

Importing a Single Row of Data

Intro

This guide will explain how to import a single row of values into a PowerPoint presentation using data markers. This assumes a basic understanding of [data markers](#).

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Setting up the Template

The template file should contain data markers following proper data marker syntax. Each copy of a given data marker will be populated with the same value. If the data marker appears in a table row or list entry, nothing will be automatically repeated if only one row is imported.

Binding Data

PowerPointTemplate has a single method for binding data to the data markers that are located in the template: [PowerPointTemplate.BindData](#). Depending on the data source type and the number of rows in the data source, PowerPointWriter will either import a single row of data or [import multiple rows](#).

There are several ways to import a single row of data into a presentation:

1. Use a single dimensional array
2. Use a multi-dimensional data source AND
 - a. The data source only has one row of data
 - b. [DataBindingProperties.MaxRowsToImport](#) is set to 1

Single Dimensional Arrays

Arrays don't have built-in means to store column names. The user must specify the column names in a string array that is passed to {{PowerPointTemplate.BindData}} at run time.

```
PowerPointTemplate pptt = new PowerPointTemplate();
pptt.Open(@"C:\DataBinding\ArrayBindingTemplate.pptx");

string[] values = {"Hello World", "subtitle"};
string[] colNames = {"header", "subtitle"};
DataBindingProperties DataProps = pptt.CreateDataBindingProperties();

pptt.BindData(values, colNames, "DataSource1", DataProps);
pptt.Process();
pptt.Save(Page.Response,
    "ArrayBinding.pptx",
    false);
```

```

Dim pptt As New PowerPointTemplate();
pptt.Open("C:\DataBinding\ArrayBindingTemplate.pptx")

Dim values = New String() {"Hello World", "subtitle"}
Dim colNames = New String() {"header", "subtitle"}

Dim DataProps As DataBindingProperties = pptt.CreateDataBindingProperties()
pptt.BindData(values, colNames, "DataSource1", DataProps)
pptt.Process()
pptt.Save(Page.Reponse, "ArrayBinding.pptx", False)

```

Multi-dimensional data sources

If a multi-dimensional data source has only one row of data, the automatic repeating behavior will not occur. This is consistent for any of the multi-dimensional data sources supported by [BindData](#):

- Jagged and multi-dimensional arrays
- Custom objects (IEnumerable<T>)
- System.IDataReader and System.DataTable

Setting MaxRowsToImport to 1

MaxRowsToImport is a property on the [DataBindingProperties](#) object that can be used to limit the number of rows that are imported, regardless of how many rows are actually in the data source.

```

DataBindingProperties dataProps = ppt.CreateDataBindingProperties();
dataProps.MaxRowsToImport = 1;
ppt.BindData(getDataTable(), "DataSourceName", dataProps);

```