



WiX managed SDK

WixToolset.Data.WindowsInstaller namespace

TableDefinition Class

# TableDefinition Class

Definition of a table in a database.

## Methods

Method	Description
<code>CompareTo(updated)</code>	Compares this table definition to another table definition.
<code>CreateRow(sourceLineNumbers)</code>	In general this method shouldn't be used - create rows from a Table instead. Creates a new row object of the type specified in this definition.

## Properties

Property	Description
<code>Columns</code>	Gets the collection of column definitions for this table.
<code>Item</code>	Gets the column definition in the table by index.

Property	Description
Name	Gets the name of the table.
SymbolDefinition	Gets the symbol definition associated with this table.
SymbolIdsPrimaryKey	Gets if the primary key is the id of the symbol definition associated with this table.
Unreal	Gets if the table is unreal.

## Fields

Field	Description
MaxColumnsInRealTable	Tracks the maximum number of columns supported in a real table. This is a Windows Installer limitation.

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## CompareTo(updated) Method

Compares this table definition to another table definition.

## Declaration

```
public int CompareTo(  
    TableDefinition updated  
)
```

## Parameters

Parameter	Type	Description
updated	TableDefinition	The updated to compare with this target definition.

## Return value

`int` 0 if the tables' core properties are the same; otherwise, non-0.

## Remarks

Only Windows Installer traits are compared, allowing for updates to WiX-specific table definitions.

## CreateRow(sourceLineNumbers) Method

In general this method shouldn't be used - create rows from a Table instead. Creates a new row object of the type specified in this definition.

## Declaration

```
public Row CreateRow(  
    WixToolset.Data.SourceLineNumber sourceLineNumbers  
)
```

## Parameters

Parameter	Type	Description
sourceLineNumbers	WixToolset.Data.SourceLineNumber	Original source lines for this row.

## Return value

Row Created row.

## Columns Property

Gets the collection of column definitions for this table.

## Declaration

```
public ColumnDefinition[] Columns { get; set; }
```

# Item Property

Gets the column definition in the table by index.

## Declaration

```
public ColumnDefinition Item[  
    int columnIndex  
] { get; set; }
```

## Parameters

Parameter	Type	Description
columnIndex	int	Index of column to locate.

# Name Property

Gets the name of the table.

## Declaration

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

## SymbolDefinition Property

Gets the symbol definition associated with this table.

### Declaration

```
public WixToolset.Data.IntermediateSymbolDefinition SymbolDefinition { get; set; }
```

## SymbolIdIsPrimaryKey Property

Gets if the primary key is the id of the symbol definition associated with this table.

### Declaration

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

## Unreal Property

Gets if the table is unreal.

### Declaration

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