

# Passing between Template and Application

[PowerPointTemplate](#) provides an intuitive high-performance way to import database values to a presentation, but cannot otherwise modify a presentation at runtime. The [PowerPointApplication](#) object model allows you to modify additional aspects of the presentation at runtime. You can take advantage of the features of both PowerPointApplication and PowerPointTemplate by using them together. For example, you can use PowerPointTemplate to open and populate a PowerPointWriter template, then pass the populated presentation to PowerPointApplication to modify document properties.

## PowerPointTemplate to PowerPointApplication

To pass a presentation from PowerPointTemplate to PowerPointApplication, do not call [PowerPointTemplate.Save](#). Instead, pass the PowerPointTemplate object to PowerPointApplication's [Open](#) method:

```
PowerPointTemplate pptt = new PowerPointTemplate();
pptt.Open(templatePath);
pptt.BindData(valuesArray, colNamesArray, "DataSourceName",
pptt.CreateDataBindingProperties());
pptt.Process();

//--- Create an instance of PowerPointApplication and
//--- open the presentation you created with PowerPointTemplate.
//--- The presentation will be returned as a Presentation
//--- object.
PowerPointApplication ppta = new PowerPointApplication();
Presentation pres = ppta.Open(pptt);
```

```
Dim pptt As PowerPointTemplate = new PowerPointTemplate();
pptt.Open(templatePath);
pptt.BindData(valuesArray, colNamesArray, "DataSourceName",
pptt.CreateDataBindingProperties());
pptt.Process();

//--- Create an instance of PowerPointApplication and
//--- open the presentation you created with PowerPointTemplate.
//--- The presentation will be returned as a Presentation
//--- object.
Dim ppta As PowerPointApplication = new PowerPointApplication();
Dim pres As Presentation = ppta.Open(pptt);
```

## PowerPointApplication to PowerPointTemplate

To pass a presentation from PowerPointApplication to PowerPointTemplate, do not call [PowerPointApplication.Save](#). Instead, pass the [PowerPointApplication](#) object, along with the [Presentation](#) object that you want to populate, to PowerPointTemplate's [Open](#) method:

```
PowerPointApplication ppta = new PowerPointApplication();
Presentation present = ppta.Open("StartingFile.pptx");

//--- Code modifying and customizing the presentation here

PowerPointTemplate ppt = new PowerPointTemplate();
ppt.Open(ppta, present);
```

```
Dim ppta As PowerPointApplication = new PowerPointApplication();  
Dim present As Presentation = ppta.Open("StartingFile.pptx");
```

```
//--- Code modifying and customizing the presentation here
```

```
Dim ppt As PowerPointTemplate = new PowerPointTemplate();  
ppt.Open(ppta, present);
```