Classes

VirtualTextFormatter

Class VirtualTextFormatter

Namespace: AkiraNetwork.VirtualStorageLibrary.Utilities

Assembly: VirtualStorageLibrary.dll

```
public static class VirtualTextFormatter
```

Inheritance

object ← VirtualTextFormatter

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Methods

GenerateLinkTableDebugText<T>(VirtualStorage<T>)

```
public static string GenerateLinkTableDebugText<T>(this VirtualStorage<T> vs)
```

Parameters

`vs` VirtualStorage<T>

Returns

string

Type Parameters

`T`

GenerateSingleTableDebugText<T>(T)

```
public static string GenerateSingleTableDebugText<T>(this T singleObject)
```

Parameters

`singleObject` T

Returns

string

Type Parameters

`T`

GenerateTableDebugText<T>(IEnumerable<T>)

```
public static string GenerateTableDebugText<T>(this IEnumerable<T> enumerableObject)
```

Parameters

`enumerableObject` IEnumerable<T>

Returns

string

Type Parameters

`T`

GenerateTreeDebugText<T>(VirtualStorage<T>, VirtualPath, bool, bool)

```
public static string GenerateTreeDebugText<T>(this VirtualStorage<T> vs, VirtualPath
basePath, bool recursive = true, bool followLinks = false)
```

Parameters

`vs` VirtualStorage<T>

`basePath` VirtualPath

`recursive` bool

`followLinks` bool

Returns

string

Type Parameters

`T`

Namespace AkiraNetwork.VirtualStorage Library.WildcardMatchers

Classes

DefaultWildcardMatcher

PowerShellWildcardMatcher

Class DefaultWildcardMatcher

Namespace: AkiraNetwork.VirtualStorageLibrary.WildcardMatchers

Assembly: VirtualStorageLibrary.dll

```
public class DefaultWildcardMatcher : IVirtualWildcardMatcher
```

Inheritance

object ← DefaultWildcardMatcher

Implements

IVirtualWildcardMatcher

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Properties

Count

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

Property Value

int

Patterns

```
public IEnumerable<string> Patterns { get; }
```

Property Value

IEnumerable<string>

WildcardDictionary

```
public ReadOnlyDictionary<string, string> WildcardDictionary { get; }
```

Property Value

ReadOnlyDictionary<string, string>

Wildcards

```
public IEnumerable<string> Wildcards { get; }
```

Property Value

IEnumerable<string>

Methods

PatternMatcher(string, string)

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

Parameters

`nodeName` string

`pattern` string

Returns

bool

Class PowerShellWildcardMatcher

Namespace: AkiraNetwork.VirtualStorageLibrary.WildcardMatchers

Assembly: VirtualStorageLibrary.dll

```
public class PowerShellWildcardMatcher : IVirtualWildcardMatcher
```

Inheritance

object ← PowerShellWildcardMatcher

Implements

IVirtualWildcardMatcher

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Extension Methods

VirtualTextFormatter.GenerateSingleTableDebugText<T>(T)

Properties

Count

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

Property Value

int

Patterns

```
public IEnumerable<string> Patterns { get; }
```

Property Value

IEnumerable<string>

WildcardDictionary

```
public ReadOnlyDictionary<string, string> WildcardDictionary { get; }
```

Property Value

ReadOnlyDictionary<string, string>

Wildcards

```
public IEnumerable<string> Wildcards { get; }
```

Property Value

IEnumerable<string>

Methods

PatternMatcher(string, string)

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

Parameters

`nodeName` string

`pattern` string

Returns

bool