

DX PDF-Viewer

A minimalist, elegant PDF viewer for Windows
Developed with Embarcadero Delphi FireMonkey (FMX)

Features

Feature	Description
 PDF Display	Displays PDF files filling the main window
 Drag & Drop	Drag PDF files directly into the window
 Command Line	Opens PDF files directly at startup via parameters
 Minimalist	Clean design without unnecessary features
 Fast	Native Windows performance with TWebBrowser

Usage

Opening PDF Files

There are **three simple ways** to open a PDF file:

1 Drag & Drop

Simply drag a PDF file onto the application window.

2 Command Line

```
DxPdfViewer.exe "C:\Path\to\File.pdf"
```

3 File Association

Associate `.pdf` files with DxPdfViewer.exe in Windows Explorer.

Testing with the Demo PDF

The project includes a `readme.pdf` (this file) that you can use for testing:

```

# ⚙ Simple with starter script
run-demo.bat

# 🛠 or with PowerShell
.\run-demo.ps1

# 🛡 or manually
win32\Debug\DXPdfViewer.exe readme.pdf

```

Demo Features:

- Formatted text with Markdown styling
- Tables and lists
- Code blocks
- Emojis and symbols

🔧 Technical Details

Component	Details
🎯 Framework	Delphi FireMonkey (FMX)
📊 PDF Rendering	TWebBrowser component
💻 Platform	Windows (Win32/Win64)
🛠 Delphi Version	Delphi 12 (Athens)
📦 Dependencies	No external libraries required

Note: PDF display uses the built-in Windows PDF viewer via the TWebBrowser component.

📁 Project Structure

```

DX-PDFViewer/
├── DxPdfViewer.dpr          # Main program file
├── DxPdfViewer.dproj         # Delphi project file
├── Main.Form.pas             # Main form (code)
└── Main.Form.fmx             # Main form (design)

├── readme.pdf                # Demo PDF (this file as PDF)
└── README.md                  # This file (Markdown)

├── run-demo.bat               # Starter script (Batch)
└── run-demo.ps1               # Starter script (PowerShell)

```

```
├── .gitignore          # Git ignore file
├── .gitattributes      # Git attributes file
└── win32/              # Build output
    └── Debug/
        ├── DxPdfViewer.exe # Compiled application
        └── dcu/            # Delphi Compiled units
```

Compilation

With MSBuild (Command Line)

```
# Set Delphi environment
$env:BDS='C:\Program Files (x86)\Embarcadero\Studio\23.0'

# Compile project
msbuild DxPdfViewer.dproj /p:Config=Debug /p:Platform=Win32
```

Output: `win32\Debug\DxPdfViewer.exe`

With Delphi IDE

Step	Action
1	Open <code>DxPdfViewer.dproj</code> in Delphi 12
2	Select the desired platform (Win32/Win64)
3	Press F9 to compile and run

Output Paths

The project follows the **recommended Delphi schema**:

Type	Path	Example
 Executable	<code>\$(Platform)\\$(Config)</code>	<code>Win32\Debug</code>
 DCU Files	<code>\$(Platform)\\$(Config)\dcu</code>	<code>Win32\Debug\dcu</code>

This enables clean separation between platforms and configurations.

Coding Standards

This project follows the [Delphi Style Guide](#)

Naming Conventions

Element	Format	Example
 Classes	<code>T</code> + PascalCase	<code>TMainForm</code>
 Local Variables	<code>L</code> + PascalCase	<code>LFilePath</code>
 Fields	<code>F</code> + PascalCase	<code>FCurrentPdfPath</code>
 Methods	PascalCase	<code>LoadPdfFile</code>
 Constants	<code>C_</code> + UPPER_SNAKE	<code>C_MAX_SIZE</code>

Formatting

Rule	Value
 Indentation	2 spaces
 Line Length	Max. 120 characters
 File Encoding	UTF-8 (without BOM for .pas)
 Line Endings	CRLF (Windows standard)

License

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Development

Developed with:

-  [Augment Code](#) - AI-Powered Development
 -  Embarcadero Delphi 12 Athens
 -  FireMonkey (FMX) Framework
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Links

-  [Delphi Style Guide](#)
 -  [Embarcadero Delphi](#)
 -  [FireMonkey Documentation](#)
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Made with ❤️ and Delphi

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