



WiX managed SDK

WixToolset.Data.WindowsInstaller namespace

Row Class

# Row Class

Row containing data for a table.

## Methods

Method	Description
<code>BestEffortSetField(field, value)</code>	Sets the value of a particular field in the row without validating.
<code>CopyTo(target)</code>	Copies this row to the target row.
<code>FieldAsInteger()</code>	Gets the field as an integer.
<code>FieldAsNullableInteger()</code>	Gets the field as an integer that could be null.
<code>FieldAsString()</code>	Gets the field as a string.
<code>GetKey()</code>	Get the value used to represent the row in a keyed row collection.
<code>GetPrimaryKey(delimiter)</code>	Get the primary key of this row.

Method	Description
<code>GetPrimaryKey(delimiter, nullReplacement)</code>	Get the primary key of this row.
<code>IsColumnEmpty(field)</code>	Returns true if the specified field is null or an empty string.
<code>IsColumnNull(field)</code>	Returns true if the specified field is null.
<code>IsIdentical(row)</code>	Tests if the passed in row is identical.
<code>ToString()</code>	Returns a string representation of the Row.

## Properties

Property	Description
<code>Fields</code>	Gets the fields contained by this row.
<code>Item</code>	Gets or sets the value of a particular field in the row.
<code>Number</code>	Gets the unique number for the row.
<code>Operation</code>	Gets or sets the row transform operation.
<code>SourceLineNumbers</code>	Gets the source file and line number for the row.

Property	Description
<code>Table</code>	Gets the table this row belongs to.
<code>TableDefinition</code>	Gets the table definition for this row.

WixToolset.Data.dll version 4.0.2+644ed0118bae1aa885bb6cc906dc6c0b904de4d9

## BestEffortSetField(field, value) Method

Sets the value of a particular field in the row without validating.

### Declaration

```
public bool BestEffortSetField(  
    int field,  
    System.Object value  
)
```

### Parameters

Parameter	Type	Description
field	int	field index.

Parameter	Type	Description
value	System.Object	Value of a field in the row.

## Return value

`bool` True if successful, false if validation failed.

## CopyTo(target) Method

Copies this row to the target row.

## Declaration

```
public void CopyTo(  
    Row target  
)
```

## Parameters

Parameter	Type	Description
target	Row	Row to copy data to.

## FieldAsInteger() Method

Gets the field as an integer.

### Declaration

```
public int FieldAsInteger()
```

### Return value

`int` Field's data as an integer.

## FieldAsNullableInteger() Method

Gets the field as an integer that could be null.

### Declaration

```
public System.Nullable<System.Int32> FieldAsNullableInteger()
```

### Return value

`System.Nullable<System.Int32>` Field's data as an integer that could be null.

## FieldAsString() Method

Gets the field as a string.

### Declaration

```
public string FieldAsString()
```

### Return value

`string` Field's data as a string.

## GetKey() Method

Get the value used to represent the row in a keyed row collection.

### Declaration

```
public string GetKey()
```

### Return value

`string` Primary key or row number if no primary key is available.

# GetPrimaryKey(delimiter) Method

Get the primary key of this row.

## Declaration

```
public string GetPrimaryKey(  
    System.Char delimiter  
)
```

## Parameters

Parameter	Type	Description
delimiter	System.Char	Delimiter character for multiple column primary keys.

## Return value

`string` The primary key or null if the row's table has no primary key columns.

# GetPrimaryKey(delimiter, nullReplacement) Method

Get the primary key of this row.

## Declaration

```
public string GetPrimaryKey(  
    System.Char delimiter,  
    string nullReplacement  
)
```

## Parameters

Parameter	Type	Description
delimiter	System.Char	Delimiter character for multiple column primary keys.
nullReplacement	string	String to represent null values in the primary key.

## Return value

`string` The primary key or null if the row's table has no primary key columns.

## IsColumnEmpty(field) Method

Returns true if the specified field is null or an empty string.

## Declaration



```
public bool IsColumnEmpty(  
    int field  
)
```

## Parameters

Parameter	Type	Description
field	int	Index of the field to check.

## Return value

`bool` true if the specified field is null or an empty string, false otherwise.

## IsColumnNull(field) Method

Returns true if the specified field is null.

## Declaration

```
public bool IsColumnNull(  
    int field  
)
```

## Parameters

Parameter	Type	Description
field	int	Index of the field to check.

## Return value

`bool` true if the specified field is null, false otherwise.

# IsIdentical(row) Method

Tests if the passed in row is identical.

## Declaration

```
public bool IsIdentical(  
    Row row  
)
```

## Parameters

Parameter	Type	Description
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Parameter	Type	Description
row	Row	Row to compare against.

## Return value

`bool` True if two rows are identical.

## ToString() Method

Returns a string representation of the Row.

## Declaration

```
public string ToString()
```

## Return value

`string` A string representation of the Row.

## Fields Property

Gets the fields contained by this row.

## Declaration

```
public Field[] Fields { get; set; }
```

## Item Property

Gets or sets the value of a particular field in the row.

## Declaration

```
public System.Object Item[  
    int field  
] { get; set; }
```

## Parameters

Parameter	Type	Description
field	int	field index.

## Number Property

Gets the unique number for the row.

## Declaration

```
public System.Int64 Number { get; set; }
```

## Operation Property

Gets or sets the row transform operation.

## Declaration

```
public RowOperation Operation { get; set; }
```

## SourceLineNumbers Property

Gets the source file and line number for the row.

## Declaration

```
public WixToolset.Data.SourceLineNumber SourceLineNumbers { get; set; }
```

## Table Property

Gets the table this row belongs to.

## Declaration

```
public Table Table { get; set; }
```

## TableDefinition Property

Gets the table definition for this row.

## Declaration

```
public TableDefinition TableDefinition { get; set; }
```

## Remarks

A Row always has a TableDefinition, even if the Row does not belong to a Table.