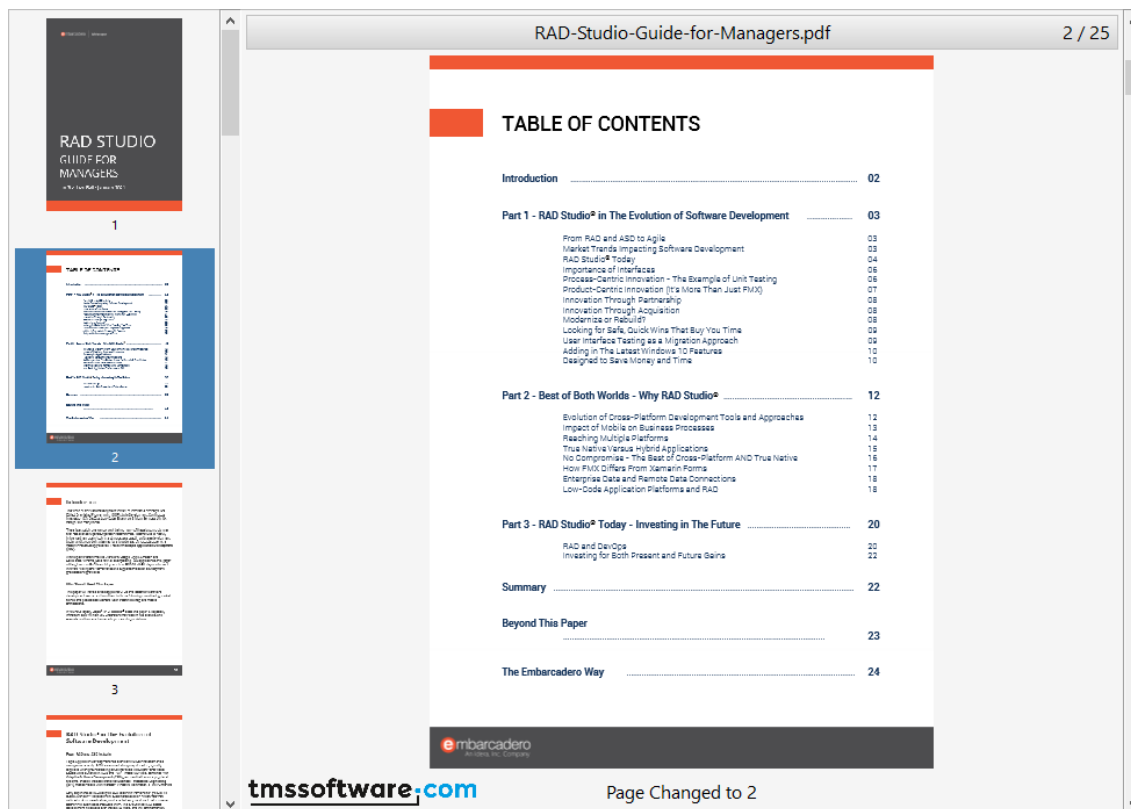# TAdvPDFViewer

TAdvPDFViewer is a native Windows high performance PDF document viewer component capable of rendering high quality pages.

Features

- Load & View PDF documents
- Optional thumbnail list
- Optional header, footer & page number
- 3 modes: single page, double page & continuous scrolling
- Various events for custom drawing
- Keyboard & mouse interaction
- Automatically loads PDF files when being dropped

Loading a PDF document

We start by dropping a TAdvPDFViewer instance on the form. The initial view shows an empty square, with an optional header & footer.
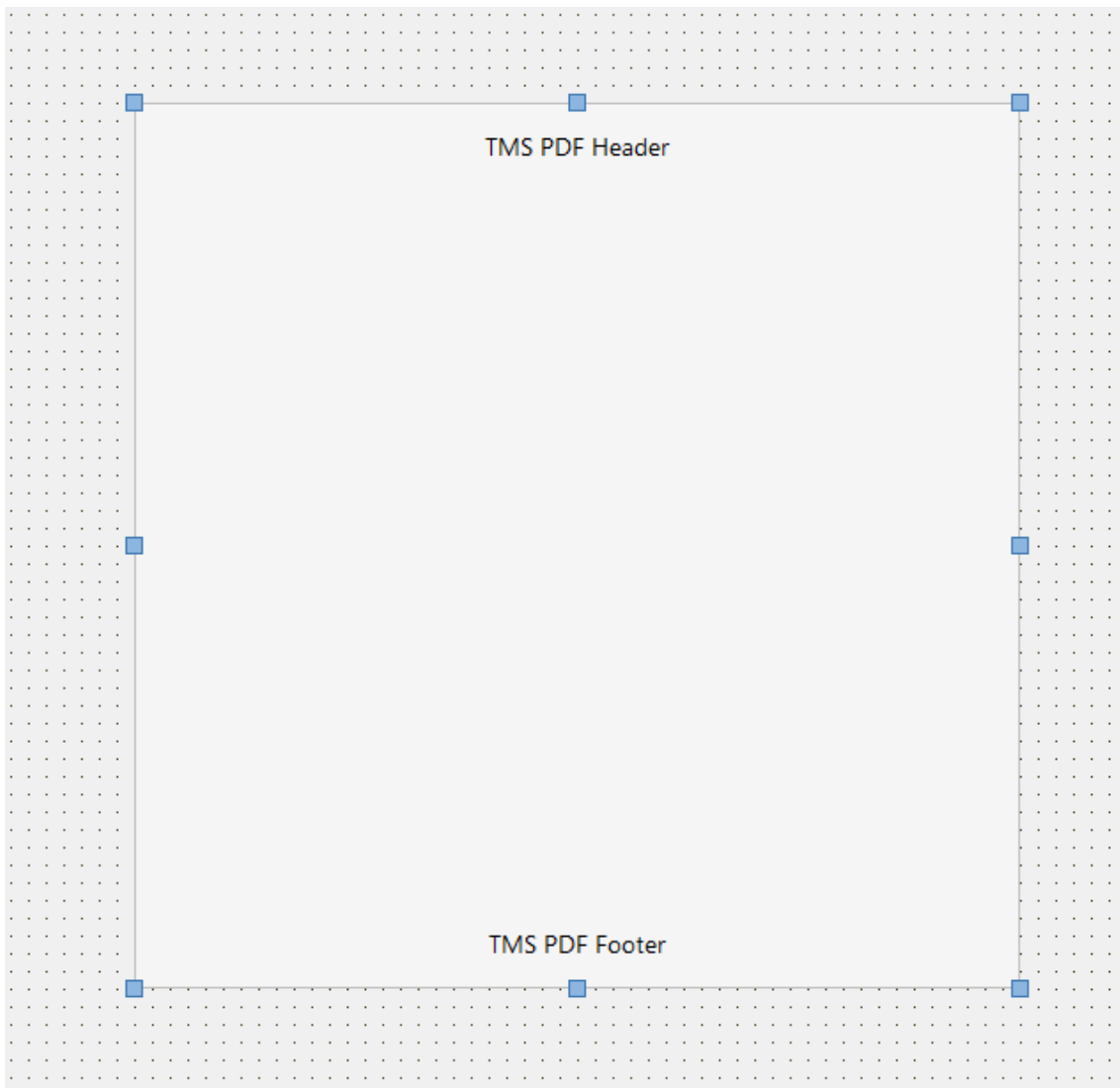
Afterwards, we set the FileName property, to start loading our PDF document.

```
procedure TForm1.FormCreate(Sender: TObject);
begin
  AdvPDFViewer1.FileName := 'C:\MyPath\RAD-Studio-Guide-for-Managers.pdf';
end;
```

The FileName needs to point to a full absolute path

After the PDF document is loaded, the OnLoaded event is triggered. Loading a PDF happens asynchronously. Note that only the visible page will be loaded and rendered. When scrolling in the PDF, or through the thumbnails, additional pages will be loaded. This means that there will be a small delay rendering the page until it is loaded.

Navigation

Navigating the PDF document after it's loaded is possible with the mouse, keyboard as well as programmatically. The PageIndex property allows you to changing the active page. The arrow keys, mouse wheel scrolling will allow you to

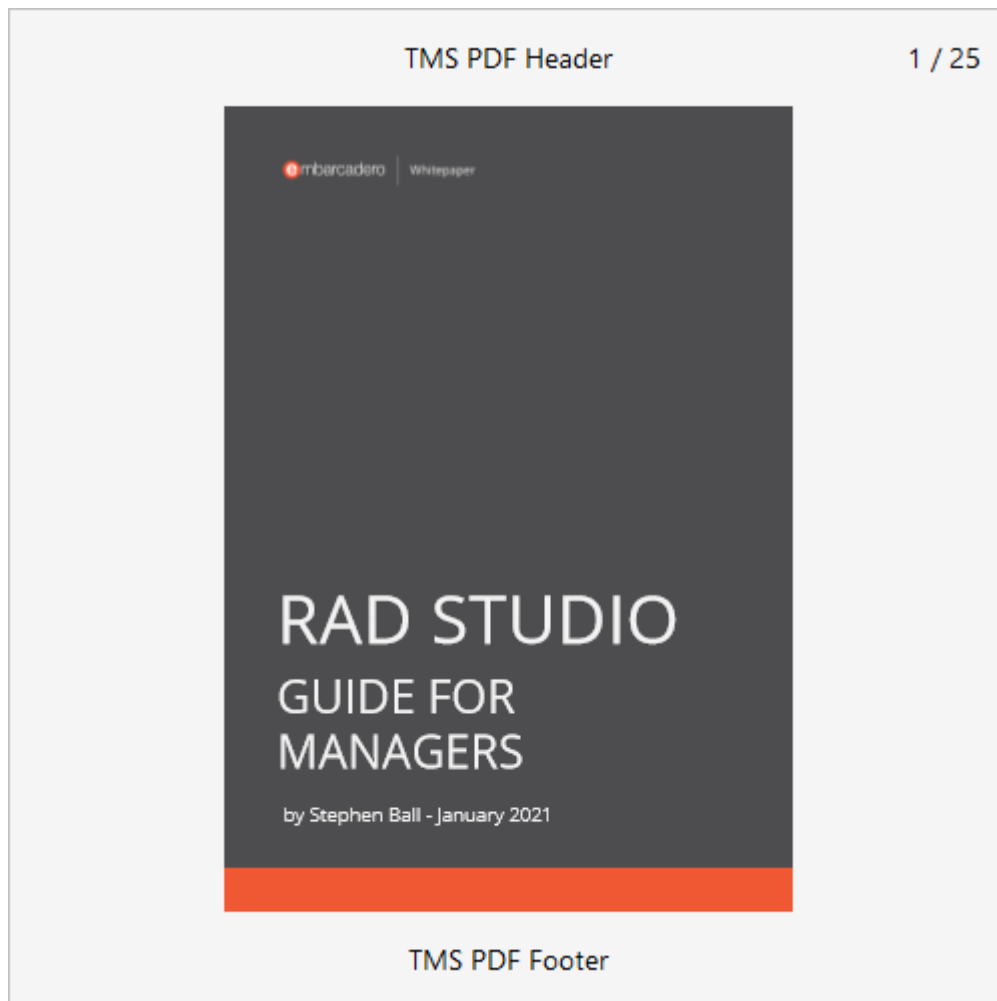navigate the PDF document while viewing it. Additionally, in continuous scrolling mode, a scrollbar is visible to scroll through the pages.

Modes

TAdvPDFViewer is capable of rendering the pages in 3 different modes.

Single Page

In this mode, there is only one page visible. It also limits the scrolling behaviour to per page.


```
AdvPDFViewer1.Options.DisplayMode := dmSinglePage;
```

Double Page

In double page mode, 2 pages will be displayed at the same time. The PageIndex determines the page on the left, the next page (PageIndex + 1), if it exist, will be rendered on the right side. Scrolling through the pages in mode will be depending on the Options.ScrollMode property as well as the amount of pages. As soon as the first page is no longer the active page, TAdvPDFViewer will scroll 2 pages at a time.

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```
AdvPDFViewer1.Options.DisplayMode := dmDoublePage;
```

Continuous Scrolling

In this mode, pages are rendered from top to bottom in a continuous flow. A scrollbar is displayed for easy navigation, but as in the previous 2 modes, the PageIndex property, mouse & keyboard interaction also allows to navigate.

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```
AdvPDFViewer1.Options.DisplayMode := dmContinuousTopToBottom;
```

Thumbnails

By default, thumbnails are not visible. With the Thumbnails property under Options, it's possible to render a small version of each page, in a scrollable list on the left side of the view. The navigation of the PDF will synchronize the thumbnails index and vice versa.

```
AdvPDFViewer1.Options.Thumbnails := True;
```
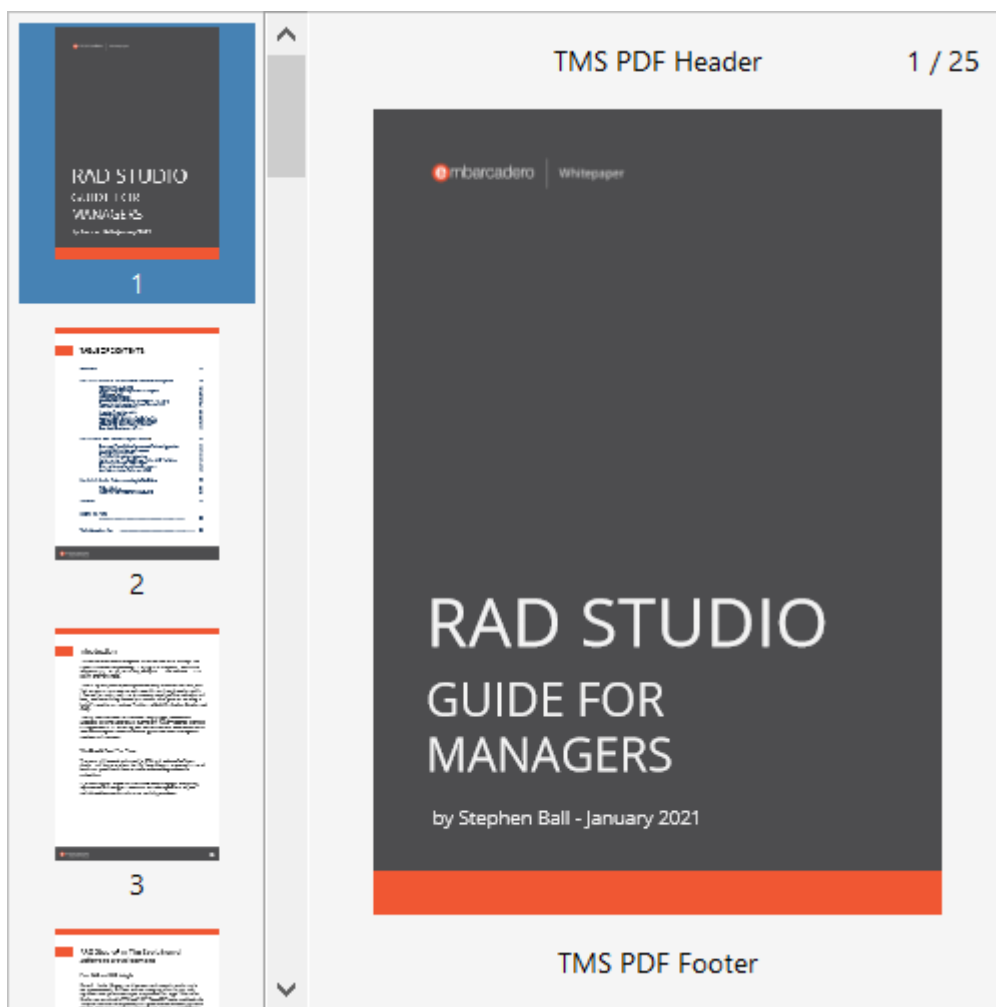
Options

The Options property holds a list of all available properties that can be used to configure TAdvPDFViewer.

Property name	Description
AllowDropFiles	Enables dropping and loading a PDF file from Windows explorer
DefaultThumbnail	The default thumbnail image before the actual thumbnail page is loaded
DisplayMode	The display mode of the pages
Footer*	The various properties for configuring the footer text
Header*	The various properties for configuring the header text
PageMargins	The various properties for configuring the page display rectangle
PageNumber*	The various properties for configuring the page number
PageScrollMode	The various properties for configuring the way pages are scrolled

Thumbnail*	The various properties for configuring the way thumbnails are displayed
TouchScrolling	Enables or disables touch scrolling for navigating through the pages in continuous scrolling mode
WaitCursor	Shows a wait cursor when loading the document, pages or thumbnails

Methods & Properties

Method name	Description
NextPage	Navigates to the next page
PreviousPage	Navigates to the previous page
LastPage	Navigates to the last page
FirstPage	Navigates to the first page
SavePageToImageFile	Saves the page to a bitmap file
SavePageToImageStream	Saves the page to a bitmap stream
PageCount	Returns the page count of the document

Events

Event name	Description
OnAfterDrawFooter	Event triggered after the footer is drawn
OnAfterDrawHeader	Event triggered after the header is drawn
OnAfterDrawPage	Event triggered after the page is drawn
OnAfterDrawPageNumber	Event triggered after the page number is drawn
OnAfterDrawThumbnail	Event triggered after the thumbnail is drawn
OnBeforeDrawFooter	Event triggered before the footer is drawn
OnBeforeDrawHeader	Event triggered before the header is drawn
OnBeforeDrawPage	Event triggered before the page is drawn
OnBeforeDrawPageNumber	Event triggered before the page number is drawn
OnBeforeDrawThumbnail	Event triggered before the thumbnail is drawn
OnLoaded	Event triggered after the PDF document is loaded
OnPageChanged	Event triggered when the active page index has changed
OnPageLoaded	Event triggered when a specific page has loaded