

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](#)