Namespace LlamaLogic.ValveDataFormat

Classes

VdfKeyValuePair

Represents a key-value pair in a VDF document

VdfNode

Represents a node in a VDF document

VdfSection

Represents a section in a VDF document

Class VdfKeyValuePair

Namespace: LlamaLogic.ValveDataFormat

Assembly: LlamaLogic.ValveDataFormat.dll

Represents a key-value pair in a VDF document

```
public sealed class VdfKeyValuePair : VdfNode, IEquatable<VdfNode>,
IEquatable<VdfKeyValuePair>
```

Inheritance

object ← VdfNode ← VdfKeyValuePair

Implements

IEquatable<VdfNode>, IEquatable<VdfKeyValuePair>

Inherited Members

VdfNode.Deserialize(StreamReader) , VdfNode.DeserializeAsync(StreamReader) , VdfNode.Parse(string) , VdfNode.TryParse(string, out IReadOnlyList<VdfNode>) , VdfNode.TrailingComment , VdfNode.Serialize(StreamWriter) , VdfNode.SerializeAsync(StreamWriter) , VdfNode.ToString() , object.Equals(object, object) , object.GetType() , object.ReferenceEquals(object, object)

Constructors

VdfKeyValuePair()

Represents a key-value pair in a VDF document

```
public VdfKeyValuePair()
```

Properties

Key

Gets/sets the key of the key-value pair

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

Property Value

string

KeyTrailingComment

Gets/sets the comment following the key

```
public string? KeyTrailingComment { get; set; }
```

Property Value

string

Value

Gets/sets the value of the key-value pair

```
public object Value { get; set; }
```

Property Value

object

Methods

Equals(VdfKeyValuePair?)

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

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

Parameters

`other` VdfKeyValuePair

An object to compare with this object.

Returns

bool

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

Equals(VdfNode?)

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

```
public override bool Equals(VdfNode? other)
```

Parameters

`other` VdfNode

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.

Operators

operator ==(VdfKeyValuePair?, VdfKeyValuePair?)

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

Parameters

`left` VdfKeyValuePair

`right` VdfKeyValuePair

Returns

bool

operator !=(VdfKeyValuePair?, VdfKeyValuePair?)

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

Parameters

`left` VdfKeyValuePair

`right` VdfKeyValuePair

Returns

bool

Class VdfNode

Namespace: LlamaLogic.ValveDataFormat

Assembly: LlamaLogic.ValveDataFormat.dll

Represents a node in a VDF document

```
public class VdfNode : IEquatable<VdfNode>
```

Inheritance

object ← VdfNode

Implements

IEquatable<VdfNode>

Derived

VdfKeyValuePair, VdfSection

Inherited Members

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

Properties

TrailingComment

Gets/sets the comment which will follow the VdfNode

```
public string? TrailingComment { get; set; }
```

Property Value

string

Methods

Deserialize(StreamReader)

Deserializes a list of VdfNode from a specified `reader`

```
public static IReadOnlyList<VdfNode> Deserialize(StreamReader reader)
```

Parameters

`reader` StreamReader

Returns

IReadOnlyList<VdfNode>

DeserializeAsync(StreamReader)

Deserializes a list of VdfNode from a specified `reader` asynchronously

```
public static Task<IReadOnlyList<VdfNode>> DeserializeAsync(StreamReader reader)
```

Parameters

`reader` StreamReader

Returns

Task<IReadOnlyList<VdfNode>>

Equals(VdfNode?)

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

```
public virtual bool Equals(VdfNode? other)
```

Parameters

`other` VdfNode

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.

Parse(string)

Parses a list of VdfNode from a specified string

```
public static IReadOnlyList<VdfNode> Parse(string s)
```

Parameters

`s` string

The string to parse

Returns

IReadOnlyList<VdfNode>

Serialize(StreamWriter)

Serializes this VdfNode to the specified `writer`

```
public void Serialize(StreamWriter writer)
```

Parameters

`writer` StreamWriter

SerializeAsync(StreamWriter)

Serializes this VdfNode to the specified `writer` asynchronously

```
public ValueTask SerializeAsync(StreamWriter writer)
```

Parameters

`writer` StreamWriter

Returns

ValueTask

ToString()

Returns a string that represents the current object.

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

Returns

string

A string that represents the current object.

TryParse(string?, out IReadOnlyList<VdfNode>)

Tries to parse a list of VdfNode from a specified string

```
public static bool TryParse(string? s, out IReadOnlyList<VdfNode> result)
```

Parameters

`s` string

The string to parse

`result` IReadOnlyList<VdfNode>

The list of VdfNode if `s` was successfully parsed

Returns

bool

true if `s` was successfully parsed; otherwise, false

Operators

operator ==(VdfNode?, VdfNode?)

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

Parameters

`left` VdfNode

`right` VdfNode

Returns

bool

operator !=(VdfNode?, VdfNode?)

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

Parameters

`left` VdfNode

`right` VdfNode

Returns

bool

Class VdfSection

Namespace: LlamaLogic.ValveDataFormat

Assembly: LlamaLogic.ValveDataFormat.dll

Represents a section in a VDF document

```
public sealed class VdfSection : VdfNode, IEquatable<VdfNode>, IEquatable<VdfSection>
```

Inheritance

object ← VdfNode ← VdfSection

Implements

IEquatable<VdfNode>, IEquatable<VdfSection>

Inherited Members

VdfNode.Deserialize(StreamReader) , VdfNode.DeserializeAsync(StreamReader) , VdfNode.Parse(string) , VdfNode.TryParse(string, out IReadOnlyList<VdfNode>) , VdfNode.TrailingComment , VdfNode.Serialize(StreamWriter) , VdfNode.SerializeAsync(StreamWriter) , VdfNode.ToString() , object.Equals(object, object) , object.GetType() , object.ReferenceEquals(object, object)

Properties

this[int]

Gets/sets Value of the VdfKeyValuePair at the specified `index` of the section

```
public object this[int index] { get; set; }
```

Parameters

`index` int

Property Value

object

this[string]

Gets/sets Value of the VdfKeyValuePair with the specified `key`

```
public object this[string key] { get; set; }
```

Parameters

`key` string

Property Value

object

Nodes

Gets the list of VdfNode in the VdfSection

```
public IList<VdfNode> Nodes { get; }
```

Property Value

IList<VdfNode>

OpeningTrailingComment

Gets/sets the comment following the opening character ('{') of the section

```
public string? OpeningTrailingComment { get; set; }
```

Property Value

string

Methods

Equals(VdfNode?)

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

```
public override bool Equals(VdfNode? other)
```

Parameters

`other` VdfNode

An object to compare with this object.

Returns

bool

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

Equals(VdfSection?)

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

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

Parameters

`other` VdfSection

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.

Operators

operator ==(VdfSection?, VdfSection?)

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

Parameters

`left` VdfSection

`right` VdfSection

Returns

bool

operator !=(VdfSection?, VdfSection?)

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

Parameters

`left` VdfSection

`right` VdfSection

Returns

bool