

BULKPDF BUSINESS

DOCUMENTATION



VERSION
2023.08.14.0943

BULKPDF.DE

COPYRIGHT ©2023 TADELSUCHT UG (LIMITED LIABILITY)

1 Introduction	5
1.1 What is BulkPDF and how does it work?	5
1.2 Functions	6
1.3 Requirements	9
1.3.1 System	9
1.3.2 Data Source - Spreadsheet File	9
1.3.3 Data Source - Microsoft SQL Server	10
1.3.4 Data Source - Microsoft Access	10
1.3.5 JSON	11
1.3.6 XML	11
1.3.7 Data Source - MySQL / MariaDB Server	12
1.3.8 PDF form	12
1.4 Standard PDF Form Field Types and Matching Data	13
1.4.1 Text box	13
1.4.2 Check boxes	13
1.4.3 Radio button	14
1.4.4 List box	14
1.4.5 Combo box	14
1.5 BulkPDF Business Special Field Types and Matching Data	15
1.5.1 Hyperlinks	15
1.5.2 Image	15
1.5.3 Attachment	15
1.5.4 Additional buttons for filling in scanned forms	15
1.5.5 Additional "Text Box"	16
1.5.6 Additional "Radio button"	16
1.5.7 Additional "Checkbox button"	16
1.5.8 Bar Codes	16
1.6 Installation & Licensing	17
1.6.1 Graphical Installation	17
1.7 Unattended installation (silent installation)	18
1.7.1 Licensing	19
1.7.2 Multi-User / Terminal Server Licenses	19
2 application scenarios (step-by-step explanation)	20
2.1 Supplied Sample Files	20
2.1.1 Example files in detail	20
2.1.2 Filling out the sample PDF form	22
3 User interface in detail (GUI)	32

3.1 Home	32
3.1.1 Overview	33
3.1.2 License Activation	34
3.1.3 Configuration: Save & Load	35
3.2 Data Sources	36
3.2.1 Overview	36
3.2.2 Excel / Spreadsheet Files	37
3.2.3 Microsoft SQL Server	39
3.2.4 Microsoft SQL Server Custom Query	41
3.2.5 Microsoft Access	42
3.2.6 Microsoft Access Custom Query	44
3.2.7 JSON	45
3.2.8 XML	47
3.2.9 Spreadsheet / Excel (swapped columns and rows)	48
3.2.10 MySQL/MariaDB Server	48
3.2.11 MySQL/MariaDB Server Custom Query	50
3.3 PDF form	51
3.3.1 Overview	52
3.3.2 PDF preview	54
3.3.3 Assignment of data to PDF form fields	55
3.3.4 Textbox & General Field Data Selection	56
3.3.5 Use data source for form field	58
3.3.6 Set constant text for form field	60
3.3.7 Write protection on individual form fields	61
3.3.8 Date formatting for form fields	62
3.3.9 Check boxes	64
3.3.10 Radio Buttons	65
3.3.11 List box	66
3.3.12 Combo box	67
3.3.13 Barcodes in general	67
3.3.14 QR code	68
3.3.15 Hyperlinks	70
3.3.16 picture	71
3.3.17 Attachment	72
3.4 Options	72
3.5 Completion	76
3.6 Email Draft Generator	80
3.7 Miscellaneous	84
3.7.1 Support Window	85

3.7.2 Documentation window	86
3.7.3 Error window (Exception)	87
3.7.4 Font Selection & Font Color Selection	87
3.7.5 Additional functionalities	88
4 Command Line (BulkPDF Business Console)	90
4.1 Parameter List	90
4.2 Outputs from the Console Application	92
5 configuration files	96
5.1 Relative Paths	96
5.2 Sample excerpts from a configuration file	97
5.2.1 Normal Fields	98
5.2.2 Special Fields	99
5.2.3 Global Options	99
5.2.4 Filename Generator	100
5.2.5 Email	102
6 tips and tricks	103
6.1 Create or repair PDF forms with PDFescape	103
6.2 Creating PDF forms with LibreOffice / OpenOffice Writer	103
6.2.1 Text field example (text box)	104
6.2.2 Option field example (radio button)	105
6.2.3 Marking field (check box)	106
6.2.4 List field (list box)	107
6.2.5 Combo box	108
6.3 Create Signature	108
6.4 Date Formatting	108
6.5 Connection String	111
6.6 Simultaneous printing of documents	111
7 Frequently Asked Questions (FAQ)	112
7.1 What are the system requirements of BulkPDF Business?	112
7.2 BulkPDF will not install. [Windows Smart Screen]	112
7.3 Will my files or data be uploaded or left in any way my computer?	113
7.4 Is the program available for Mac OS?	113
7.5 How many users may use a license at the same time the?	113
7.6 On how many computers can a license be used?	113

7.7 I get the following message "The license key is currently being used already used by several devices". What does that mean?	113
7.8 In the PDF preview, the form fields are not in the right place gene position or displayed shifted	114
7.9 No PDF form fields are displayed in BulkPDF Business	114
7.10 Unicode characters in Acrobat Reader are not displayed correctly (Chinese, Cyrillic, Arabic, etc)	114
7.11 Windows keeps opening the wrong PDF viewer or Web browser (Chrome, Edge) to view PDF files	115
7.12 System.InvalidCastException: Could not convert data to boolean . .	116
7.13 System.IndexOutOfRangeException: "Only X radio buttons in group found. Index selected was Y."	116
7.14 System.InvalidOperationException: The 'Microsoft.ACE.OLEDB.12.0' provider is not registered on the local machine.	116
7.15 No data is recognized in the Excel file.	116
7.16 The date field is also specified with 00:00:00. How can that be removed?	116
7.17 I have my data source files (Excel, CSV, etc.) or my PDF file moved. My BulkPDF business is still working configuration file?	117
7.18 When calling the console application via a batch script who the characters, such as German umlauts, are not correctly transferred	117
7.19 Combinations of multiple columns for a field	117
7.20 "Checkbox" or "Radio button" should be in according to Data and Preview be selected in the XFA PDF, but are selected in Acrobat Reader	117
7.21 How can I correct the number format in my generated PDF? It does not keep the format set in the table. How can for example, numbers with two decimal places and a EUR symbol to show at the end?	118

8 references

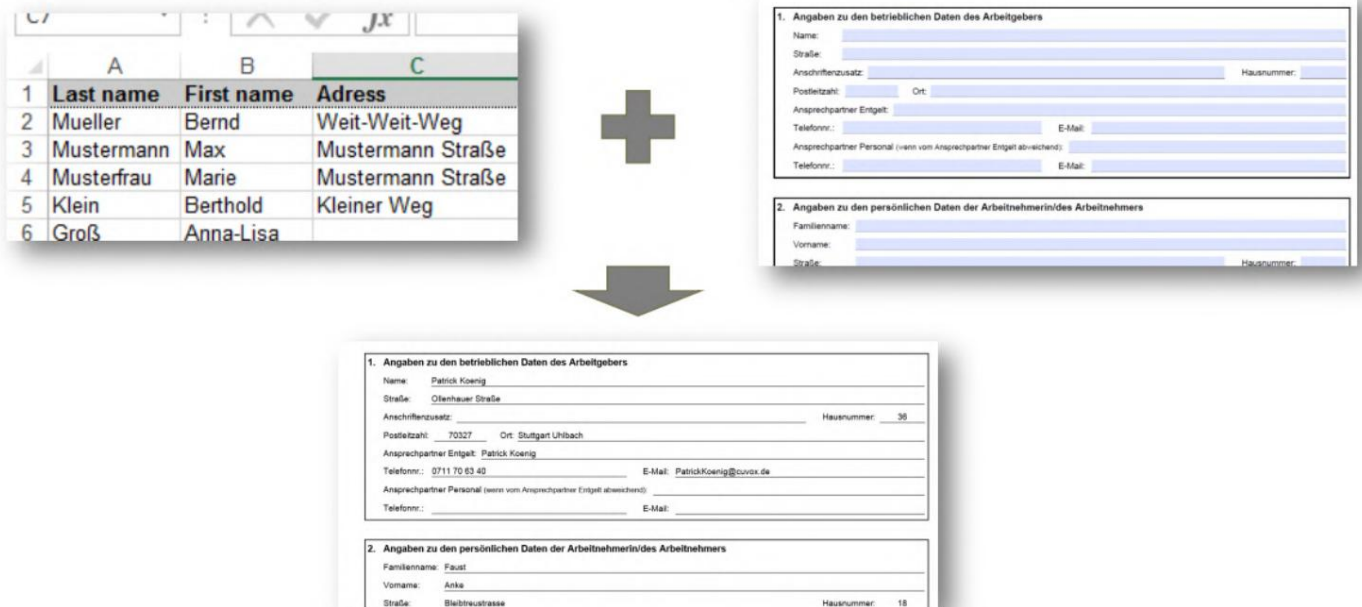
119



Introduction

1.1 What is BulkPDF and how does it work?

In short: BulkPDF automatically recognizes the available data in the selected tabular data source (Excel, SQL - databases, etc.). The Column names found can then be assigned to the form fields manually and/or automatically. After filling has started, goes the software line by line through the table and inserts the cell value into the PDF form. The PDF file will then be with the also from the table drawn file names are saved. As a result, you get a completed PDF form, which is ready to be sent.



1.2 Features

Below is a brief overview and a detailed listing of the program's functions.

Short overview

Easy to use Without expert knowledge, clear and easy to use.

Optimizing for the future Once created, a PDF configuration can quickly be used again.

Data source support Various data sources are supported (For example: Excel, CSV, SQL databases, ...)

Data Protection Without Cloud. Without uploading your data. In compliance with European data protection regulations. Made in Germany.

Updates The program is constantly evolving and adding new features fitted.

Automation in just a few steps

- 1. Select data source

- 2. Assign data to PDF form fields, manually and/or automatically table
- 3. Select file name

Create hundreds of PDF documents at the same time Create any number of completed PDF documents at the same time with one click.

Barcodes Various barcodes are supported. (For example: QR, Data Matrix, PDF417, EAN8, EAN13, Codabar, Code11, Code39, Code93, Code128[A,B,C], GS1-128,UPC)

More functions

- AcroForm and XFA support
- PDF Signatures
- Data-dependent file names
- Write protection
- Images and hyperlinks
- PDF file

Detailed feature listing

- Software License: Proprietary
- Have PDF forms filled out automatically
- No Watermark (Outside the DEMO)
- Unlimited number of PDF files
- Modern clear interface
- Active further development
- Live PDF Preview
- Sign PDF files
- Microsoft Excel
- LibreOffice / OpenOffice

- Microsoft SQL Server
- MySQL / MariaDB
- Dynamic PDF file naming
- PDF compression
- Date formatting
- Pictures
- Hyperlinks
- Email draft generator
- Unidimensional barcodes (Codabar, Code11, Code128A, Code128, Code128B, Code128C, Code39, Code93, CodeUpc, Ean13, Ean8, GS1Code128)
- Bidimensional barcode (Pdf417, DataMatrix_Barcode, QR)
- Documentation: Yes, but still under construction.
- Can be used without internet (offline): Yes, after a one-off online activation.
- Supports BulkPDF Freeware configuration files
- Supports BulkPDF Business configuration files
- Console application (batch script integration)
- Support of different writing systems (Unicode)
- Selection of good-looking fonts for different languages or languages.
Writing systems: In development.
- Custom fonts
- AcroForm
- XFA: Yes, but some XFA documents may not be supported.
- Windows
- Mac OS: No, but usable with a virtual machine (For example: Parallel Desktop, VirtualBox)
- Linux: No, but usable with a virtual machine (For example: VirtualBox)

1.3 Requirements

1.3.1 Systems

Compatible with Windows 7, Windows 8, Windows 10 and Windows 11. There will be approx. 500 MB disk space required for installation. The program requires a one-off internet connection for license activation.

1.3.2 Data Source - Spreadsheet File

In order to be able to use the data in the spreadsheet file, a correct format of the data must be given. The first line always belongs to the column name. These should have a unique and understandable name because they are used in the program to select the desired records. BulkPDF checks the column names until it encounters an empty cell. Therefore, for example, the first line in the first column must not be empty, otherwise no further data can be found. Then the program determines the maximum number of rows in the table. To do this, the program goes through line by line and stops only when a row consists entirely of empty cells.

For example, a valid table might look like this:

First name	surname	address	...
Mueller	Bernd	Far far away	...
Mustermann	Max	Mustermann Street ...	
model woman	Marie	Mustermann Street ...	
...

For another example, the included sample spreadsheet file can be considered (see 2.1.1).

There is also a separate data source for reading spreadsheet files, in which the behavior of columns and rows is reversed so that the following table, for example, can also be used (for more information see section

3.2.9):

First name	Bernd	Max	Marie	...
Last name	Mueller	Mustermann	model woman	...
address	Far-Far-Away	Mustermann Street	Mustermann Street ...	
...

It is worth noting that using Excel functions in the Excel Data Source is supported and provides a useful way to view data

to process and prepare before inserting them into the PDF form field become.

The program supports the following spreadsheet file formats[7]:

File Type	Container Format	File Format	.xlsx	Excel version(s)
OpenXml 2007 and newer	ZIP, CFB, ZIP			
.xlsb	ZIP, CFB		OpenXml 2007 and newer	
.xls	CFB	BIFF8		97, 2000, XP, 2003
				98, 2001, vX, 2004 (Mac)
.xls	CFB	BIFF5		5.0, 95
.xls	-	BIFF4		4.0
.xls	-	BIFF3		3.0
.xls	-	BIFF2		2.0, 2.2
.csv	-	CSV		(All)

1.3.3 Data Source - Microsoft SQL Server

For the use of data from a Microsoft SQL server, there are several variants for data acquisition.

On the one hand, you can choose the option where you simply enter a "connection string" and then automatically all available ones for the respective database tables are displayed. One of these tables can then be selected to act as the data source. See for valid "connection string" examples please refer to Section 6.5 .

The second option is the possibility, next to the "connection string", plain Enter an SQL query that returns the data you want. This Option allows the full functionality of T-SQL on Microsoft SQL Use server for the data source within BulkPDF.

1.3.4 Data Source - Microsoft Access

Several are available for using data from a "Microsoft Access" server Variants for data collection available.

On the one hand, you can choose the option where you simply select a database file (.accdb or .mdb) and then all available tables for the respective database are automatically displayed. From these tables can then one can be selected to act as the data source.

The second option is the ability to enter an SQL query next to the file, which gives you the data you want. This option allows the full Functionality of SQL on the Microsoft Access database for the data source within BulkPDF.

In some cases it may be necessary to download and install missing dependencies such as the "Microsoft Access Database Engine 2010 Redistributable 64 Bit Version", see point 7.14 .

1.3.5 JSON

In order to be able to use the data in a JSON file, the data must be in a specific format. The following JSON structure would be in the complete state e.g. readable in BulkPDF:

```
1  {
2    "table": [
3      {
4        "Last_name": "Mueller",
5        "First_name": "Bernd",
6        "Address": "Far-Far-Away",
7        "Checkbox_Value": "Yes",
8        "Radio_button_value": "2",
9        "Combobox_Value": "Cake"
10     },
11     {
12       "Last_name": "Doe",
13       ...
14       "Combobox_Value": "Test"
15     },
16     ...
17   ]
18 }
```

1.3.6 XML

In order to be able to use the data in an XML file, the data must be in a specific format. The following XML structure would be in the complete state e.g. readable in BulkPDF:

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <root>
3    <row>
4      <Last_name>Mueller</Last_name>
5      <First_name>Berne</First_name>
6      <Address>Far-Far-Away</Adress>
7      <Checkbox_Value>Yes</Checkbox_Value>
8      <Radio_button_value>2</Radio_button_value>
9      <Combobox_Value>Cake</Combobox_Value>
10   </row>
11   <row>
12     <Last_name>Doe</Last_name>
13     ...
14     <Combobox_Value>Test</Combobox_Value>
15   </row>
16   ...
17 </root>

```

1.3.7 Data Source - MySQL / MariaDB Server

The integration of data from a MySQL or MariaDB server in BulkPDF can be realized in several ways.

One of the ways involves entering a "connection string", through which the available tables of the associated database are automatically listed. A table can then be selected as the data source from this list. For sample examples of valid "connection string" formats, refer

Please refer to [Section 6.5](#).

Another way is to formulate an SQL query that provides the required data in addition to the "connection string". With this method, the full range of SQL functions can be used on MySQL or MariaDB

Server can be used to configure the data source within BulkPDF eren.

1.3.8 PDF form

A PDF form is a PDF file containing form elements in Acro format

Forms or XFA owns. Such form elements are recognizable, for example

in Acrobat Reader, for example when you click in a text field and enter a text

can. If, on the other hand, you first have to draw the frame of the text field itself in Acrobat Reader in order to enter text, then act

it is not a PDF form in the true sense, but a PDF

File representing a form. This representation is then just a scanned image or a form marked with visible characters (e.g. underscores), which can only be filled out manually in the printed version. Such documents are only very secondarily supported by BulkPDF Business with the additional "Textbox", "Radio button" and "Checkbox" special field types.

In a real PDF form, all of these form fields have a name and may already have a value or a default value. For easier use of BulkPDF, the form field names in the PDF file should be meaningful so that

these can be easily identified when assigning the data in BulkPDF.

See the sample form provided with the program or Section 2 for a valid example.

1.4 Standard PDF form field types and matching data

In this subchapter, all field types that can occur in a PDF form are described. Furthermore, the data that BulkPDF Business expects for a correct filling out of the

Fields.

1.4.1 Text box

A "Textbox" field contains a text that can be single-line or multi-line depending on the version. Furthermore, the font, font size and write protection can be set for such a field. Based on the chosen font

supports all conceivable characters.

TEXTFELD-BEISPIEL (TEXTBOX):

Vorname:

Nachname:

1.4.2 Check boxes

A "checkbox" field may or may not be selected.

MARKIERFELD (CHECKBOX):

Umweltfreundliche Verpackung:

The following values can be used to fill in this type of field:

"X" Selected	"Not selected"
x	
1	0
true	false
on	off
y	n
yes	no
Yes	no
oui	non
si	

1.4.3 Radio buttons

A "radio button" is actually a group of selectable "checkbox"-like fields, but only one of these items can be selected. For the
Completing this type of field requires a number that corresponds to the index of the item. In the example below, "Male" would be "1", "Female" would be "2", and "Other" would be "3".

OPTIONSFELD-BEISPIEL (RADIOBOX):

Geschlecht: Männlich Weiblich Divers

1.4.4 List box

A "list box" is a list field type where, depending on the PDF form settings, one or more values can be selected from the list. For the
You can fill in the values specified by the creator of the PDF form
be taken, whether via a constant value or dynamically via a data source. With the dynamic variant, the text to be selected must be as in the
PDF form to be written out.

LISTENFELD (LISTBOX):

Zugehörige Branche: IT
Industrial
Cake-Factory
Tax

1.4.5 Combo box

A "combo box" behaves largely like a "list box" with the difference that it is intended for this field type that you can also use your own non-preset ones

values, can use.

KOMBINATIONSFELD (COMBOBOX):

Derzeitige Tätigkeit:

1.5 BulkPDF Business special field types and matching dates

1.5.1 Hyperlinks

A hyperlink consists of two components, the text and the URL to be referred to. Both values must be set next to the position of the field become. You can also set a font for a hyperlink.

1.5.2 image

In addition to a position and the desired size, an image requires a file path as a value. The following file types are supported:

1. BMP
2. JPEG
3. GIF
4. PNG
5. TIF
6. ICO & ICON

1.5.3 File Attachment

A file attachment is a path to a file on the system as a value. The description of the file is the file name and the MIME type is determined automatically based on the file extension.

1.5.4 Additional buttons for filling out scanned forms

If it is not a PDF form in the actual sense, but there is no such thing as a PDF that only contains images of forms
Possibility to edit the form fields like a real PDF
form field would be the case. However, in BulkPDF Business you can add additional fields
insert above and of course fill with data. The form fields shown in the PDF file can be superimposed visually by using the following

properly explained "Textbox", "Radio button" & "Checkbox button" above it.

1.5.5 Additional "Text Box"

An additional "text box" corresponds to a "text box" that is read-only and can be added to the PDF document using BulkPDF without the existence of an actual "text box" field. In addition to the normal necessary settings, the position and size of the field are also required.

1.5.6 Additional "Radio button"

An additional "Radio button" corresponds to a "Radio button" that is read-only and can be added to the PDF document using BulkPDF without the existence of an actual "Textbox" field. In addition to the normal necessary settings, the position and size of the field are also required.

The field is a single radio button, so if you want a group of items, you need to add several of these special field types.

1.5.7 Additional "Checkbox button"

An additional "Checkbox button" corresponds to a "Checkbox button" that is read-only and can be added to the PDF document using BulkPDF without the existence of an actual "Checkbox button" field. In addition to the normal necessary settings, the position and size of the field is also required.

1.5.8 Bar Codes

Barcode fields can be dynamically generated from the data for each individual PDF form and are inserted as an image at the appropriate selected position in the form. Below is a list of the two barcode groups with all supported barcode types:

Bidimensional barcode

1. Pdf417: <https://en.wikipedia.org/wiki/PDF417>
2. Data Matrix: https://en.wikipedia.org/wiki/Data_Matrix
3. QR: https://en.wikipedia.org/wiki/QR_code

Unidimensional barcode

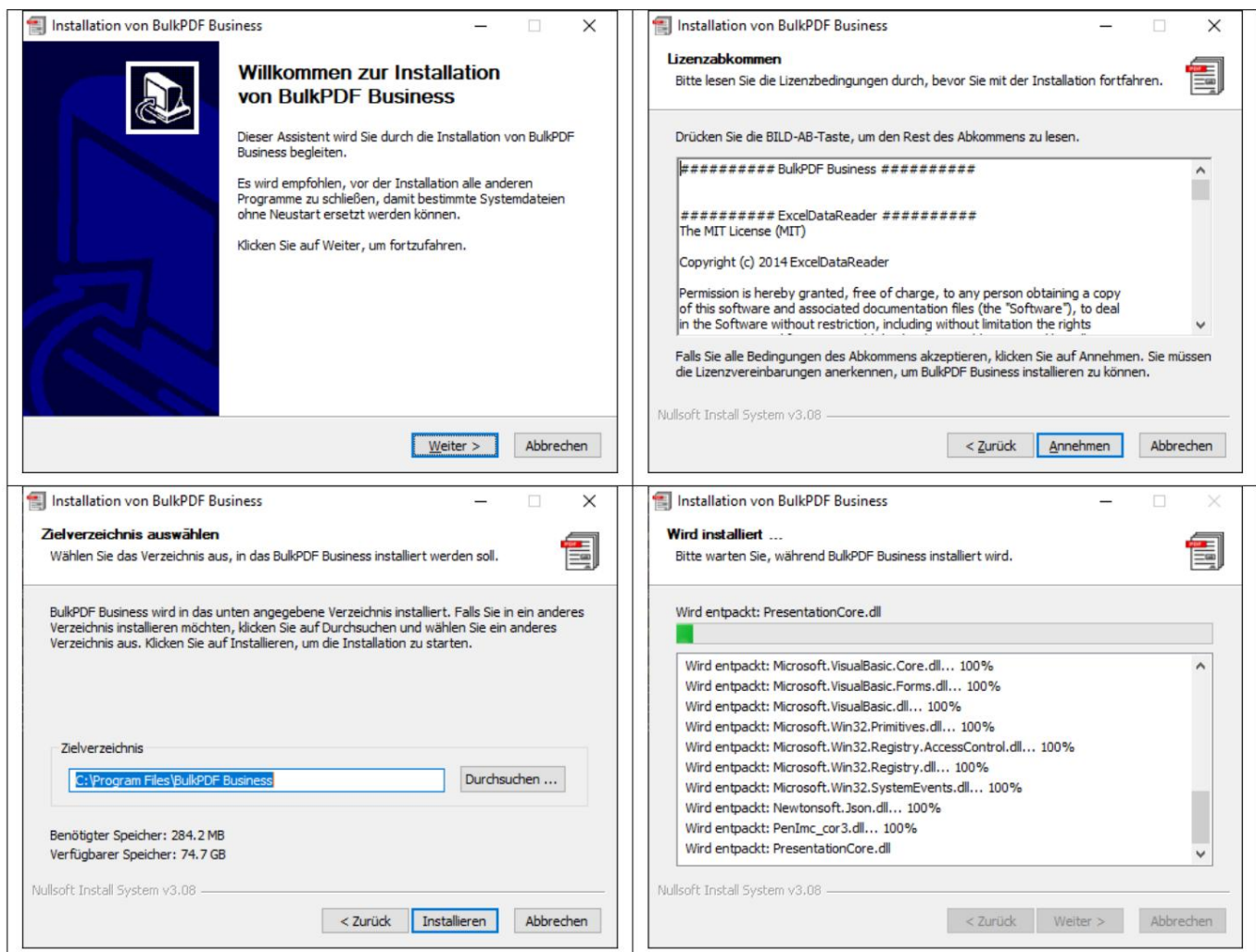
1. Codabar: <https://en.wikipedia.org/wiki/Codabar>
2. Code11: https://en.wikipedia.org/wiki/Code_11
3. Code128 , Code128A, Code128B, Code128C: https://en.wikipedia.org/wiki/Code_128
4. Code39: https://en.wikipedia.org/wiki/Code_39
5. Code93: https://en.wikipedia.org/wiki/Code_93
6. CodeUpc: https://en.wikipedia.org/wiki/Universal_Product_Code
7. Ean8, Ean13: https://en.wikipedia.org/wiki/International_Article_Number
8. GS1Code128: <https://en.wikipedia.org/wiki/GS1-128>

1.6 Installation & Licensing

The following information regarding the types of installation and the types of licensing.

1.6.1 Graphical installation

The necessary steps for installation as screenshots:



1.7 Silent installation

The "/S" parameter can be used to perform an unattended installation. If the installation path is to be specified, this can be done using the /D=C:\NewInstallDir\ parameter . For this type of installation for licensing a "LicenseConfirmation" in the %appdata%\BulkPDF folder or copied to the installation path on the system. This "LicenseConfirmation" can be activated on each system via activation in the program or via the "BulkPDF Business Terminal Licensor" as long as it is a multi-user license. This depends on the activation type in the %appdata%\BulkPDF folder or in the installation path on the system. At This is not possible with single-user licenses because the "LicenseConfirmation" contains a fixed hardware ID and when starting it is checked whether it still has the executing system matches.

1.7.1 Licensing

The normal licensing is carried out via the program on the start page.
(See chapter 3.1.2)

1.7.2 Multi-User / Terminal Server Licenses

To license a terminal server, the "BulkPDF-Business-Terminal-Licensor.exe" located in the installation folder must be called with elevated rights. After entering and activating a valid multi-user/terminal server license key, this application creates a license file itself in the installation folder. This license file will later be used by BulkPDF Business for the license verification of the Terminal Server users.



application scenarios (Step for step explanation)

The following application scenarios describe an example use of the Software.

2.1 Supplied sample files

When starting the program, it is possible to load the sample files via the information text on the first page of the program. Furthermore, the sample files can also be loaded directly (see section 2.1.1).

2.1.1 Example files in detail

The sample files consist of the configuration "ProcessExample.BulkPDF", from the data source "ProcessExample.xlsx" and the PDF form "ProcessExample.pdf", which can be found in the installation folder ("C:\Program Files\BulkPDF Business", unless the installation path was changed during installation).

BulkPDF Business Configuration: "ProcessExample.BulkPDF" This BulkPDF Business configuration file contains all the information used in a previous session as well as references to the individual files, such as data source ("ProcessExample.xlsx") and PDF form ("ProcessExample.pdf"). This

The configuration can be loaded again and again so that you don't have to make all the settings again and again. This file is encoded in JSON format[5], reasonably human readable and can be edited manually with any text editor if necessary, which can be necessary especially when manually adjusting file paths.

Data source (Excel file): "ProcessExample.xlsx"

The spreadsheet file consists of tables. The table "Table1 (Kundendaten)" which is selected in the example configuration and the table "Table 2 (creditworthiness)".

1	Nachname (Textbox)	Vorname	Straße	Hausnummer	Postleitzahl	Ort	Geschlecht (Radio Button / Radiobox)	Umweltfreundliche Verpackung (Checkbox)	Zugehörige Branche (Listbox)	Derzeitige Tätigkeit (ComboBox)
2	Mueller	Bernd	Weit-Weit-Weg	23	10178	Berlin	1	1	IT	Angestellter
3	Mustermann	Max	Mustermann Straße	5	80331	München	1	2	Industrial	Ehrenamtlicher
4	Musterfrau	Marie	Mustermann Straße	7	31515	Wunstorf	2	Yes	Cake-Factory	Freelancer
5	Klein	Berthold	Kleiner Weg	3	70173	Stuttgart	3	No	Tax	König von Deutschland
6	Groß	Anna-Lisa	Blumenweg	13	40210	Düsseldorf	3	Ja	Top secret	Ehrenamtlicher
7	蛋糕	饼干		17	34117	Kassel	2	Yes	Industrial	Ehrenamtlicher
8	топт	не-еже		2	39104	Magdeburg	1	Yes	Cake-Factory	Angestellter
9	ř, ů, ě, č	הקליטה	היה	37	24103	Magdeburg	1	Yes	IT	Angestellter
10										
11										
12										
13										

	A	B	C
1	Nachname (Textbox)	Vorname	Kreditwürdig
2	Mueller	Bernd	Yes
3	Mustermann	Max	y
4	Musterfrau	Marie	x
5	Klein	Berthold	oui
6	Groß	Anna-Lisa	si
7	蛋糕	蛋糕	是
8	топт	топт	да
9	ř, ů, ě, č	הקליטה	true
10			

PDF form: "ProcessExample.pdf"

The sample PDF form contains all standard PDF form elements so that you can fill them out once when testing the program.

Beispiel-Bestell-Formular

[Company Name]
[Street Address, City, ST ZIP Code]
[Phone]
[Email]
[Website]

TEXTFELD-BEISPIEL (TEXTBOX):

Vorname: Nachname:

Straße: Hausnummer:

Postleitzahl: Ort:

OPTIONSFELD-BEISPIEL (RADIOBOX):

Geschlecht: Männlich Weiblich Divers

MARKIERFELD (CHECKBOX):

Umweltfreundliche Verpackung:

LISTENFELD (LISTBOX):

Zugehörige Branche:
IT
Industrial
Cake-Factory
Tax

KOMBINATIONSFELD (COMBOBOX):

Derzeitige Tätigkeit:

2.1.2 Filling out the sample PDF form

In the following, the sample PDF form is filled out with the data from the sample spreadsheet file based on brief descriptions of the steps taken.

Home page

After the program has started, the program's "Start Page" opens. This offers a short welcome text, a reference to this documentation, the

Loading the example configuration and a link to the feedback page.

BulkPDF Business [DEMO]

Startseite | Datenquelle | PDF-Formular | Optionen | Fertigstellung

BulkPDF Business

Vielen Dank, dass Sie sich für die Nutzung von BulkPDF Business entschieden haben. Die Software, welche automatisiertes Ausfüllen von PDF-Formularen benutzerfreundlich und datenschutzgerecht für jeden Verfügbar macht. In den nächsten Schritten wird Sie das Programm zur Auswahl einer Datenquelle, der Zuweisung der Daten zu PDF-Formular Felder, der Dateinamenseinstellungen sowie der Ausgabe Ihrer PDF-Formular-Dateien führen. Klicken Sie nun bitte, um zu dem nächsten Schritt zu gelangen, auf die Schaltfläche unten in der rechten Ecke.

Bitte nehmen Sie sich die Zeit einmal in den FAQ (häufig gestellte Fragen) und in die Dokumentation hineinzuschauen. [Klicken Sie hier, um die Dokumentation zu öffnen.](#)

Für einen schnellen Überblick über das Programm steht auch Beispiel-Konfiguration zur Verfügung. [Klicken Sie hier, um die Beispiel-Konfiguration zu laden.](#)

Falls Sie Kritik, Wünsche an die weitere Entwicklungen oder allgemeines Feedback geben möchten, [klicken Sie bitte hier.](#)

2021.12.30.811

Software-Lizenz

Software-Lizenz-Code: Lizenz aktivieren

Lizenz-Status: Verfallsdatum:

Software-Version

Installiert: 2021.12.30.811 Verfügbar: 2021.12.30.0811

Versionskanal: [Auf neue Version aktualisieren](#)

Optionen

Sprache:

Support

Konfiguration:

Copyright © 2021 Julien Bartsis

Clicking the "Next" button in the lower right corner takes you to the "Data Source" page.

Data source

In this step, the data source type "Excel" is selected first and then the Excel file itself.

BulkPDF Business [DEMO]

Startseite Datenquelle PDF-Formular Optionen Fertigstellung

Datenquelle

↑

Wählen Sie eine Datenquelle.

BulkPDF Business

PDF

2021.12.30.811

Dokumentation

Rechtliches

Copyright © 2021 Julien Bartels

Support Konfiguration: Laden Speichern

← Zurück Weiter →

BulkPDF Business [DEMO]

Startseite Datenquelle PDF-Formular Optionen Fertigstellung

Datenquelle Tabellenkalkulation / Excel

Tabellenkalkulation

Tabellenkalkulation-Datei: Auswählen...

Tabelle:

↑

Wählen Sie eine Tabellenkalkulationsdatei und eine Tabelle aus.

BulkPDF Business

PDF

2021.12.30.811

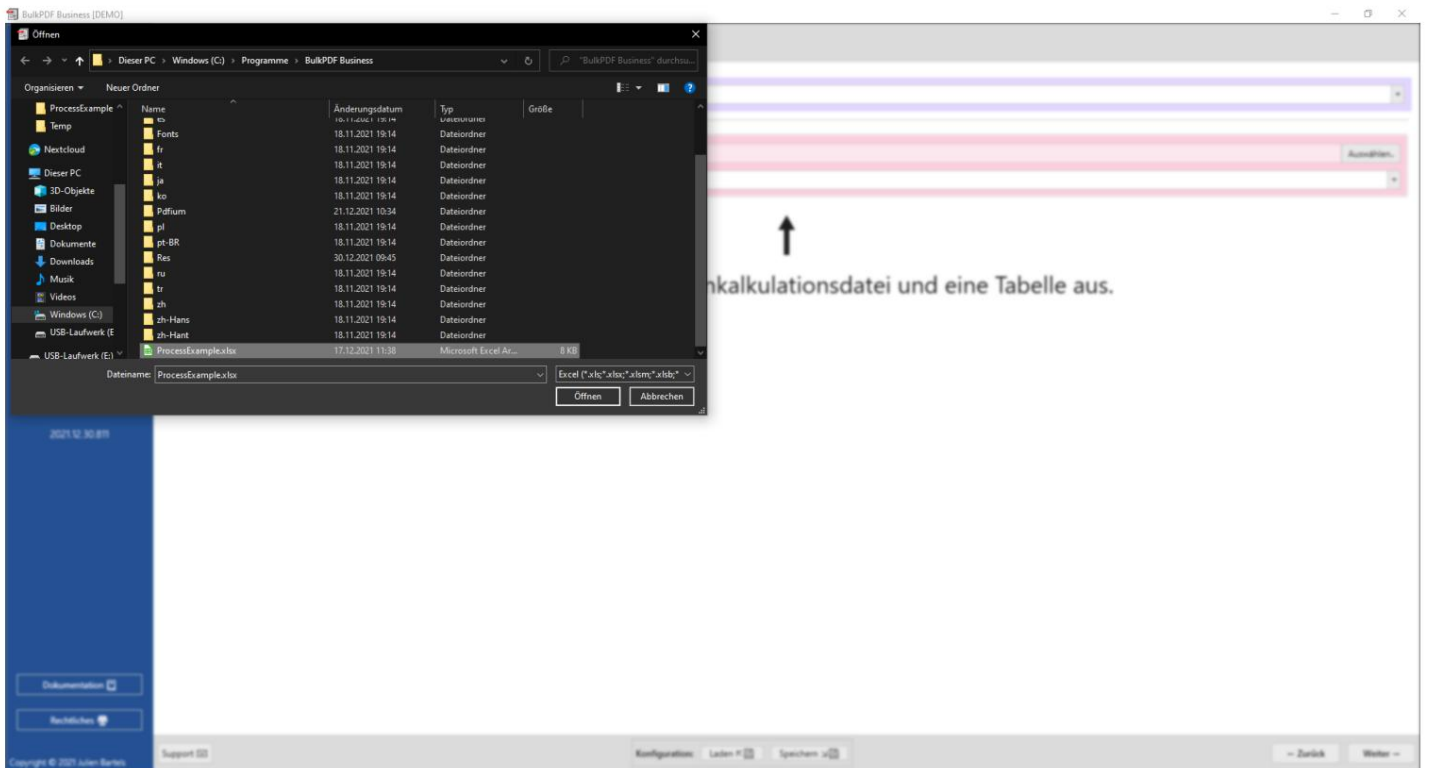
Dokumentation

Rechtliches

Copyright © 2021 Julien Bartels

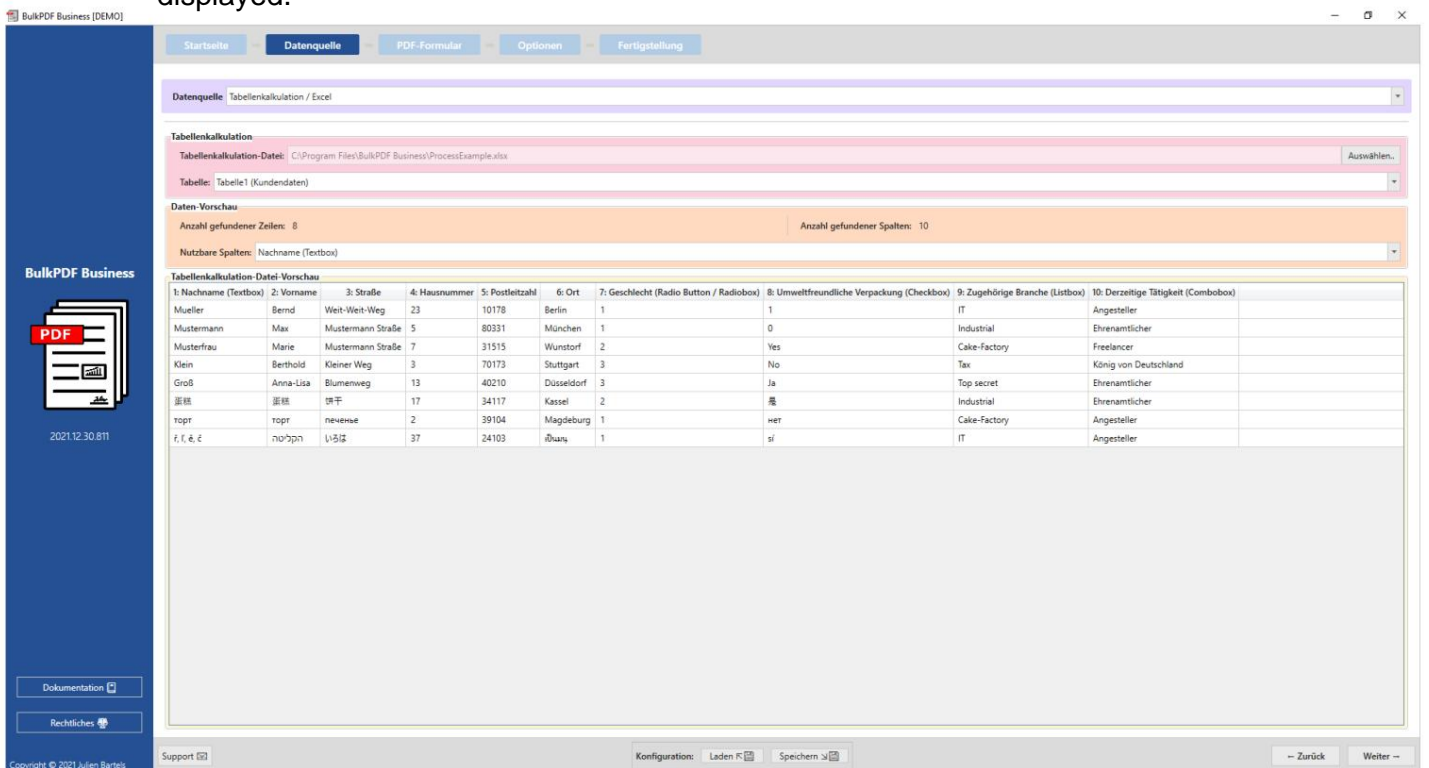
Support Konfiguration: Laden Speichern

← Zurück Weiter →



After the Excel file is loaded, you can select one of the tables it contains. A preview of the data within that table is then displayed.

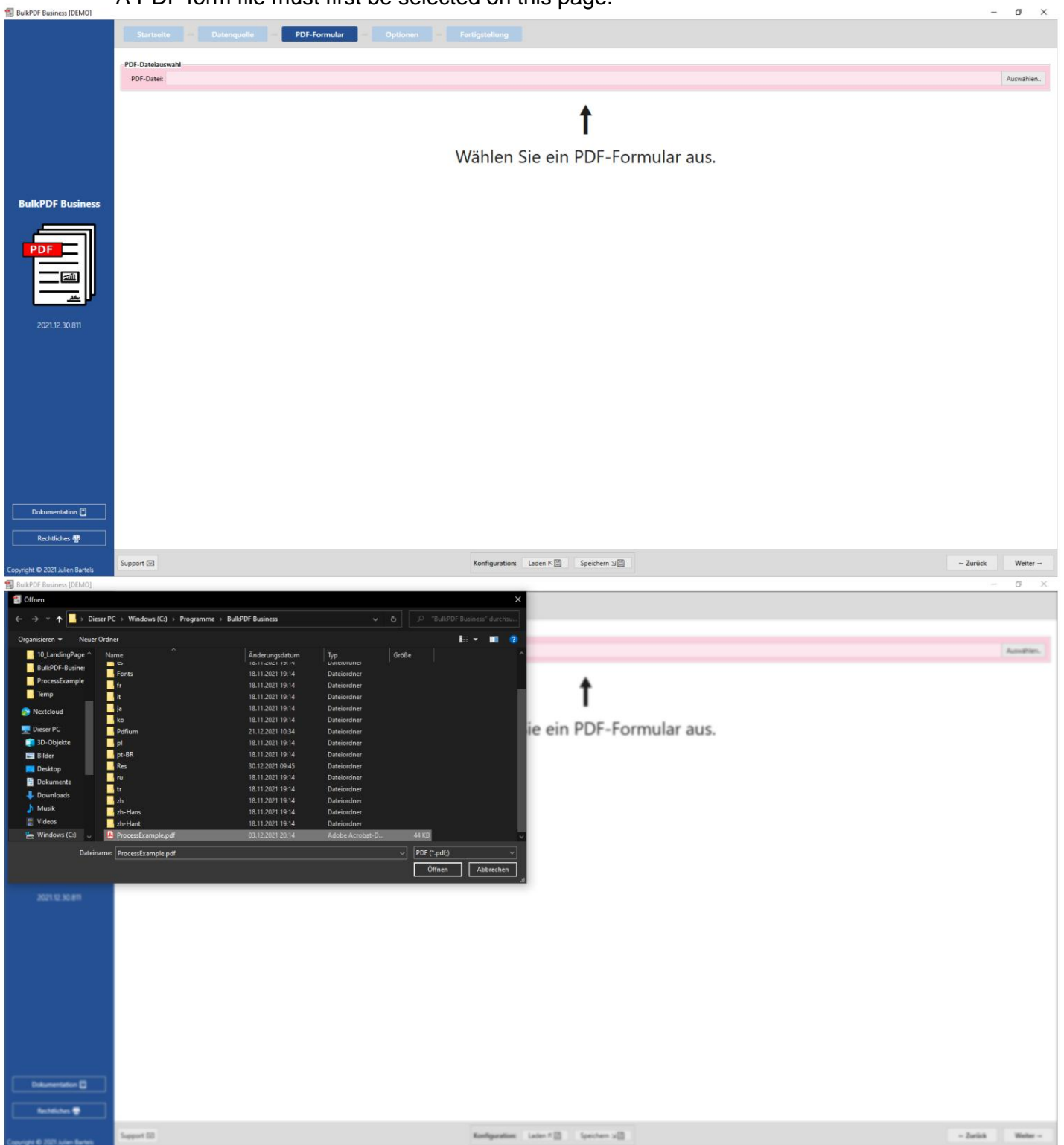
Only the data that is in the correct format for BulkPDF and has been found will be displayed.



Clicking on "Next" again takes you to the page for the "PDF Form".

PDF form

A PDF form file must first be selected on this page.



After a PDF file has been selected, a collection of general data on the file appears, a PDF preview and the table for assigning the data from the "data source" to the individual fields of the PDF form.

The screenshot shows the BulkPDF Business interface. The main window displays a PDF form titled "Beispiel-Bestell-Formular". The form contains several text input fields for "Vorname", "Nachname", "Straße", "Hausnummer", "Postleitzahl", and "Ort". To the right, a table titled "Zuweisung PDF-Formular-Feld" lists the fields and their corresponding data source values.

Feld	Feldtyp	Aktueller Wert	Daten bearbeiten	Bearbeitet	Schreibschutz	Ausgewählte Daten
Vorname	TextBox		Bearbeiten	<input type="checkbox"/>	<input type="checkbox"/>	
Nachname	TextBox		Bearbeiten	<input type="checkbox"/>	<input type="checkbox"/>	
Straße	TextBox		Bearbeiten	<input type="checkbox"/>	<input type="checkbox"/>	
Hausnummer	TextBox		Bearbeiten	<input type="checkbox"/>	<input type="checkbox"/>	
Postleitzahl	TextBox		Bearbeiten	<input type="checkbox"/>	<input type="checkbox"/>	
Ort	TextBox		Bearbeiten	<input type="checkbox"/>	<input type="checkbox"/>	
Geschlecht	RadioButton		Bearbeiten	<input type="checkbox"/>	<input type="checkbox"/>	
Umweltfreundliche Verpackung	CheckBox	Falsch	Bearbeiten	<input type="checkbox"/>	<input type="checkbox"/>	
Zugehörige Branche	ListBox		Bearbeiten	<input type="checkbox"/>	<input type="checkbox"/>	
Derzeitige Tätigkeit	ComboBox		Bearbeiten	<input type="checkbox"/>	<input type="checkbox"/>	

Here, the "Last name" field was opened via the "Edit" button and the data was assigned to the "Last name (text box)" column from the data source.

The screenshot shows the BulkPDF Business interface with a dialog box titled "Datenzuweisung" (Data Assignment) open. The dialog box is used to assign data to a specific field. The "Feld" (Field) is set to "Nachname" and the "Feldtyp" (Field Type) is "TextBox". The "Datenquelle" (Data Source) is set to "Datenquelle nutzen: Nachname (Textbox)". The "Schreibschutz" (Write Protection) is set to "Keine" (None). The "Schriftart" (Font) is also visible.

After closing the editing window, the preview now shows that the first line of the data source was used for the demonstration to fill out the form as an example and now in "Last name" the value of the first line of the "Last name (text box)" column from the data source is available.

BulkPDF Business [DEMO]

Startseite | Datenquelle | **PDF-Formular** | Optionen | Fertigstellung

PDF-Dateiauswahl
PDF-Datei: C:\Program Files\BulkPDF Business\ProcessExample.pdf Auswählen...

Daten-Vorschau
Anzahl gefundener nutzbarer PDF-Formular-Felder: 10 | Dokumententyp: AcroForm | Erstellungsdatum: 01.12.2021 14:14:19 | Änderungsdatum: 03.12.2021 19:14:42

PDF-Vorschau
Automatische Aktualisierung: Aktualisieren In System PDF-Viewer öffnen
Formularfeld hervorheben:

Zuweisung PDF-Formular-Feld

Feld	Feldtyp	Aktueller Wert	Daten bearbeiten	Bearbeitet	Schreibschutz	Ausgewählte Daten
Vorname	TextBox		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Nachname	TextBox		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Nachname (Textbox)
Strasse	TextBox		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hausnummer	TextBox		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Postleitzahl	TextBox		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ort	TextBox		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Geschlecht	RadioButton		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Umweltfreundliche Verpackung	CheckBox	False	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Zugehörige Branche	ListBox		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Derzeitige Tätigkeit	ComboBox		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Zusätzliche Spezialfelder

Feldtyp	Seite	Position	Beschreibung	Daten bearbeiten	Daten bearbeiten
<input type="text"/>					

Copyright © 2021 Julien Bartels

In the following, all other fields were also assigned the appropriate columns as data sources.

BulkPDF Business [DEMO]

Startseite | Datenquelle | **PDF-Formular** | Optionen | Fertigstellung

PDF-Dateiauswahl
PDF-Datei: C:\Program Files\BulkPDF Business\ProcessExample.pdf Auswählen...

Daten-Vorschau
Anzahl gefundener nutzbarer PDF-Formular-Felder: 10 | Dokumententyp: AcroForm | Erstellungsdatum: 01.12.2021 14:14:19 | Änderungsdatum: 03.12.2021 19:14:42

PDF-Vorschau
Automatische Aktualisierung: Aktualisieren In System PDF-Viewer öffnen
Formularfeld hervorheben:

Zuweisung PDF-Formular-Feld

Feld	Feldtyp	Aktueller Wert	Daten bearbeiten	Bearbeitet	Schreibschutz	Ausgewählte Daten
Vorname	TextBox		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vorname
Nachname	TextBox		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Nachname (Textbox)
Strasse	TextBox		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Strasse
Hausnummer	TextBox		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Hausnummer
Postleitzahl	TextBox		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Postleitzahl
Ort	TextBox		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ort
Geschlecht	RadioButton		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Geschlecht (Radio Button /
Umweltfreundliche Verpackung	CheckBox	False	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Umweltfreundliche Verpaci
Zugehörige Branche	ListBox		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Zugehörige Branche (Listb
Derzeitige Tätigkeit	ComboBox		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Derzeitige Tätigkeit (Comb

Zusätzliche Spezialfelder

Feldtyp	Seite	Position	Beschreibung	Daten bearbeiten	Daten bearbeiten
<input type="text"/>					

Copyright © 2021 Julien Bartels

After the data has been assigned to the fields, the last setting step can be reached by clicking on the "Next" button.

options

In this step, the file name can be assembled by adding formatting elements such as data from a column from the data source, date/time, etc.

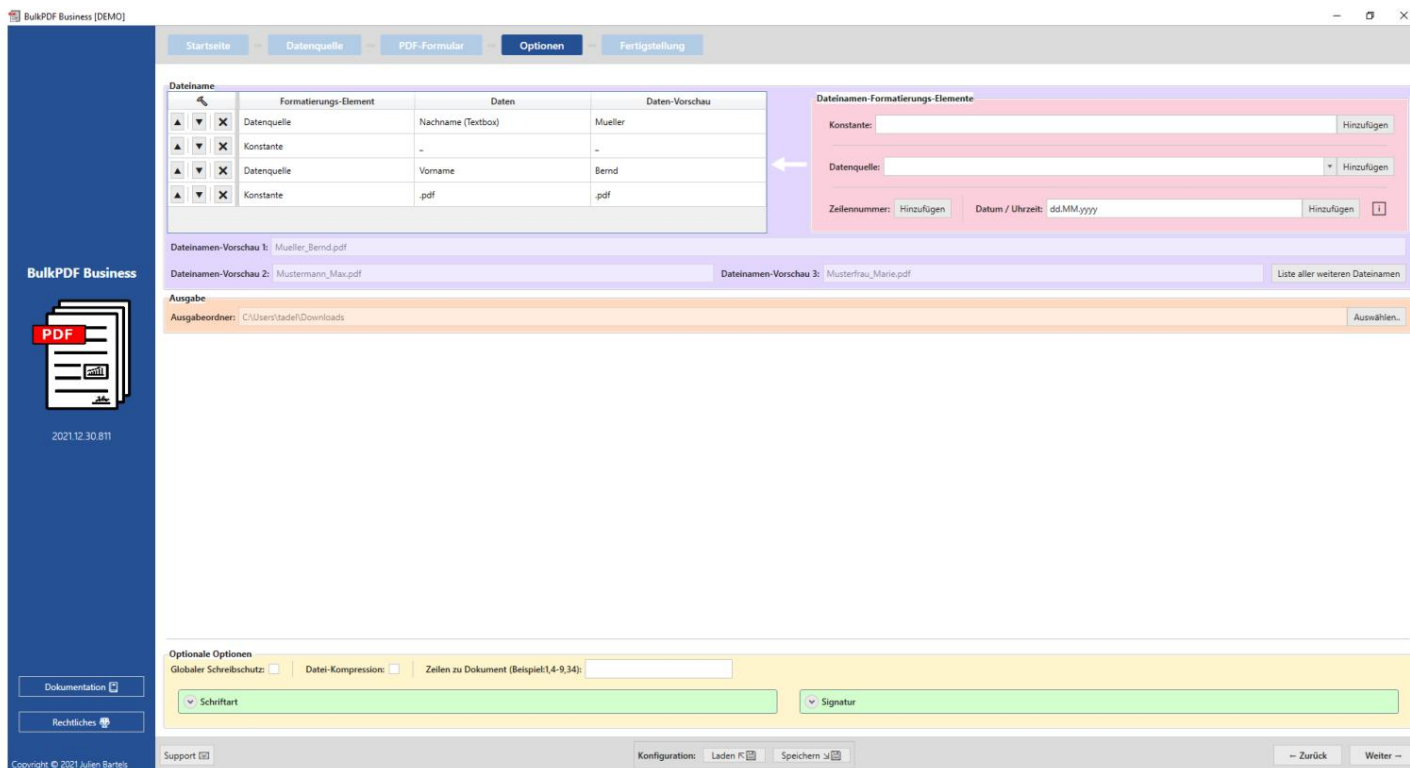
passed to the filename generator. Every time you change these formatting elements, you are immediately shown in the preview below, based on the first three file names, what exactly the change is causing.

The screenshot displays the 'Optionen' (Options) tab in the BulkPDF Business [DEMO] application. The main area is divided into several sections:

- Dateiname Table:** A table with columns 'Formatierungs-Element', 'Daten', and 'Daten-Vorschau'. It contains two rows: 'Zeilennummer' with data '1' and 'Konstante' with data 'pdf'.
- Dateinamen-Formatierungs-Elemente:** A panel on the right with input fields for 'Konstante', 'Datenquelle', and 'Zeilennummer' (with a 'Datum / Uhrzeit: dd.MM.yyyy' field). Each field has a 'Hinzufügen' (Add) button.
- Dateinamen-Vorschau:** Three preview fields showing '1.pdf', '2.pdf', and '3.pdf'.
- Ausgabe (Output):** An 'Ausgabeordner:' (Output folder) field with an 'Auswählen...' (Select...) button.
- Optionale Optionen (Optional Options):** A section at the bottom with checkboxes for 'Globaler Schreibschutz', 'Datei-Kompression', and a text field for 'Zellen zu Dokument (Beispiel:1,4-9,34)'. Below this are dropdown menus for 'Schriftart' (Font) and 'Signatur' (Signature).

The interface also includes a sidebar with 'BulkPDF Business' branding, a 'Dokumentation' button, and a footer with 'Copyright © 2021 Julien Bartels'.

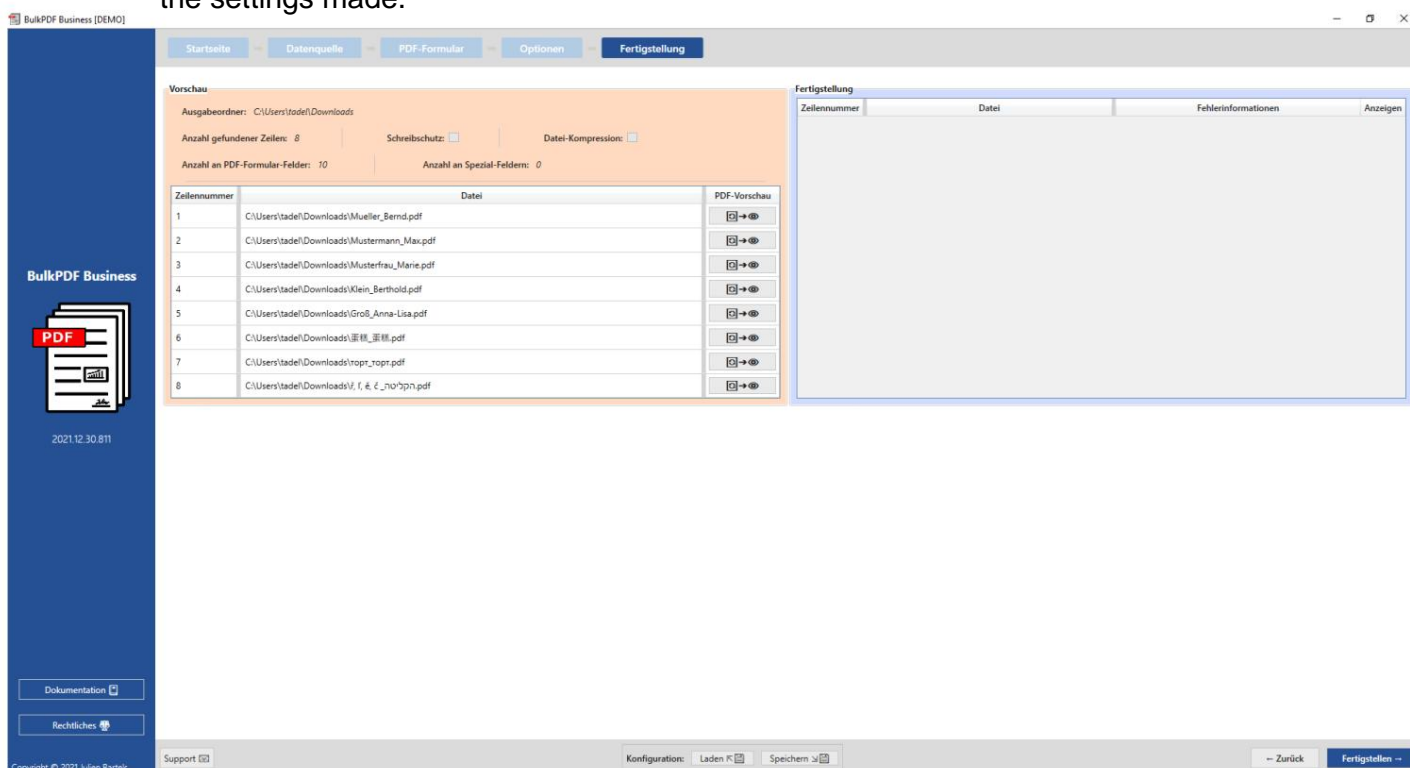
In addition to a nice-looking file name, the output directory selected, in which all files created in the same way will be located.



Click on "Next" for the last step.

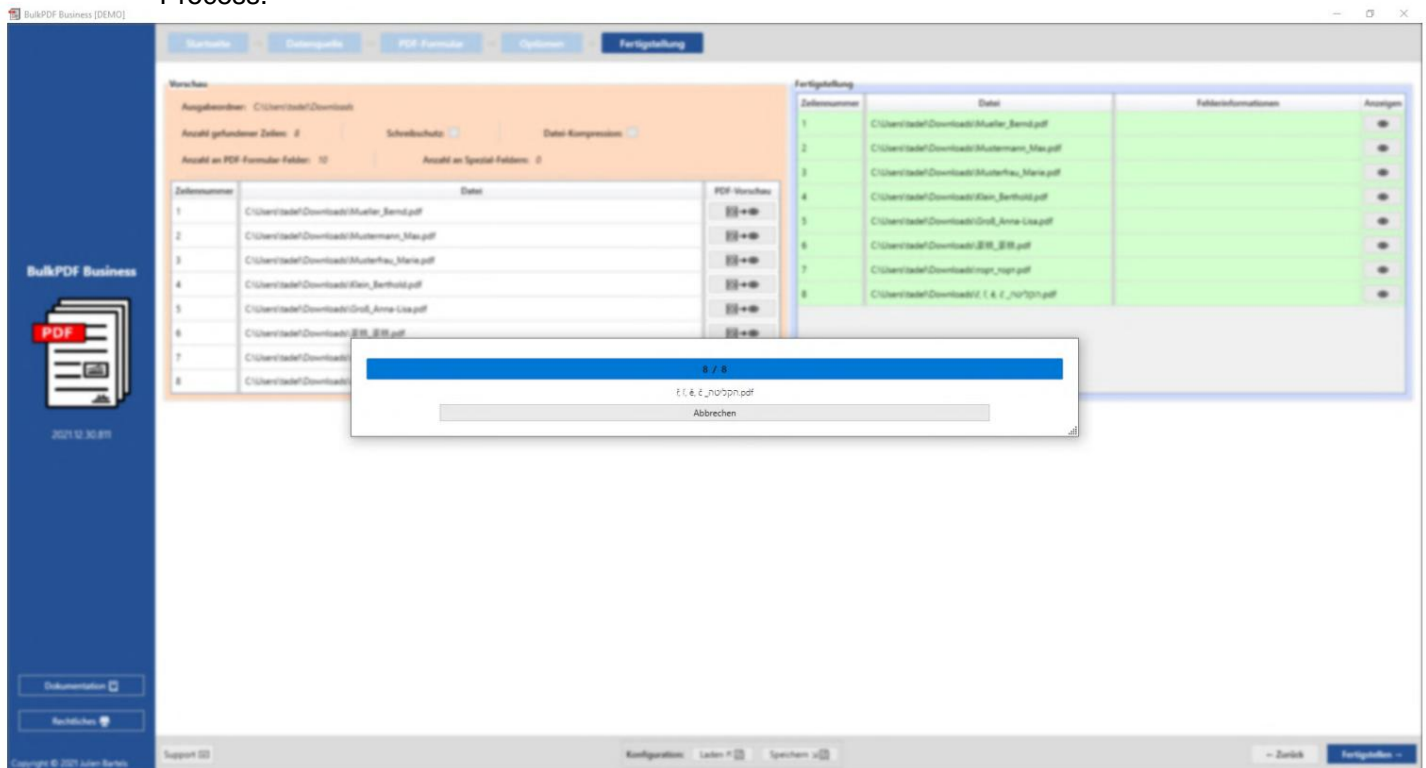
Completion

This step no longer offers any setting options but only serves as an overview of the settings made.

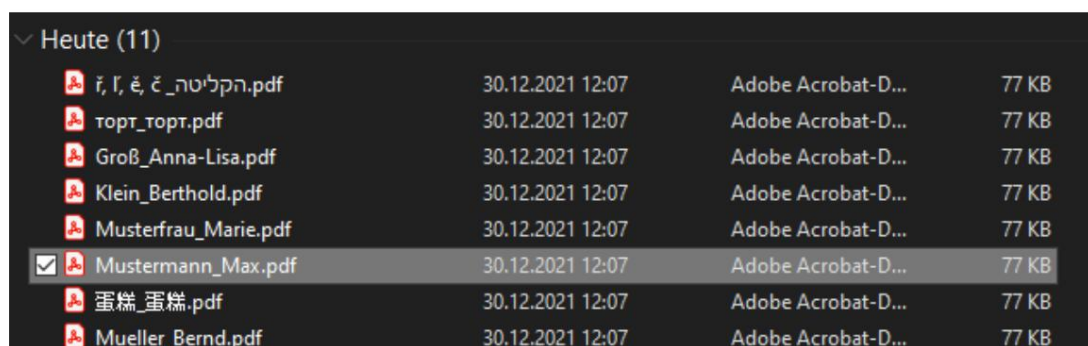


Click on the "Finish" button at the bottom right to start filling out the form

Process.



After all files have been created, the output folder with the created files opens automatically.



The configuration you have made should be saved at the end so that you can quickly access it again in the future without having to set anything again.

3

user interface in

Details (GUI)

The following details each element in each window in the application. This chapter is not intended as a "step-by-step" guide to use, but as a reference work for unknown or unclear functions within of the program. This chapter can also provide an overview of the functionalities of the application in general. For an introduction to the application itself, please refer to Chapter 2 .

3.1 Home

On the start page you will find the following basic settings, software license related, update functionality and information regarding the program.

3.1.1 Overview

The screenshot shows the BulkPDF Business application interface. At the top, a navigation bar (A) contains tabs for 'Startseite', 'Datenquelle', 'PDF-Formular', 'Optionen', and 'Fertigstellung'. The main content area displays the 'BulkPDF Business' title and introductory text. Below this, there are sections for 'Software-Lizenz' (B) and 'Software-Version' (C). The 'Software-Lizenz' section includes fields for 'Software-Lizenz-Code', 'Lizenz aktivieren', 'Lizenz-Status' (with a cross icon), and 'Verfallsdatum'. The 'Software-Version' section includes 'Installiert:' (2021.12.30.811), 'Verfügbar:' (2021.12.30.0811), and a 'Versionskanal:' dropdown menu set to 'Stabil'. A 'Sprache:' dropdown menu (D) is set to 'Deutsch : de'. At the bottom, there is a footer (E) with 'Copyright © 2021 Julien Bartsch', a 'Support' button (F), a 'Konfiguration:' section (G) with 'Laden' and 'Speichern' buttons, and a 'Weiter --' button (H).

A Page title: All pages of the application can be found in this bar. The currently active page is highlighted with a dark blue background. All other pages are displayed with a light blue background. (The Bar can also be used for quick navigation by clicking on each page title is clicked.)

B License: This group of elements contains the current status of the license, its expiry date and a button for activating a license (see see chapter 3.1.2). The status of the license is displayed with a tick after a successful license activation and verification. If a cross instead of the tick is displayed, no license is active or no valid license is available the.

C Software Version: Here is the currently installed software version, the latest available version and a button to update the software. There is also a button for selecting the update channel. In the "Stable" channel has the latest tested version, while in the "Beta" channel the latest version can be found, which may still be unknown Contains bugs but offers the latest features.

D Options: This element group currently only offers the selection of the desired program language.

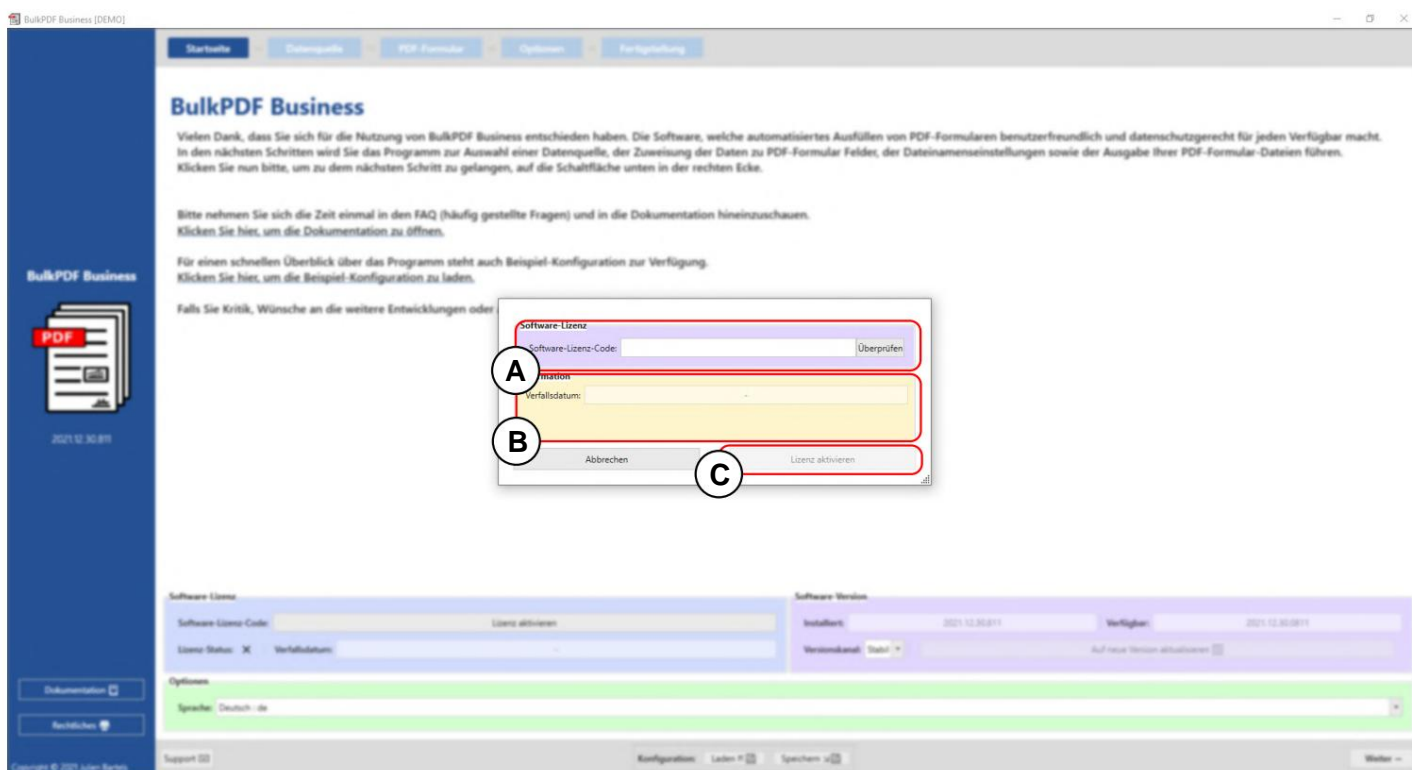
E Page panel: The documentation window (see Chapter 3.7.2) as well as legal information such as software license texts can be accessed here.

F Support: The support window can be reached via this button (see chapter 3.7.1).

G Configuration: In the element group, the current configuration (everything that has been loaded, set and changed since the start of the program session) can be saved or an old configuration that has already been created can be reloaded. (See 3.1.3 for more information)

H Navigation buttons: This area contains buttons for moving one program page forwards or one program page back in the program. In the last step, the "Next" button becomes "Finish", which finally creates the PDF files (see Completion page 3.5).

3.1.2 License Activation

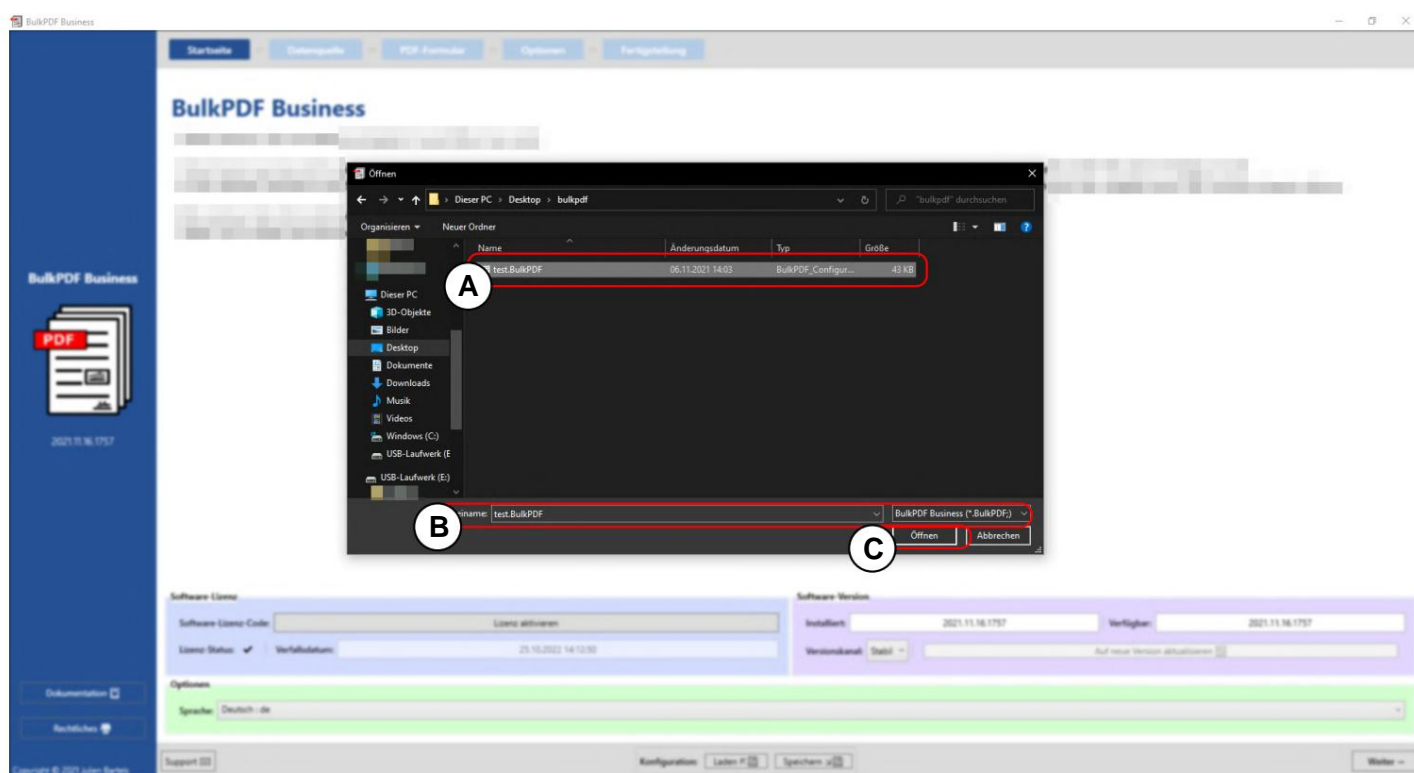


A Software license: The software license code is entered here (e.g. F0-OB-EX-55). After the entry, the "Check" button must be pressed so that the validity of the license server can be checked and the expiry date of the program key can be displayed.

B License information: The information about the program key that was loaded using the "Check" button is available here.

C Activate license: If the license exists, is valid and has not yet expired, this button can be pressed to create an encrypted license file on the system, which from now on, also offline, verifies that all paid functions within the program may be used.

3.1.3 Configuration: Save & Load



A A previously saved BulkPDF configuration.

B File name and file extension of the BulkPDF configuration.

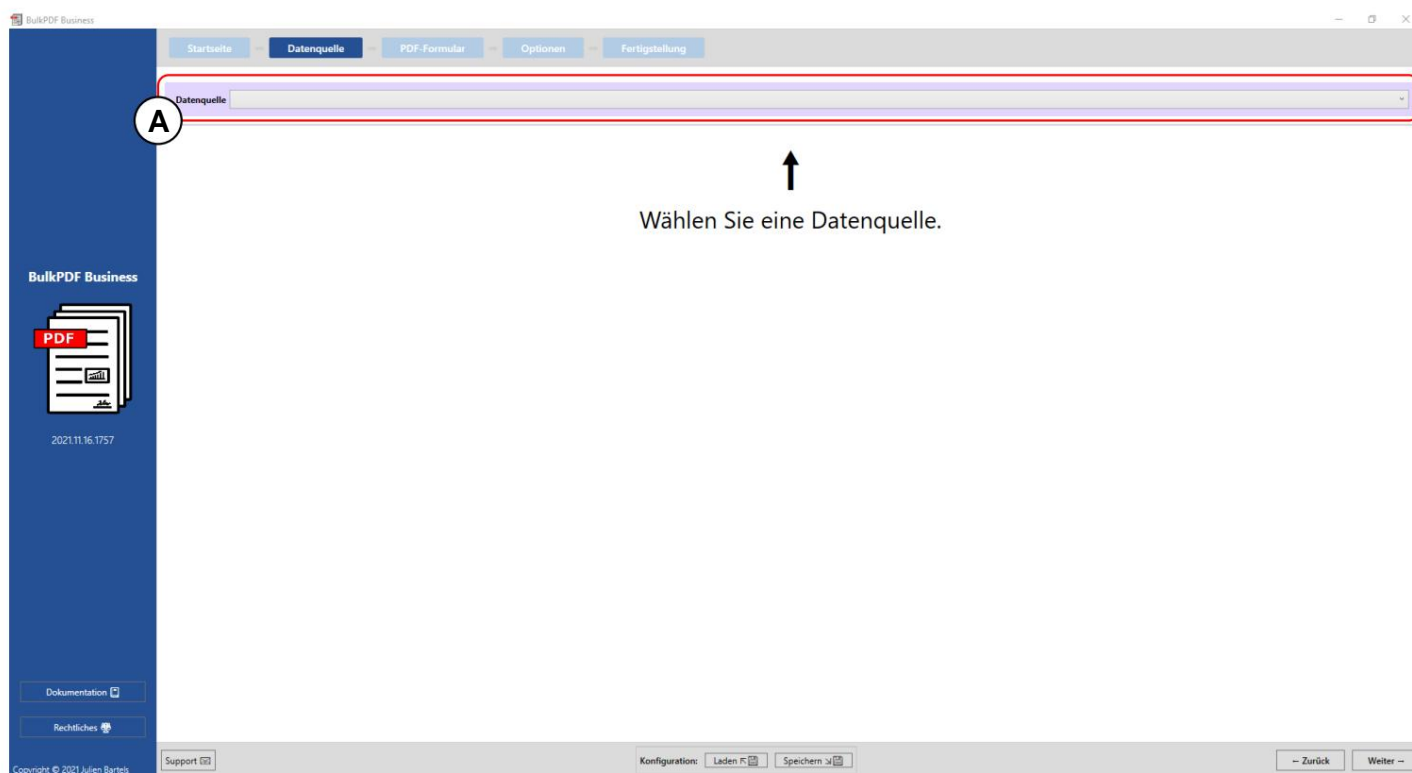
C The current BulkPDF configuration can be saved here.

Encryption If passwords for signatures or data connections are to be saved with the configuration, this configuration should be stored in encrypted form. For this purpose, the file extension ".BulkPDFEncrypted" can be selected when saving a configuration, which then creates the encrypted file after entering a password. When loading a ".BulkPDFEncrypted" configuration, the password for loading is then asked again.

3.2 Data Sources

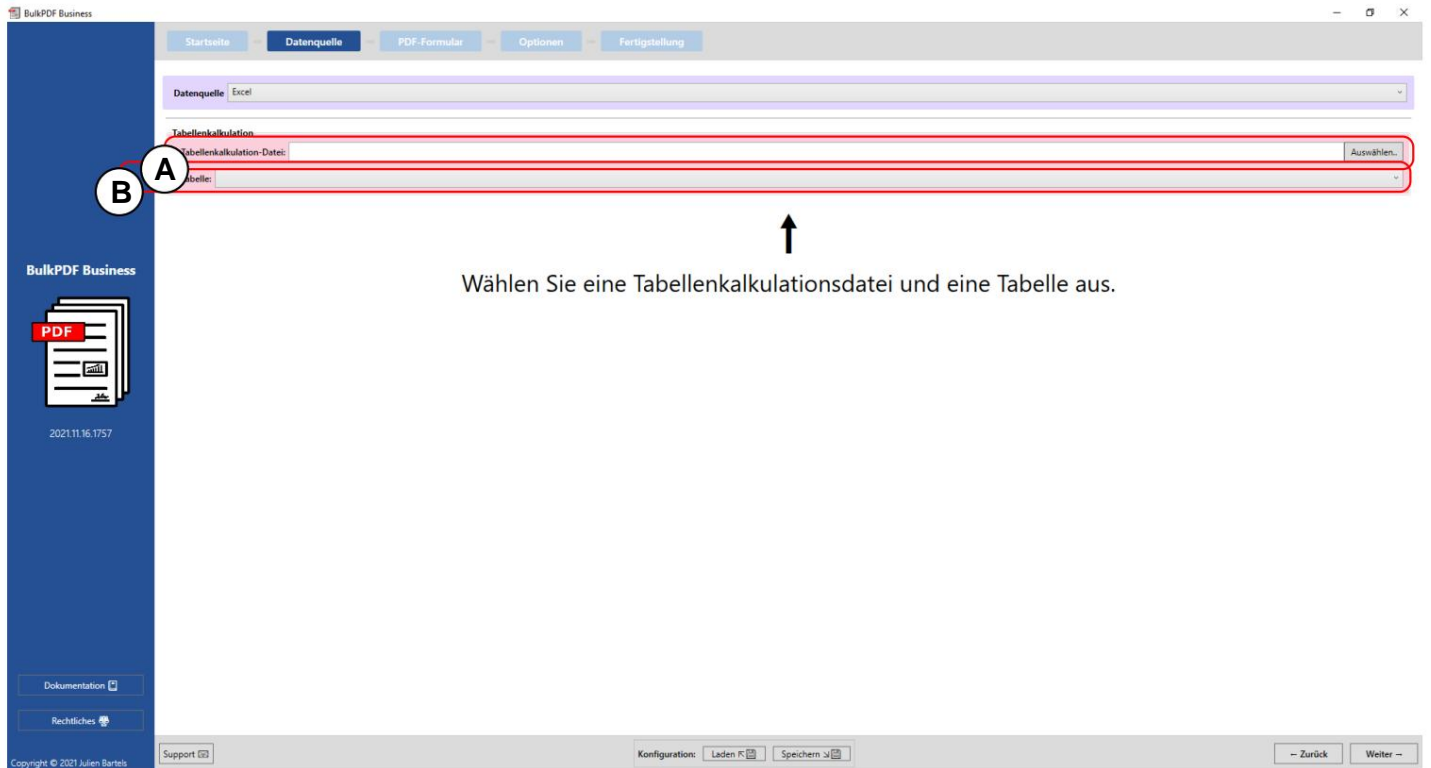
In this step you will be prompted to select a data source, such as Excel, Microsoft SQL Server, etc. Each data source type has its own setting options and points that must be considered. This section and the individual data source types are discussed below.

3.2.1 Overview



A One of the currently supported data source types, such as Excel, Microsoft SQL Server, etc. can be selected in this button.

3.2.2 Excel / Spreadsheet Files



A A spreadsheet file can be loaded at this point. For more information on which file formats are supported, see Chapter 1.3.2.

B Here one of the tables contained in the spreadsheet file must be selected to get voted. You can only have data from one table in one spreadsheet file can be used at the same time.

A Tabellenkalkulation-Datei: \ProcessExample.xlsx

B Tabellenkalkulation-Daten-Vorschau

Anzahl gefundener Zeilen: 8 Anzahl gefundener Spalten: 10

Nutzbare Spalten: Nachname (Textbox)

1: Nachname (Textbox)	2: Vorname	3: Straße	4: Hausnummer	5: Postleitzahl	6: Ort	7: Geschlecht (Radio Button / Radiobox)	8: Umweltfreundliche Verpackung (Checkbox)	9: Zugehörige Branche (Listbox)	10: Derzeitige Tätigkeit (Combobox)
Mueller	Bernd	Weit-Weit-Weg	23	10178	Berlin	1	1	IT	Angestellter
Mustermann	Max	Mustermann Straße	5	80331	München	1	0	Industrial	Ehrenamtlicher
Musterfrau	Marie	Mustermann Straße	7	31515	Wunstorf	2	Yes	Cake-Factory	Freelancer
Klein	Berthold	Kleiner Weg	3	70173	Stuttgart	3	No	Tax	König von Deutschland
Groß	Anna-Lisa	Blumenweg	13	40210	Düsseldorf	3	Ja	Top secret	Ehrenamtlicher
張精	張平		17	34117	Kassel	2		Industrial	Ehrenamtlicher
topr	revenue		2	39104	Magdeburg	1	her	Cake-Factory	Angestellter
ר, ר, א, ז	חיים	ירושלם	37	24103	ירושלם	1	sf	IT	Angestellter

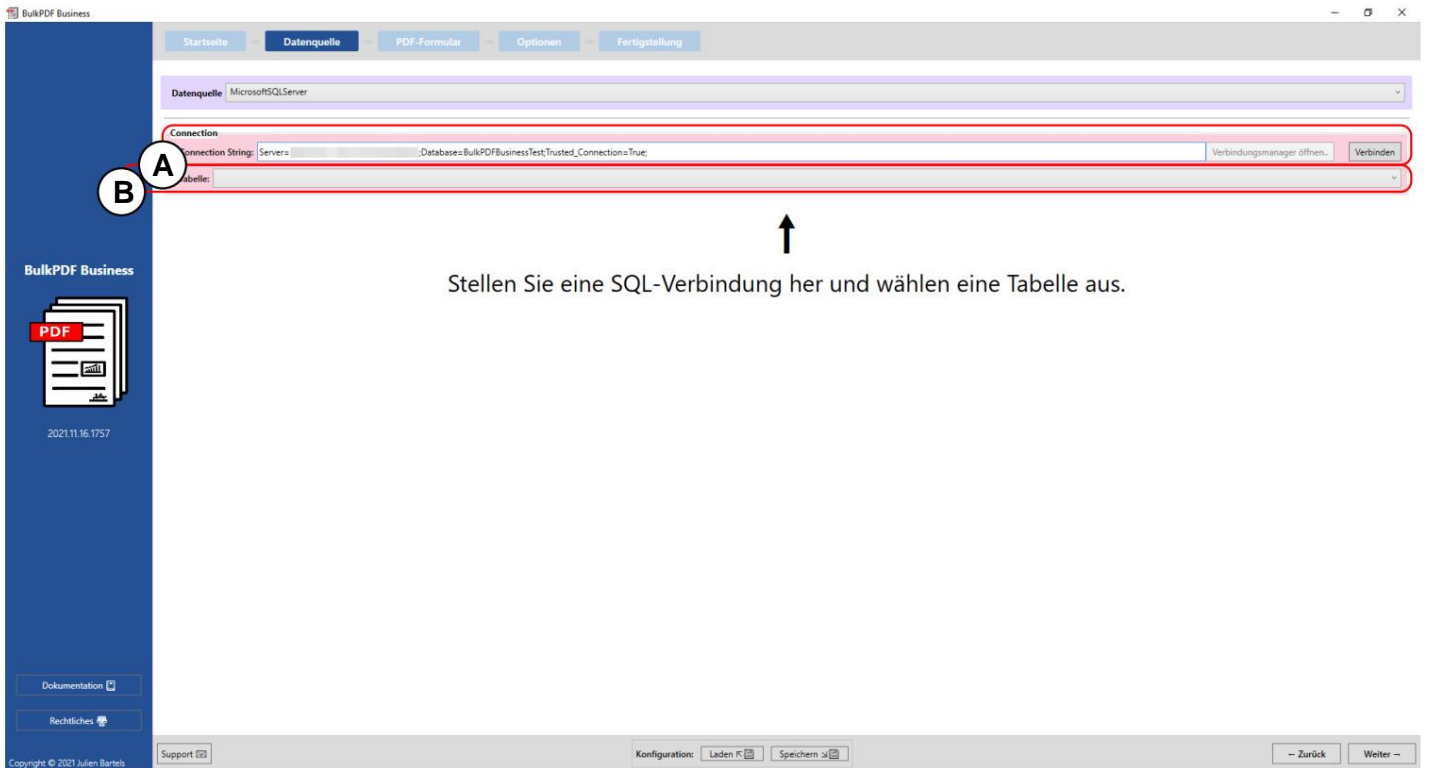
C

A Spreadsheet: You can see a selected xlsx file and the selected table "Table1".

B Data preview: The number of rows and columns found are displayed in the element group. A list of the columns found, which can be used in the next steps for data selection, is also shown to provide an overview and to check that the file is loaded correctly.

C Spreadsheet Data Preview: At this point, the 1000 first recognized lines of the spreadsheet file to verify that the file loaded as intended and that the data was recognized.

3.2.3 Microsoft SQL Server



Stellen Sie eine SQL-Verbindung her und wählen eine Tabelle aus.

A Connection string: Here, the "Connection string" with the example "Server=SERVERADRESSE;Database=BulkPDFBusinessTest;Trusted_Connection=True;" displayed. For this data source, the "Database" section in the "Connection string" is important because only the tables from this selected database are listed the.

B Selection of the table from the database selected in the "Connection string". Only data from one table can be used at the same time in the program with this data source.

A You can see the "Connection string" and the selected table "Example".

B The number of rows and columns found are displayed in the element group. A list of the columns found, which can be used in the next steps when selecting data, is also shown for an overview and to check that the file is loaded correctly.

C The first 1000 recognized rows of the SQL table are displayed here in order to be able to check whether this was loaded as desired and the data was recognized.

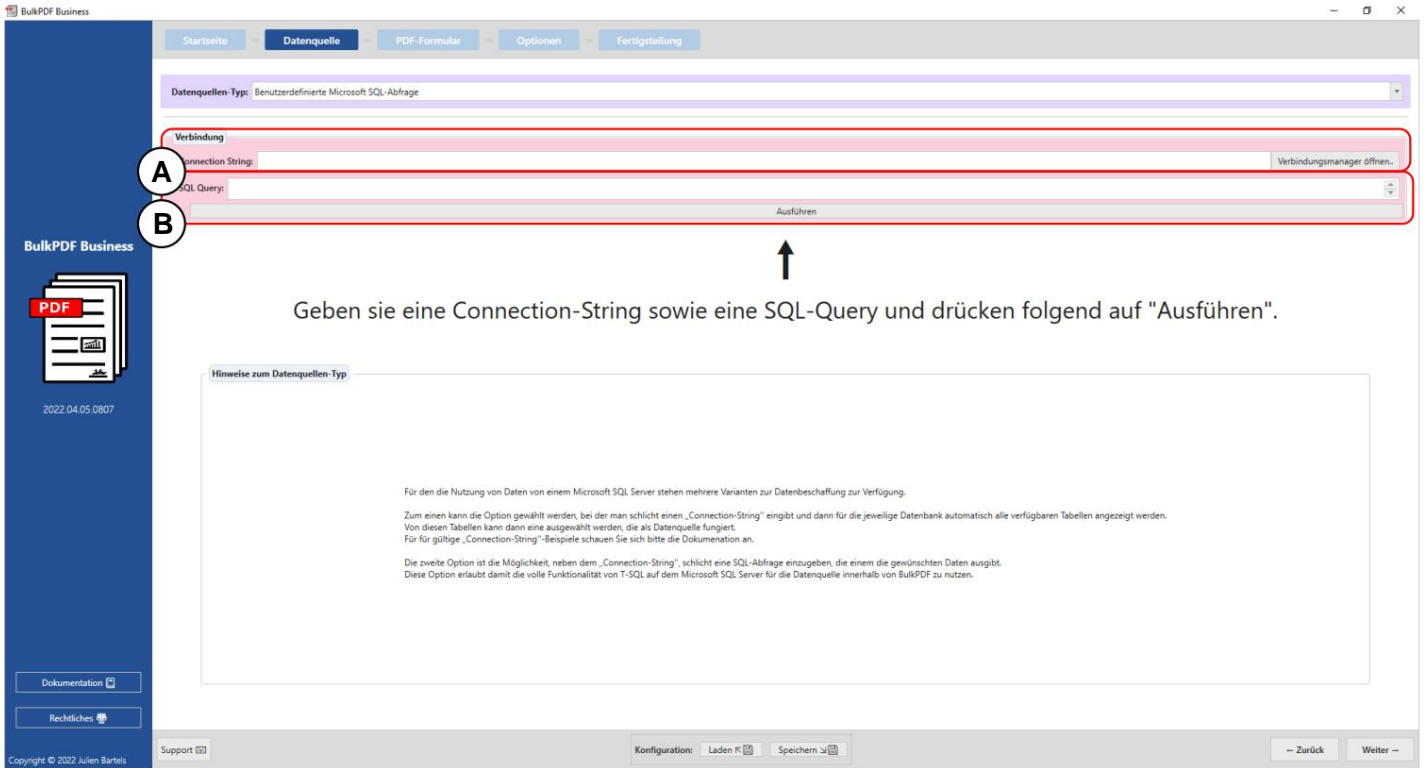
1: Lastname	2: Firstname	3: Adress	4: CheckboxValue	5: Radiobutton_value	6: ComboboxValue
Mueller	Bernd	Weit-Weit-Weg	Yes	1	Kuchen
Mustermann	Max	Mustermann Straße	No	2	Test
Musterfrau	Marie	Mustermann Straße	Yes	3	Keks
Klein	Berthold	Kleiner Weg			
Groß	Anna-Lisa		No	4	
蛋糕	蛋糕	newtme	No	4	
topr	topr	饼干	Yes	3	Keks
1, 1, 4, 4	1, 1, 4, 4	1, 1, 4, 4			

A You can see the "Connection string" and the selected table "Example".

B The number of rows and columns found are displayed in the element group. A list of the columns found, which can be used in the next steps when selecting data, is also shown for an overview and to check that the file is loaded correctly.

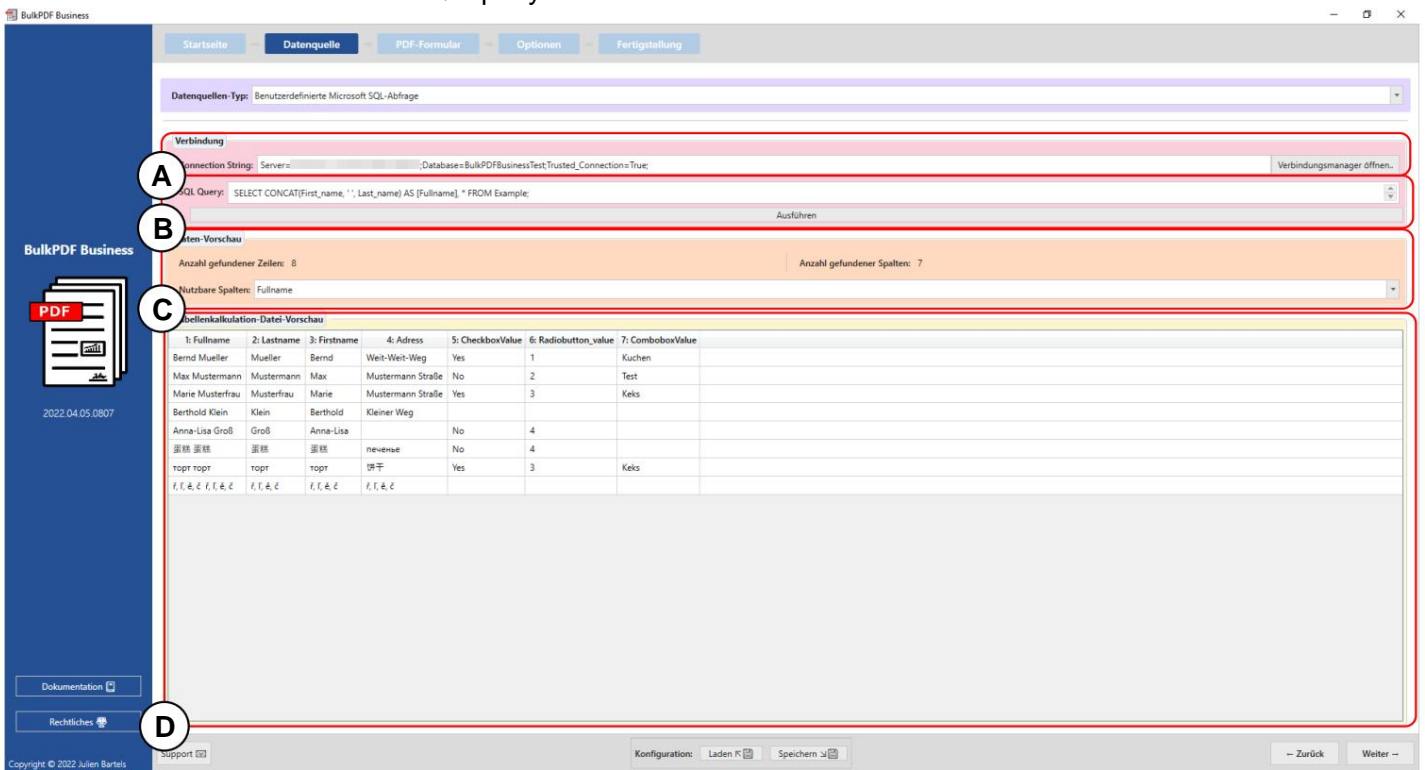
C The first 1000 recognized rows of the SQL table are displayed here in order to be able to check whether this was loaded as desired and the data was recognized.

3.2.4 Microsoft SQL Server Custom Query



A The "Connection string" is specified here.

B This is where the SQL query is written.



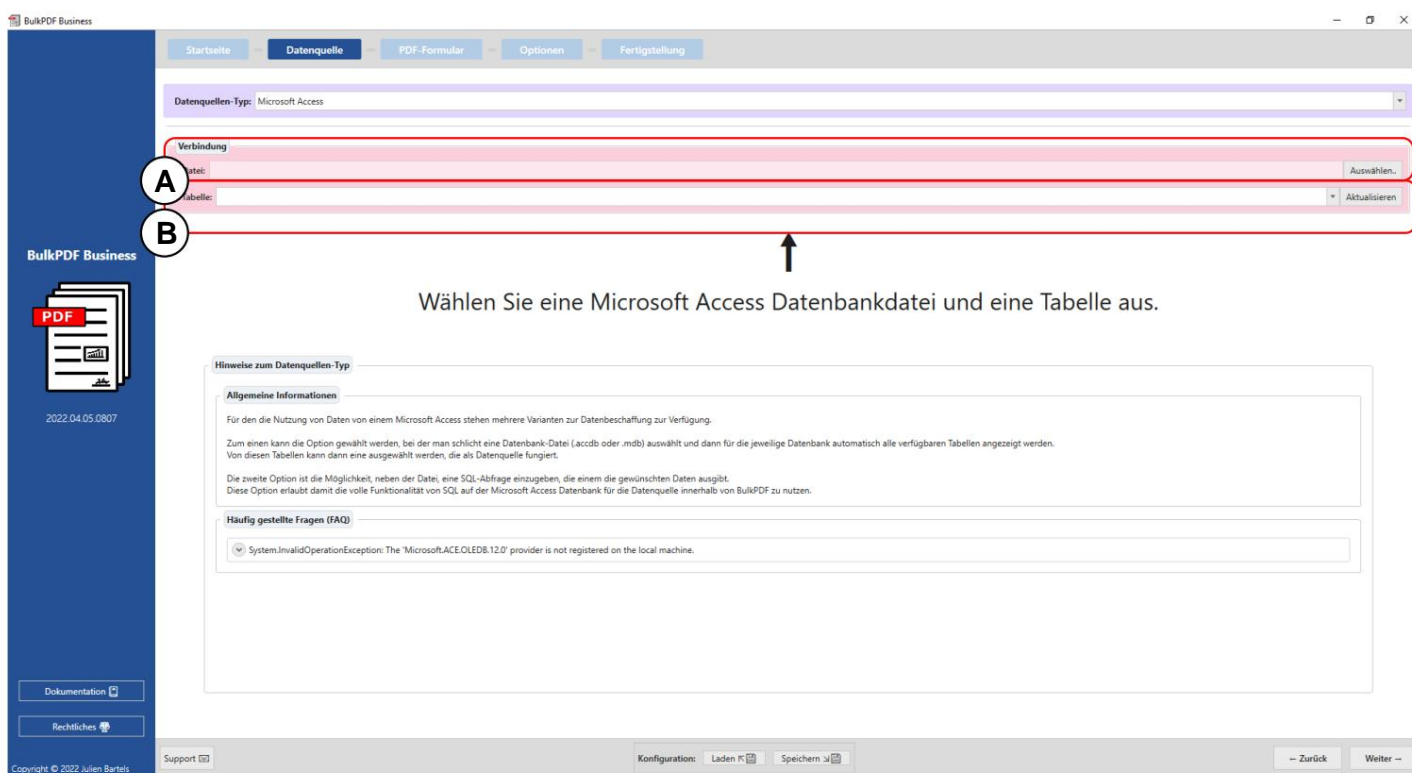
A Connection string: Here, the "Connection string" with the example "Server=SERVERADRESSE;Database=BulkPDFBusinessTest;Trusted_Connection=True;" displayed. For this data source, the "Database" section in the "Connection string" is important because only the tables from this selected database will be listed.

B Here you can see the SQL query.

C The number of rows and columns found are displayed in the element group. A list of the columns found, which can be used in the next steps for data selection, is also shown to provide an overview and to check that the file is loaded correctly.

D The first 1000 recognized rows of the SQL query are displayed here in order to be able to check whether the file was loaded as desired and the data was recognized.

3.2.5 Microsoft Access



A A Microsoft Access database file can be loaded at this point.

B Selection of the table from the selected Microsoft Access database file.

Only data from one table can be used at the same time in the program with this data source.

The screenshot shows the 'Datenquelle' (Data Source) configuration window in BulkPDF Business. The 'Datenquellen-Typ' is set to 'Microsoft Access'. The 'Verbindung' (Connection) section (A) shows the file path '.MSAccess\Database1.accdb' and the selected table 'Tabelle1 (Kundendaten)'. The 'Daten-Vorschau' (Data Preview) section (B) indicates 8 rows and 11 columns found. The 'Tabellenkalkulation-Datei-Vorschau' (Table Calculation File Preview) section (C) displays a table with 8 rows and 11 columns, including fields like ID, Nachname, Vorname, Straße, Hausnummer, Postleitzahl, Ort, Geschlecht, and others.

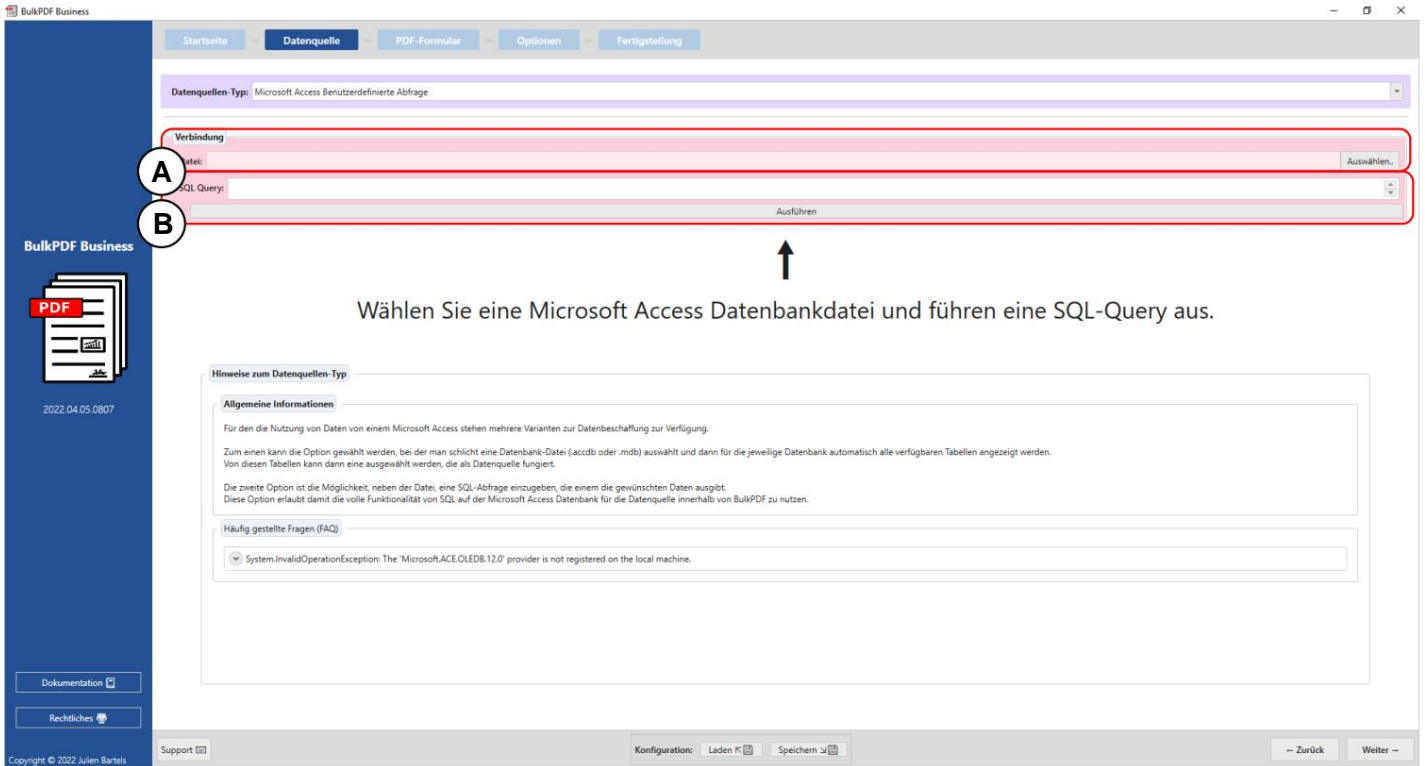
1: ID	2: Nachname (Textbox)	3: Vorname	4: Straße	5: Hausnummer	6: Postleitzahl	7: Ort	8: Geschlecht (Radio Button / Radiobox)	9: Umweltfreundliche Verpackung (Checkbox)	10: Zugehörige Branche (Listbox)	11: Derzeitige Tätigkeit (Combobox)
1	Mueller	Bernd	Weit-Weit-Weg	23	10178	Berlin	1	1	IT	Angestellter
2	Mustermann	Max	Mustermann Straße	5	80331	München	1	0	Industrial	Ehrenamtlicher
3	Musterfrau	Marie	Mustermann Straße	7	31515	Wunstorf	2	Yes	Cake-Factory	Freelancer
4	Klein	Berthold	Kleiner Weg	3	70173	Stuttgart	3	No	Tax	König von Deutschland
5	Groß	Anna-Lisa	Blumenweg	13	40210	Düsseldorf	3	Ja	Top secret	Ehrenamtlicher
6	蛋糕	蛋糕	饼干	17	34117	Kassel	2	是	Industrial	Ehrenamtlicher
7	торт	печенье		2	39104	Magdeburg	1	нет	Cake-Factory	Angestellter
8	ի, է, ը, Շ	הקניטה	이-55	37	24103	Magdeburg	1	si	IT	Angestellter

A You can see the selected Microsoft Access database file and the selected table "Table 1 (customer data)".

B The number of rows and columns found are displayed in the element group. A list of the columns found, which can be used in the next steps when selecting data, is also shown for an overview and to check that the file is loaded correctly.

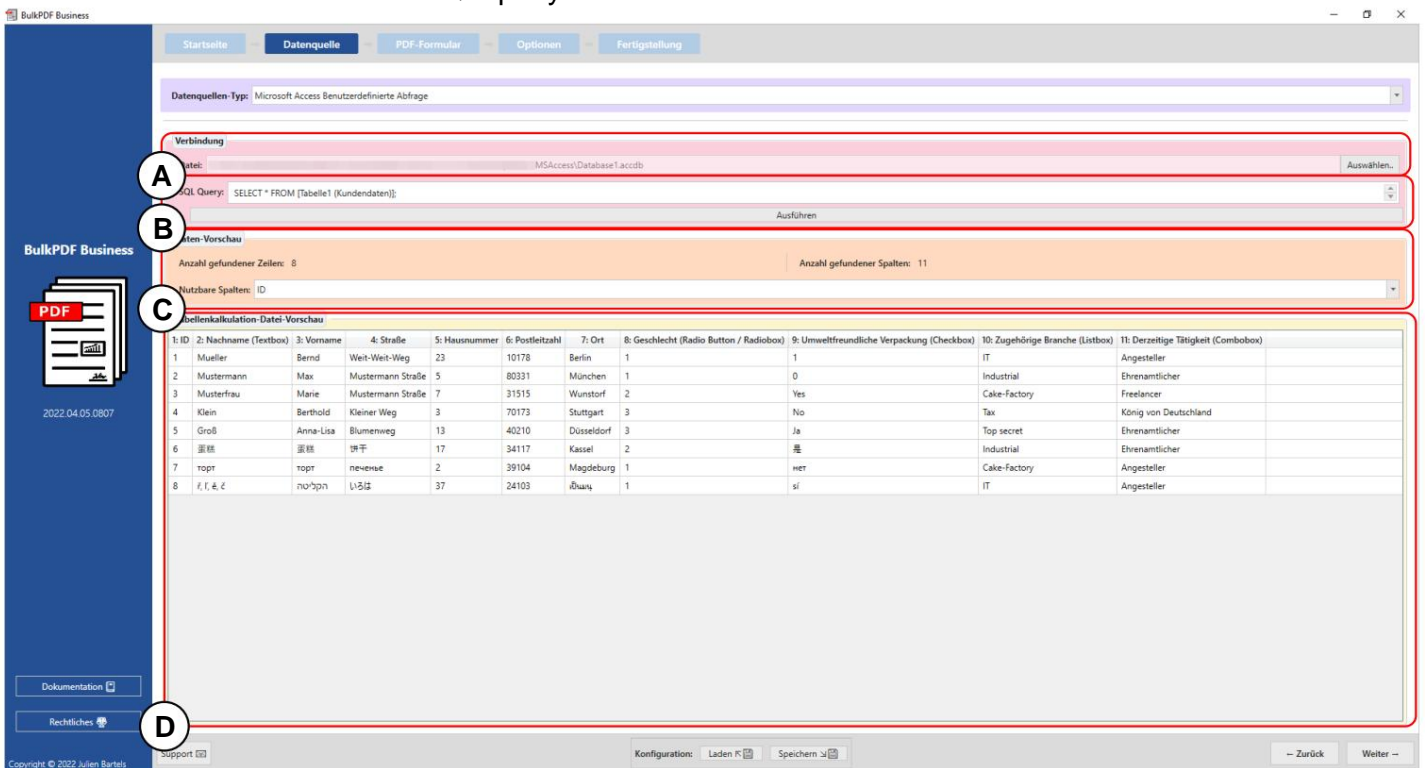
C The first 1000 recognized rows of the table are displayed at this point in order to be able to check whether this was loaded as desired and the data was recognized.

3.2.6 Microsoft Access Custom Query



A A Microsoft Access database file can be loaded at this point.

B This is where the SQL query is written.



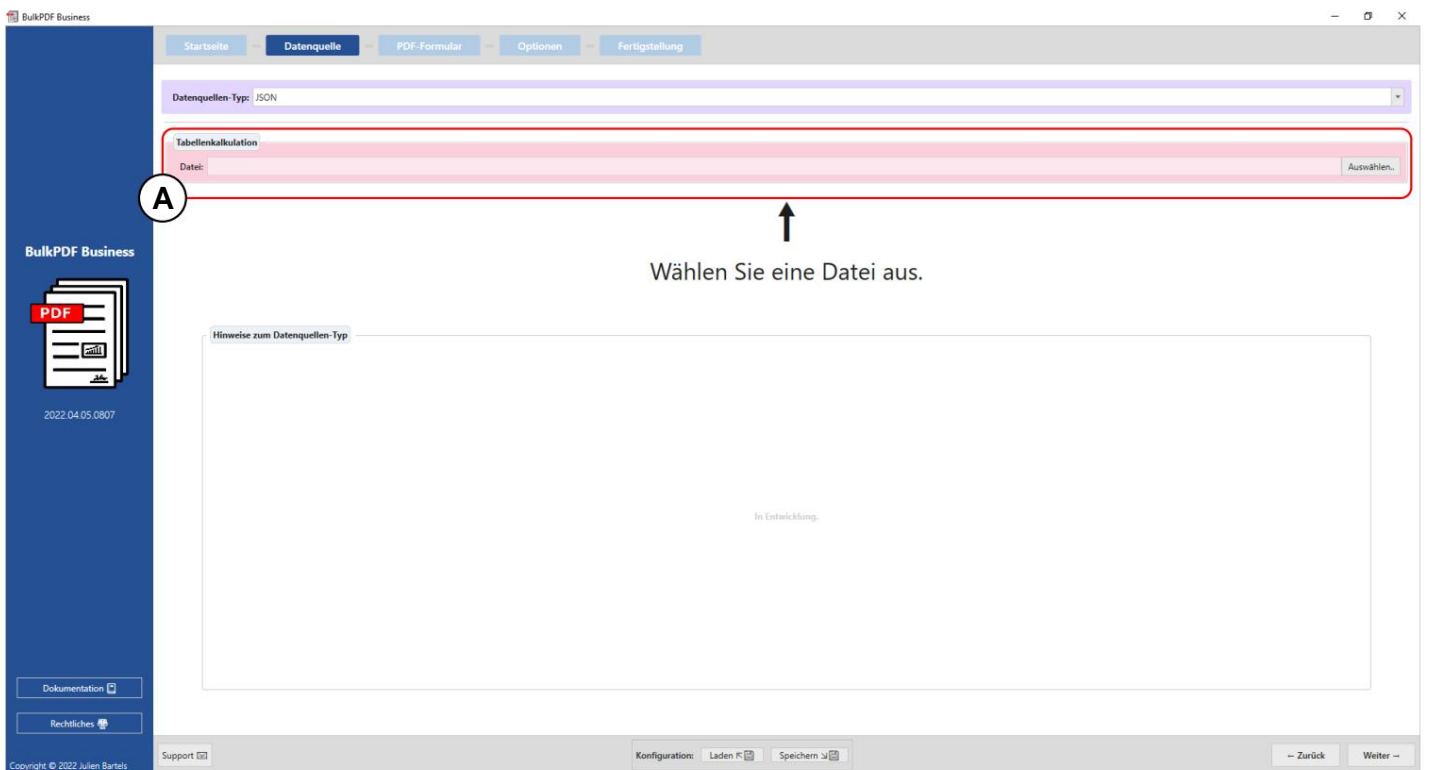
A You can see the selected Microsoft Access database file.

B Here you can see the SQL query.

C The number of rows and columns found are displayed in the element group. A list of the columns found, which can be used in the next steps for data selection, is also shown to provide an overview and to check that the file is loaded correctly.

D The first 1000 recognized rows of the SQL query are displayed here in order to be able to check whether the file was loaded as desired and the data were recognized.

3.2.7 JSON



A A JSON file can be loaded at this point.

A File: You can see a selected JSON file.

B Data preview: The number of rows and columns found are displayed in the element group. A list of the columns found, which can be used in the next steps for data selection, is also shown to provide an overview and to check that the file is loaded correctly.

C Data preview: At this point, the first 1000 recognized lines of the File is displayed in order to check whether the file was loaded as desired and the data was recognized.

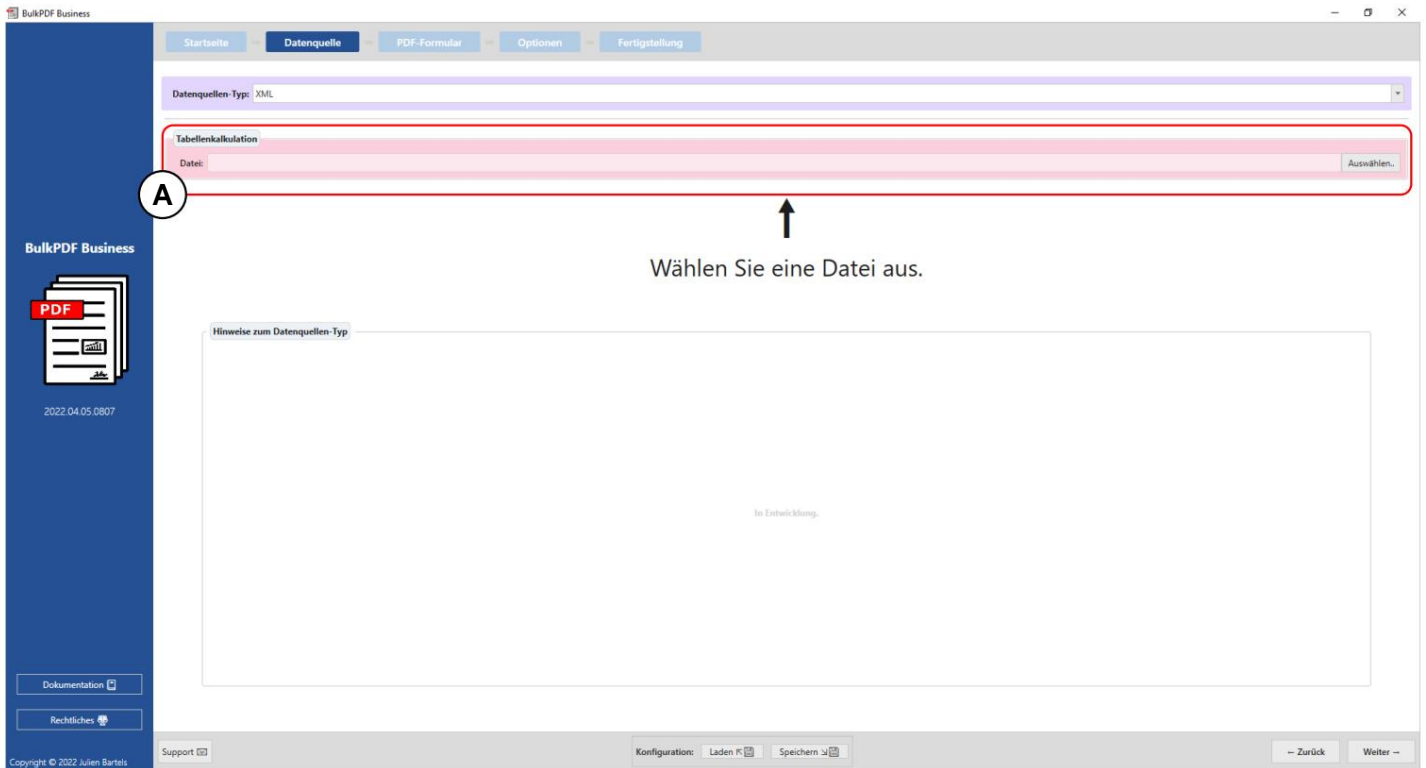
1: Lastname	2: Firstname	3: Address	4: CheckboxValue	5: Radiobutton_value	6: ComboboxValue
Mueller	Bernd	Weit-Weit-Weg	Yes	2	Kuchen
Mustermann	Max	Mustermann Straße	No	1	Test
Musterfrau	Marie	Mustermann Straße	Yes	3	Keks
Klein	Berthold	Kleiner Weg			
Groß	Anna-Lisa		No	4	
蛋糕	蛋糕	neverse	No	4	
topr	topr	饼干	Yes	3	Keks
f, f, & c	f, f, & c	f, f, & c			

A File: You can see a selected JSON file'.

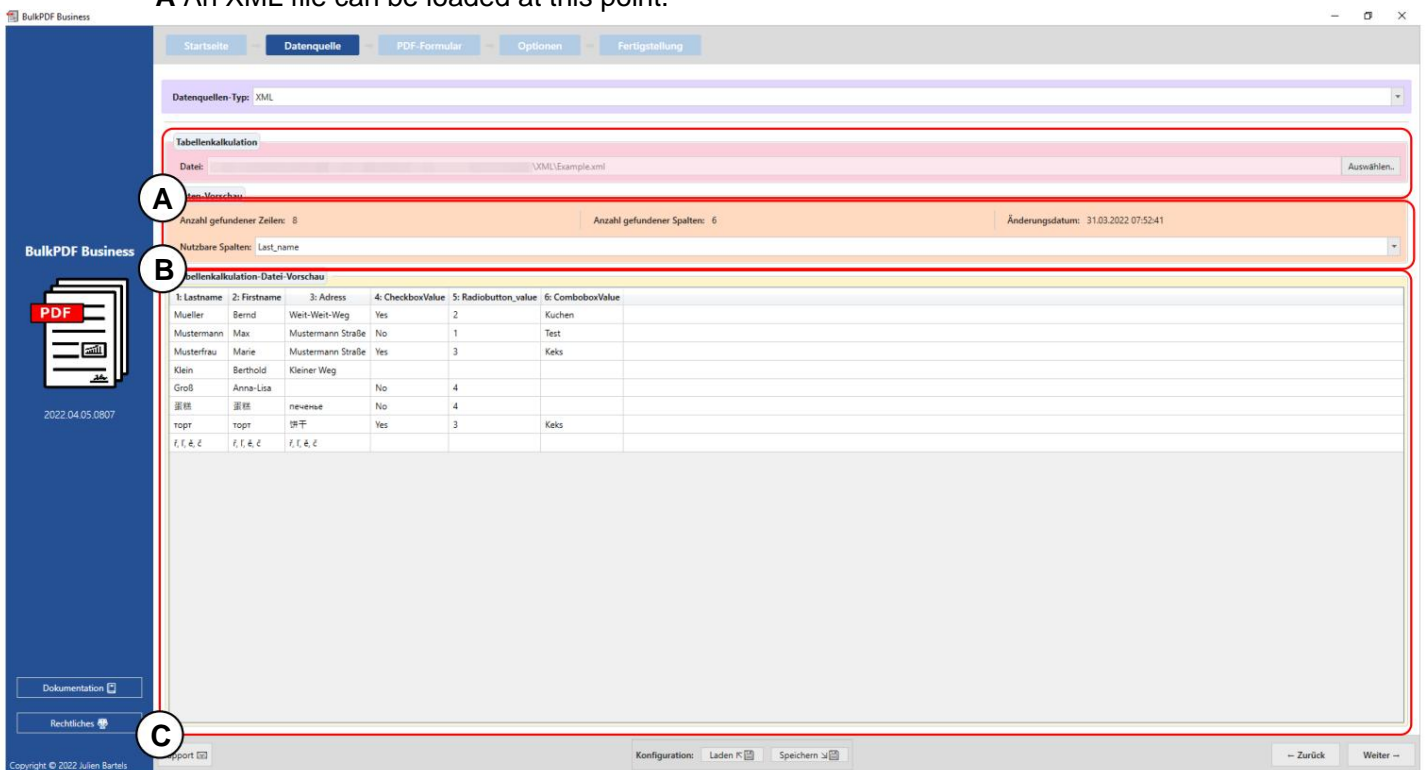
B Data preview: The number of rows and columns found are displayed in the element group. A list of the columns found, which can be used in the next steps for data selection, is also shown to provide an overview and to check that the file is loaded correctly.

C Data preview: At this point, the first 1000 recognized lines of the File is displayed in order to check whether the file was loaded as desired and the data was recognized.

3.2.8 XML



A An XML file can be loaded at this point.



A File: You can see a selected XML file!

B Data preview: In the element group, the number of found rows and the columns found are displayed. Likewise, a list of found Columns that can be used in the next steps when selecting data are shown for an overview and to check that the file is loaded correctly.

C Data preview: At this point, the first 1000 recognized lines of the file is displayed in order to check whether the file was loaded as desired and the data has been recognized.

3.2.9 Spreadsheet / Excel (swapped columns and rows)

This data source type behaves similar to the normal "Spreadsheet / Excel" data source types (see section 3.2.2) with the difference that the Load the columns and rows to be swapped. With this behavior, for example a spreadsheet file can be loaded with the following structure:

First name	Bernd	Max	Marie	...
Last name	Mueller	Mustermann	model woman	...
address	Far-Far-Away Mustermann Street Mustermann Street ...			
...

3.2.10 MySQL/MariaDB Server

BulkPDF Business

Startseite | **Datenquelle** | PDF-Formular | Verbleibende Optionen | Fertigstellung

Datenquellen-Typ: MySQL / MariaDB Tabellenauswahl

A Verbindung

Verbindungsstring: Server=localhost;Database=BulkPDFBusiness;User=root;Password=

B Tabellen

↑

Stellen Sie eine SQL-Verbindung her und wählen eine Tabelle aus.

Hinweise zum Datenquellen-Typ

Für die Verwendung von Daten aus einem MySQL- oder MariaDB-Server stehen mehrere Varianten zum Datenabruf zur Verfügung.

Zum einen kann die Option gewählt werden, bei der man einfach einen "Connection String" eingibt und dann automatisch alle verfügbaren Tabellen der jeweiligen Datenbank angezeigt werden. Aus diesen Tabellen kann dann eine ausgewählt werden, die als Datenquelle fungieren soll. Beispiele für gültige Verbindungsstrings finden Sie in der Dokumentation.

Die zweite Option ist die Möglichkeit, neben dem Verbindungsstring einfach eine SQL-Abfrage einzugeben, die die gewünschten Daten zurückgibt. Mit dieser Option können Sie die volle Funktionalität von SQL auf dem Server für die Datenquelle in BulkPDF nutzen.

Dokumentation | Rechtliche Hinweise

Copyright © 2023 Tadeltsch UG (haftungsbeschränkt) | Support | Konfiguration: Laden | Speichern | Zurück | Weiter

A Connection string: Here is the "Connection string" with the example ,Server=SERVER ADDRESS;Database=BulkPDFBusinessTest;User Id=myUsername;Password=myPass viewable. The "Database" section in the "Connection string" is of particular importance because only the tables of the specified database are listed.

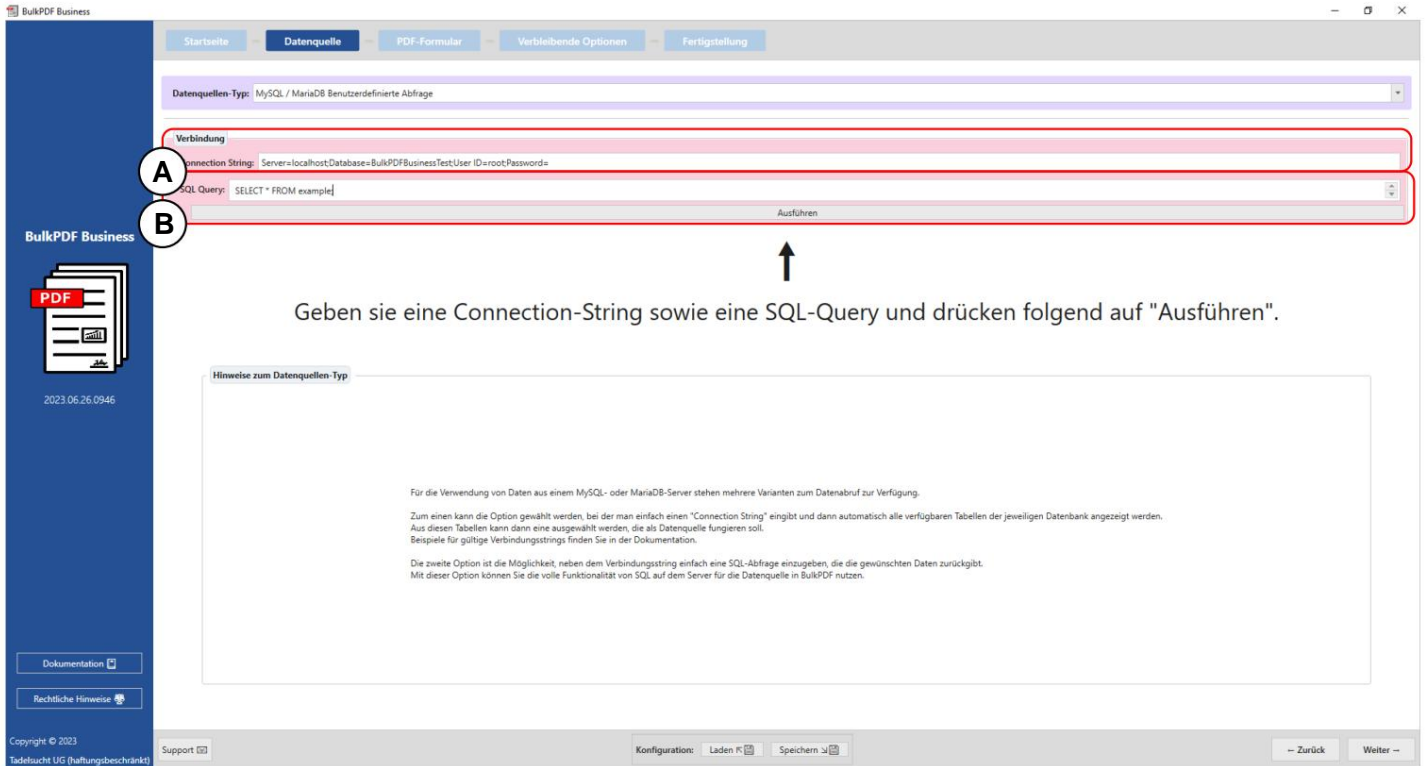
B Here you can select the table from the one specified in the "Connection string". database instead. Note that only data from a single table can be used within this data source at a time.

A Here you can see the entered "Connection string" and the selected table "Ex ample".

B This area shows the number of rows and columns identified. A list of the recognized columns is also provided, which can be used in the next steps for data selection.

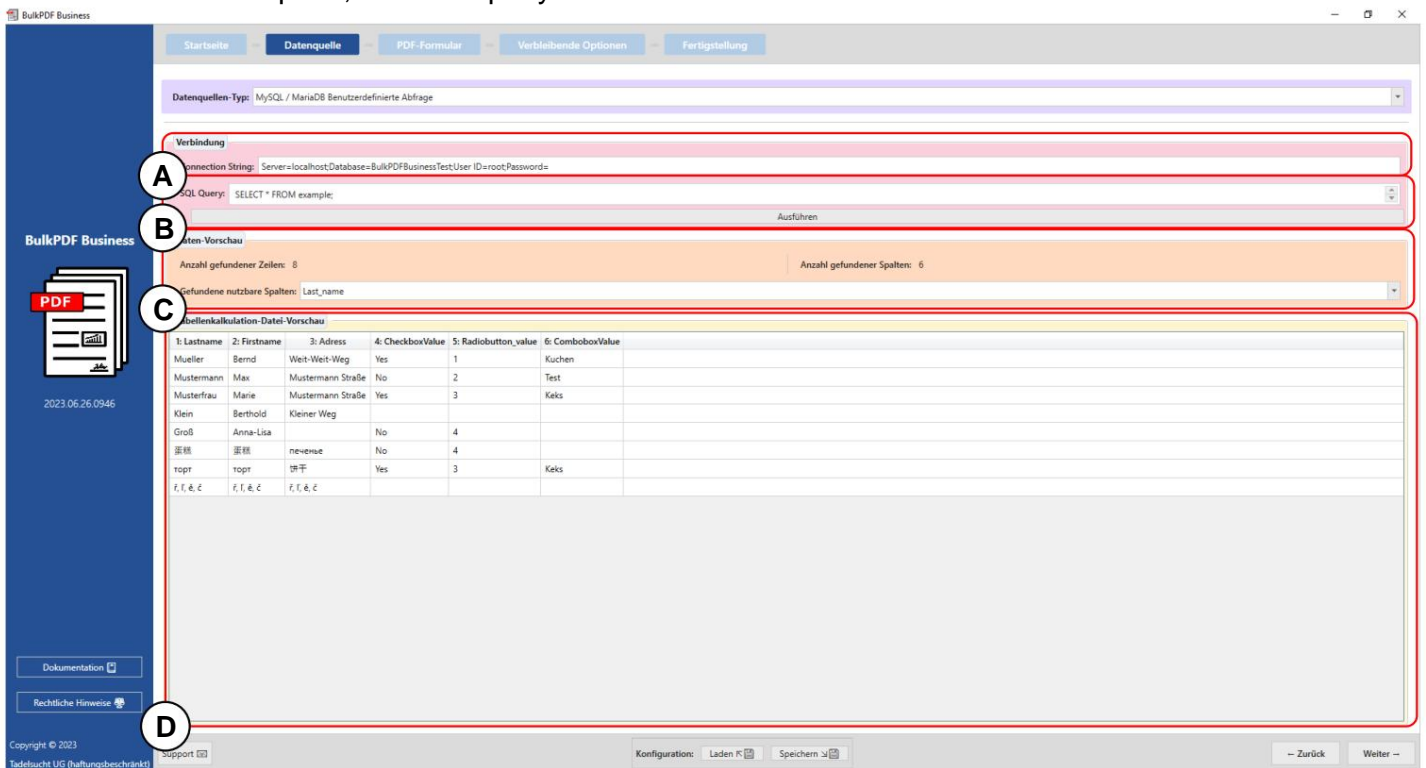
C This section shows the first 1000 rows of the SQL table. This allows checking if the table was loaded correctly and the data were adequately identified.

3.2.11 MySQL/MariaDB Server Custom Query



A The connection string is entered here.

B At this point, the SQL query is formulated.



A Connection string: At this point, the "Connection string" can be viewed with the example ,Server=SERVERADRESSE;Database=BulkPDFBusinessTest;UserId=myUsername;Password=myPass. For this data source, the "Database" section in the "Connection string" is important because only the tables from this selected database will be listed.

B The formulated SQL query can be seen here.

C In this section, the number of rows and columns found are displayed. A list of recognized columns is also visible, which can be used in subsequent steps when selecting data.

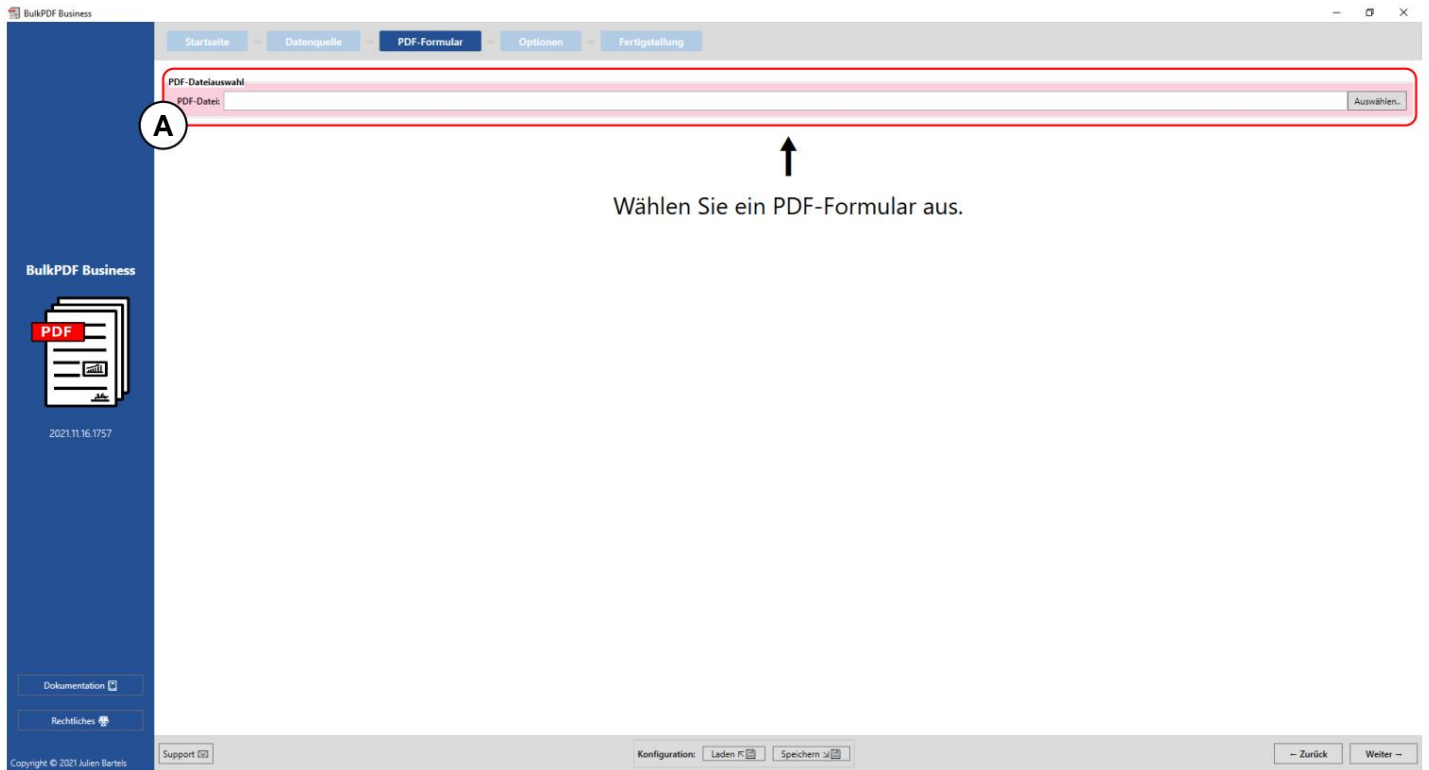
D The first 1000 rows of the SQL query are displayed in this area.

This is to verify that the query loaded as intended and the data has been correctly identified.

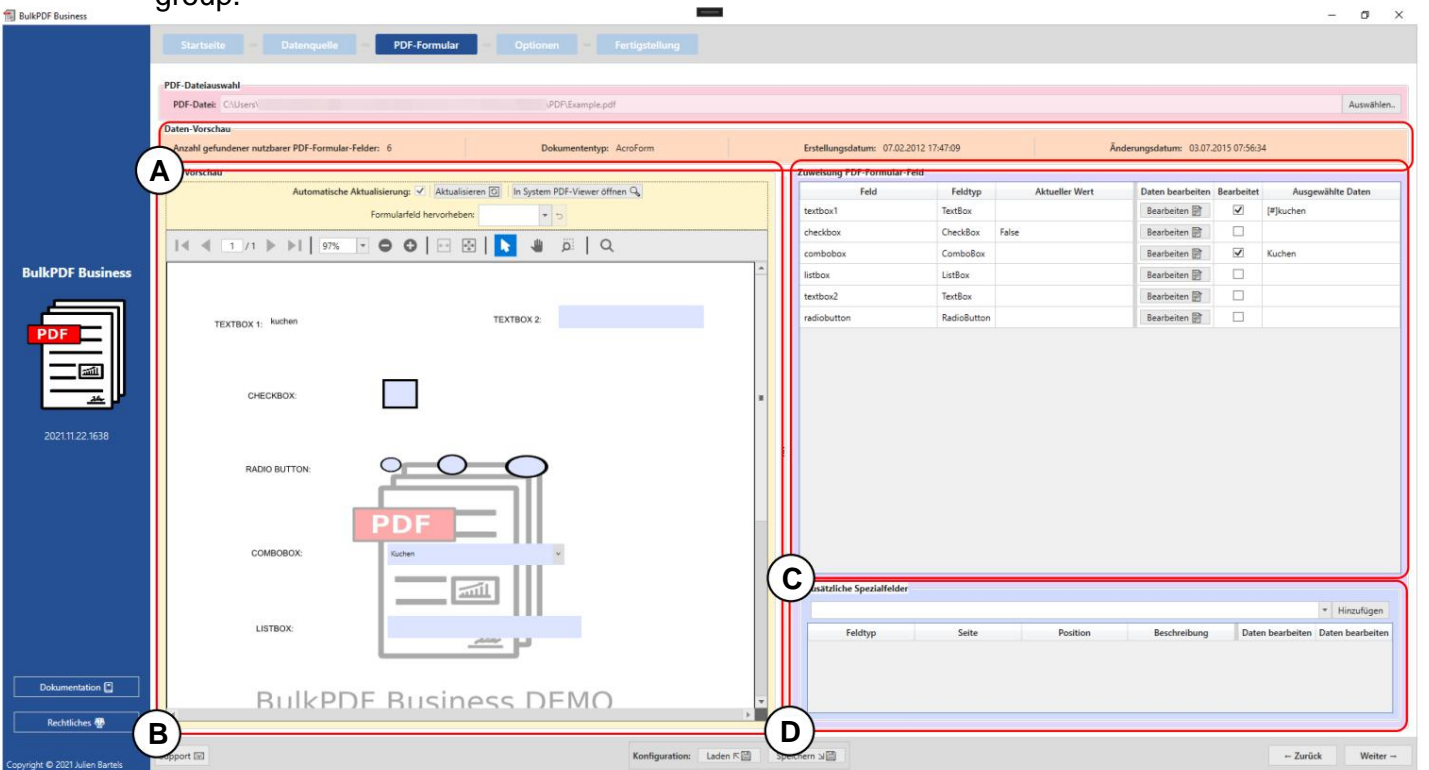
3.3 PDF form

In this step, the data from the data source is assigned to the fields of the PDF form. This is supported by a live preview of the PDF with the data in the first row of the data source. Furthermore, special fields such as QR codes, barcodes, hyperlinks, images, etc. can be added to the PDF document the.

3.3.1 Overview



A PDF file selection: The PDF form to be filled out can be selected in this element group.



A This element group shows the "Number of usable PDF form fields found", the document type or the document format (AcroForm or XFA), the creation date and the modification date. The creation date and modification date are only displayed if they could be determined.

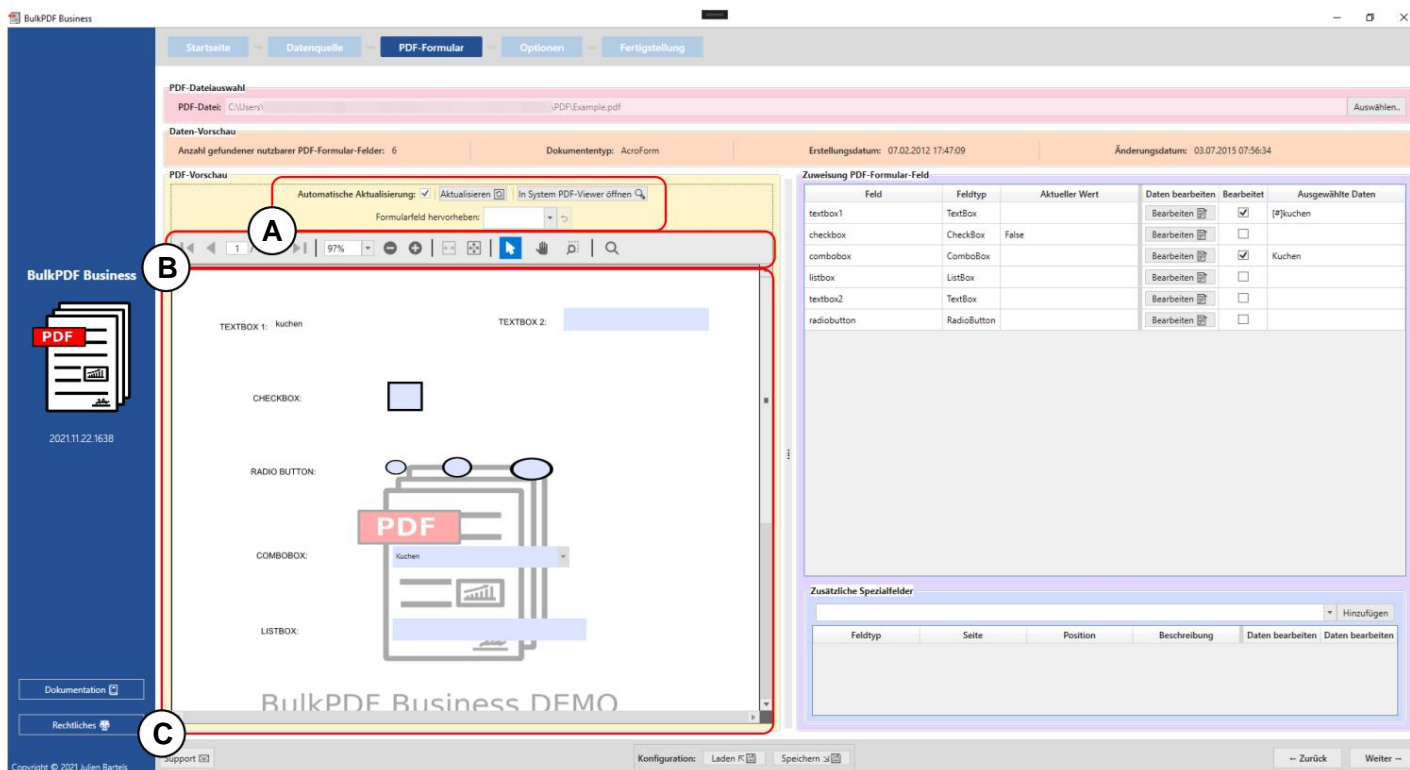
B PDF preview: The group of elements contains the preview of the PDF form. Any change to the assignment of the data to the PDF is reflected here with the first Line of data source shown to better understand what is rendered to get changes. The same applies to the functionalities group, in order to highlight form fields that may have been badly named by the author of the PDF form, so that you can see which field is hidden behind the cryptic name. (See Section 3.3.2 for more information on the PDF preview .)

C PDF form field assignment: All form fields found in the PDF form are listed in this table. The order depends on the order in which the author last edited the form fields

has what in most cases is the vertical order of the fields in the PDF itself corresponds, but does not always have to be the case. About the individual lines can the data assignment of the fields can be changed. (See for more information to this element group section 3.3.3.)

D Additional special fields: In this element group, special fields such as barcodes, hyperlinks, images, etc., are added to the document. How even with the form fields that are already contained in the document, it is possible dynamically assign data from the data source to the added special fields. (See Section 3.3.14 for more information.)

3.3.2 PDF Preview



A At this point, the automatic update of the PDF preview can be used. Changes in data allocation will be disabled if necessary for reasons of computer power appears necessary. Furthermore, the update can be done manually the preview or the preview PDF can be opened in the standard PDF viewer stored in Windows (for changing the standard PDF viewer see Section 7.11). The element group also offers a function, after selecting the name of a form field, to

field to be highlighted. This feature is especially useful when the author of the PDF form did not name the form fields clearly and only names such as "Text field 1" instead of, for example, "Customer address" were assigned.

B Here you will find functions for the PDF preview, such as B. Zoom, a search etc.

C Here is the preview PDF itself. Any changes to this preview are temporary and will be discarded the next time the preview is updated. If you absolutely want to save the preview, you can use Go to the "Open in System PDF Viewer" button. Depending on the standard PDF viewer stored in your operating system, you can save the PDF preview there permanently on your system.

3.3.3 Mapping data to PDF form fields

The screenshot shows the BulkPDF Business software interface. The main window displays a PDF document with form fields. On the right, there is a table titled 'Zuweisung PDF-Formular-Feld' (Assignment PDF-Formular-Feld) with the following columns: 'Feld' (Field), 'Feldtyp' (Field type), 'Aktueller Wert' (Current value), 'Daten bearbeiten' (Edit data), 'Bearbeitet' (Edited), and 'Ausgewählte Daten' (Selected data). The table contains the following data:

Feld	Feldtyp	Aktueller Wert	Daten bearbeiten	Bearbeitet	Ausgewählte Daten
textbox1	TextBox			<input checked="" type="checkbox"/>	Kuchen
checkbox	CheckBox	else		<input type="checkbox"/>	
combobox	ComboBox			<input checked="" type="checkbox"/>	Kuchen
listbox	ListBox			<input type="checkbox"/>	
textbox2	TextBox			<input type="checkbox"/>	
radiobutton	RadioButton			<input type="checkbox"/>	

Below the table, there is a section for 'Zusätzliche Spezialfelder' (Additional special fields) with a table structure similar to the one above. The interface also includes a PDF preview on the left and a sidebar with 'BulkPDF Business' branding and navigation buttons.

A Field: The names of the form fields are displayed in this column.

B Field Type: This column shows the field type of each form field, such as e.g. text fields, checkboxes, radio buttons, combo boxes, list boxes, etc.

C Current Value: Shows the current content of the form field if none Processing done by BulkPDF Business.

D Edit data: This button leads to the individual configurations windows for the different form fields as well as their different fields types.

E Edited: Shows whether the data assignment in BulkPDF Business has been edited for the form field.

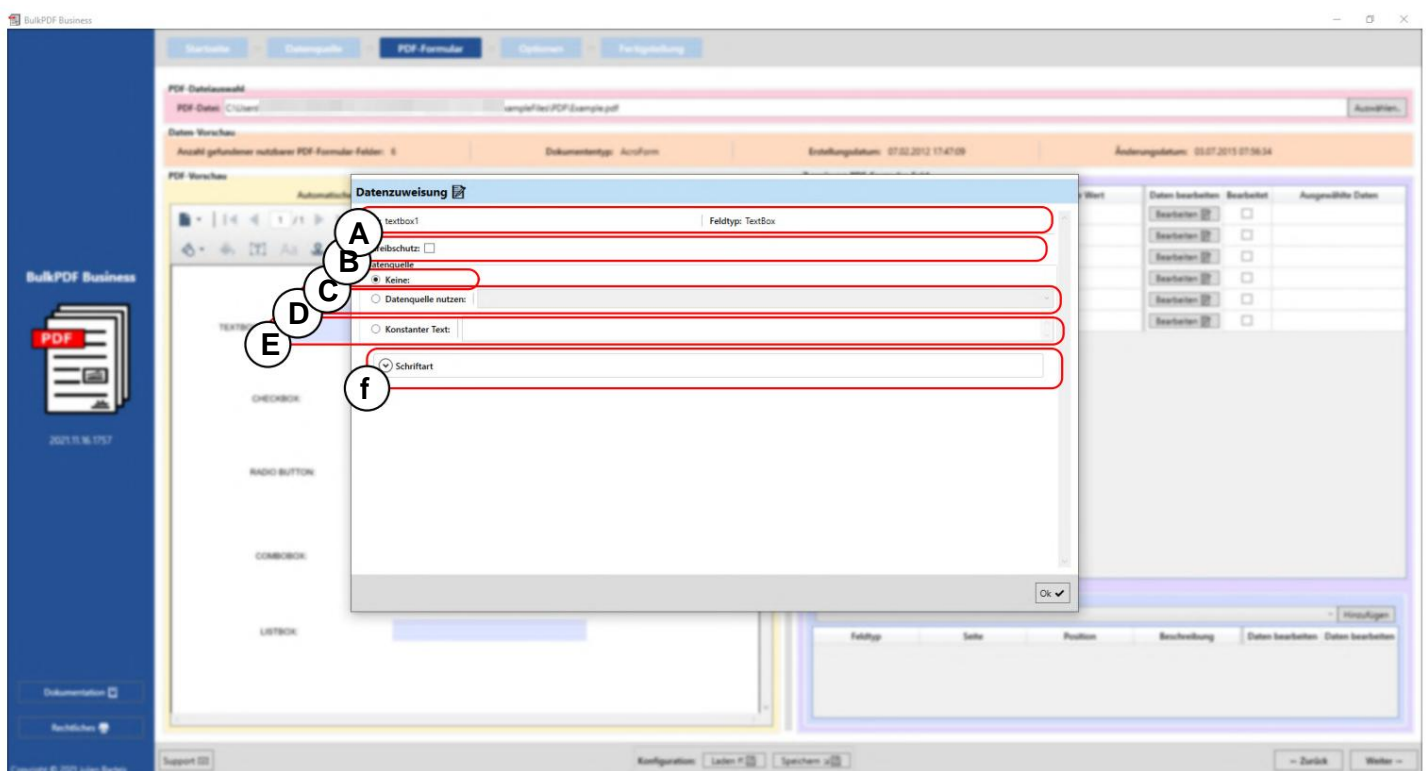
F Selected Data: This column is a representation of the assigned Data.

Write Protection This column indicates whether write protection has been applied to the field.

Automatic field data assignment Below the normal assignment table there is a button "Automatic field data assignment". This button automatically assigns the appropriate columns from the data source to the fields. A comparison is made of how many characters are different between the name of the form field and the individual column names from the data source. The column name with the smallest difference is then taken. The maximum difference that is allowed can be set in the text field "Maximum name difference for assignment" next to the button. "2" is set as the default value there. This means that, for example, the "Customer" field would be assigned the "Customa" column since only two changes are needed to make "Customer" a "Custom". These changes are removing the "r" at the end of the sentence and replacing the "e" with an "a". (See <https://de.wikipedia.org/wiki/Levenshtein-Distanz> , if applicable)

Practical tip from a user: If the automatic mapping with the Default value 2 worked, try 1 and 0 as well. Scroll to see which fields may not have been auto-recognized please to the end of the field list.

3.3.4 Textbox & General Field Data Selection



A The form field name and the field type, such as text fields, check boxes, radio buttons, combo boxes, list boxes, etc., are displayed here.

B Write protection: With this box the write protection for the Formula be activated. As a result, this field after processing can no longer be processed by BulkPDF Business. The data the BulkPDF has written in the field are thus fixed invariably. (For an example and for more information see Section 3.3.7).

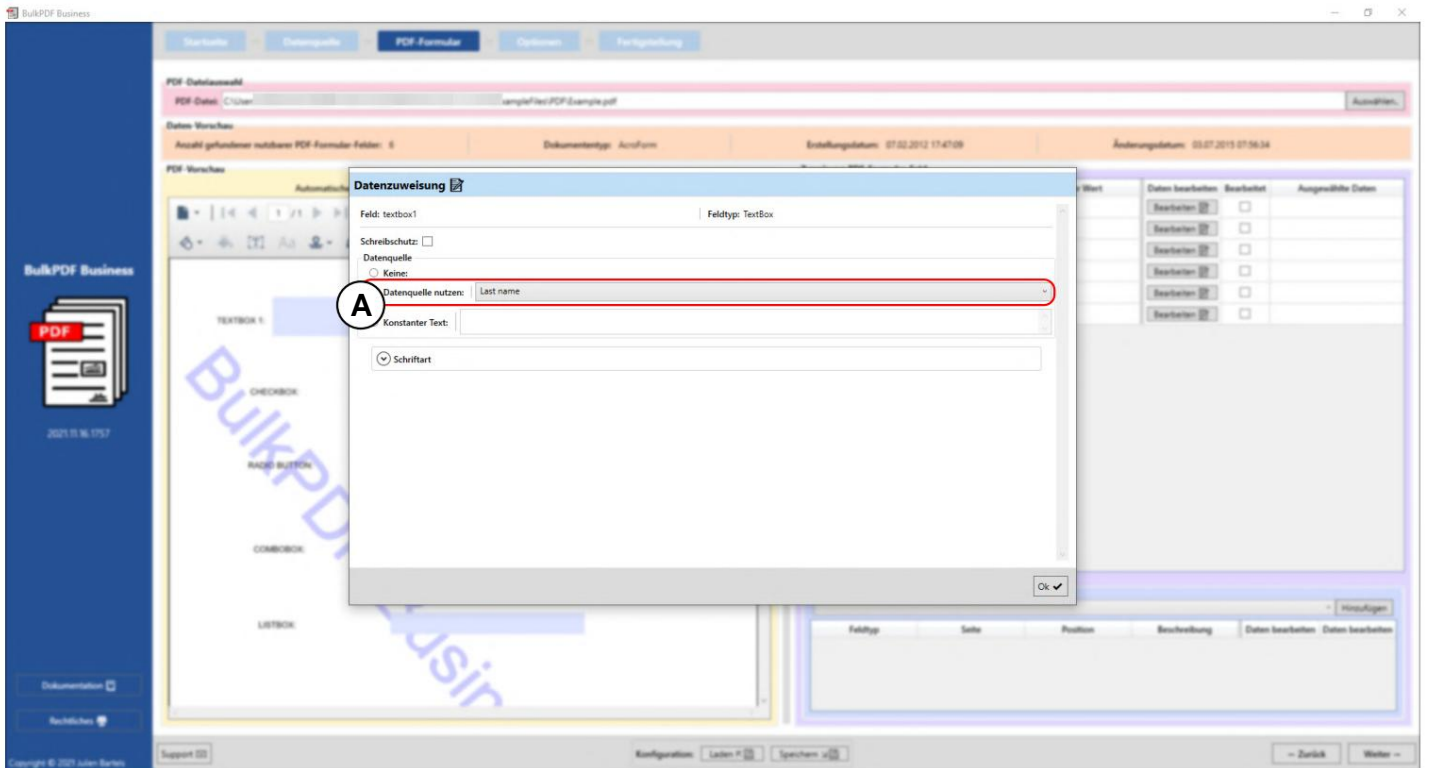
C No data assignment: If this option is used, the form field keeps the content it already has.

D Use data source: With this option, a column from the data source to be chosen. The field will then follow with the value from that column filled. (See Section 3.3.5 for more information).

E Constant text: This option allows you to enter a constant text in the form field that is the same for all completed PDF documents at the end. (See Section 3.3.6 for more information).

F Font: The font of the form field can be entered here (see see Section 3.7.4).

3.3.5 Use data source for form field



Here you can see that the user is currently in the editing window for the field "textbox1" and for this the data source is used (see A).

The data source column "Last name" is selected there for the data source, which means that the field is filled with the data from this column.

The screenshot displays the BulkPDF Business software interface. The main window is titled "PDF-Formular" and shows a PDF preview on the left and a data source table on the right. The data source table is titled "Zuweisung PDF-Formular-Feld" and contains the following data:

Feld	Feldtyp	Aktueller Wert	Daten bearbeiten	Bearbeitet	Ausgewählte Daten
ok1	TextBox		Bearbeiten	<input checked="" type="checkbox"/>	Last name
box	CheckBox	False	Bearbeiten	<input type="checkbox"/>	
combobox	ComboBox		Bearbeiten	<input type="checkbox"/>	
listbox	ListBox		Bearbeiten	<input type="checkbox"/>	
textbox2	TextBox		Bearbeiten	<input type="checkbox"/>	
radiobutton	RadioButton		Bearbeiten	<input type="checkbox"/>	

The preview window shows a PDF form with the following fields:

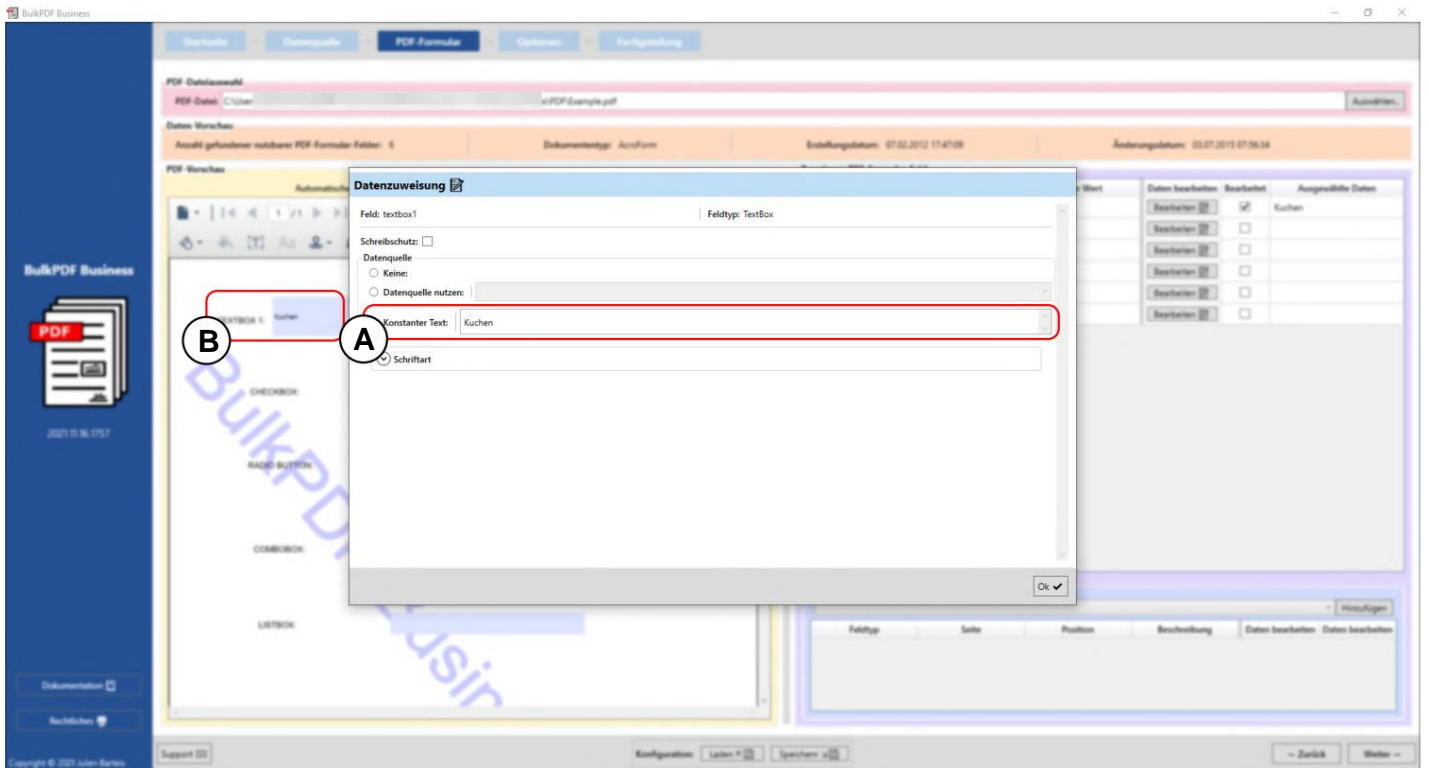
- TEXTBOX 1: Mueller
- TEXTBOX 2: [Empty]
- CHECKBOX: [Empty]
- RADIO BUTTON: [Empty]
- COMBOBOX: [Empty]
- LISTBOX: [Empty]

The interface also includes a sidebar with "BulkPDF Business" branding and a footer with "Copyright © 2021 Julien Bartsch".

After the editing window has been closed, the PDF preview is updated automatically and shows the completed PDF form with the data in the first line of the data source for the changed configuration. This can be seen marked here at **A**. The value or content of the first row of the "Last name" column was filled into the form field "textbox1", which in this case is "Mueller".

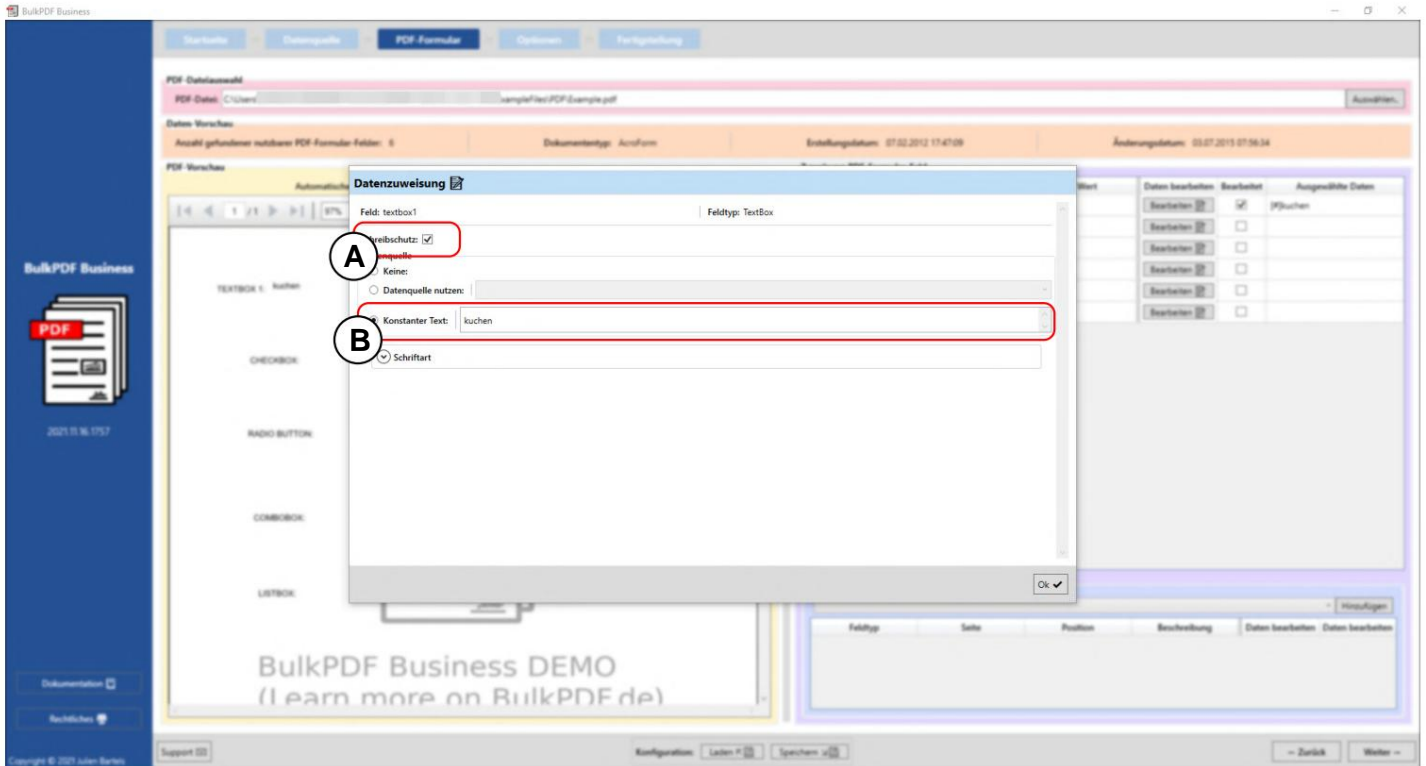
The fact that the form field was manually edited in BulkPDF Business can also be seen at **B**, where the "Edited" column is now highlighted and a representation of the selected data can be seen.

3.3.6 Set constant text for form field

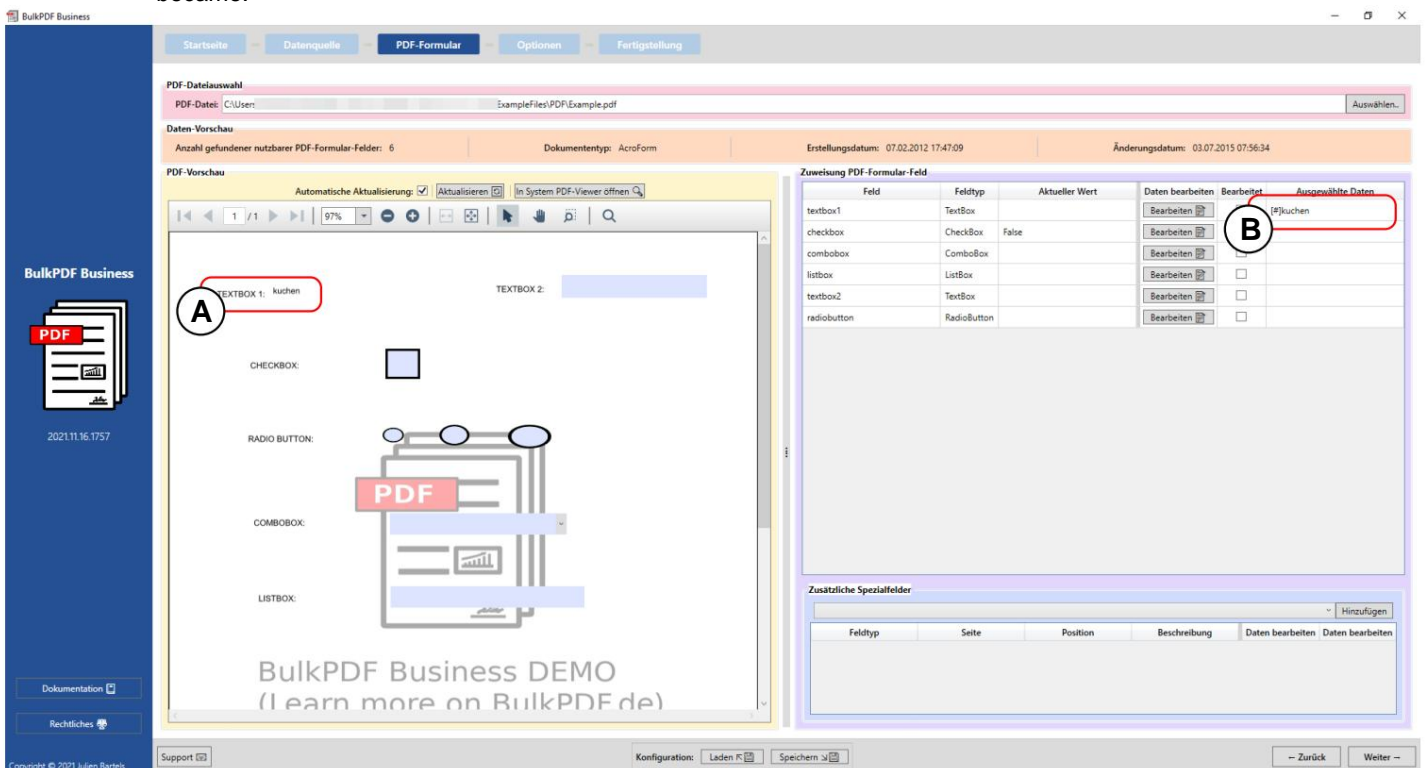


The constant behaves the same as "Use data source" (see section 3.3.5) with the difference that the content that is filled in the form field is the same for all documents, regardless of the data source. This can be seen at A, where the value "cake" was entered for the form field "textbox1". The constant value can already be seen in the background at B in the field.

3.3.7 Write protection on individual form fields



In this example you can see that the step protection box **(A)** has been ticked and the write protection for the form field "textbox1" has been selected. At **B** you can see that the constant text "kuchen" is set for the data became.



A Here you can see that the "textbox1" form field can no longer be edited and the constant text "cake" is now the content of the field.

B The constant text "cake" can be seen in the representation of the selected data.

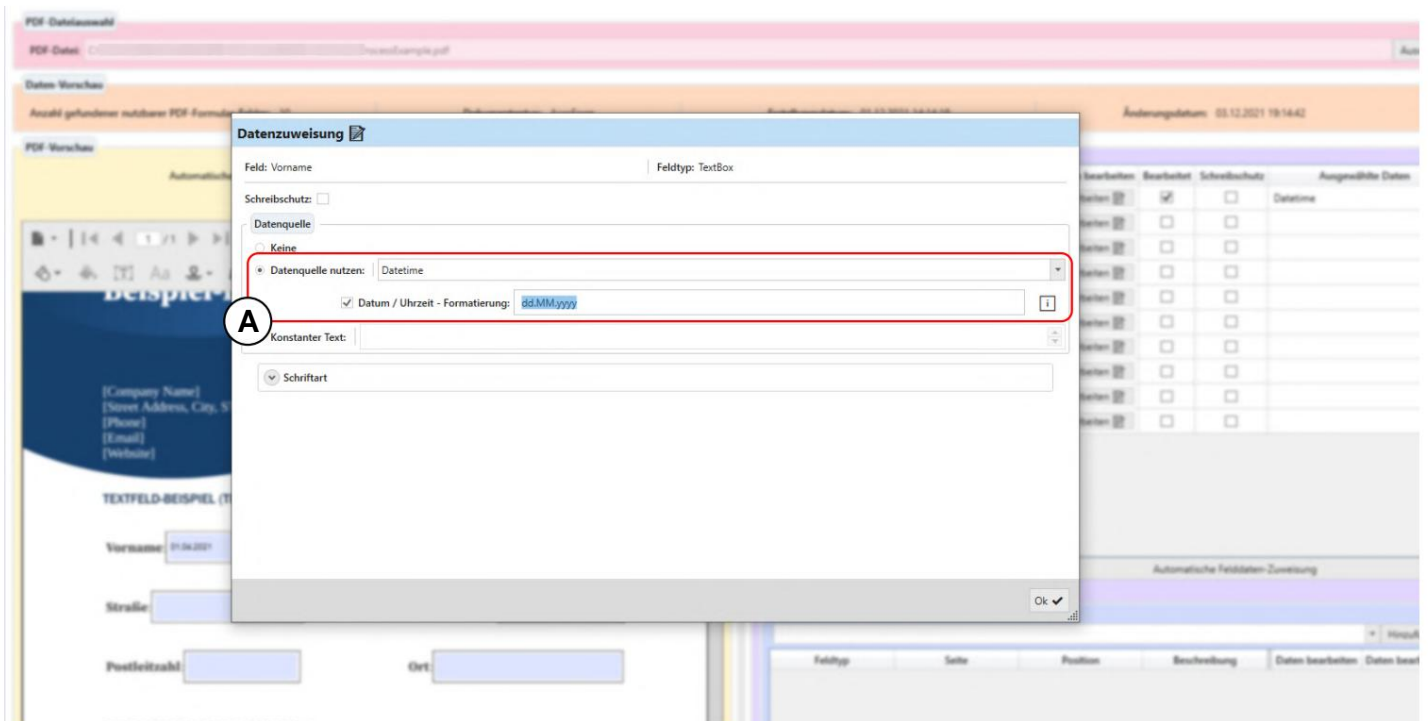
3.3.8 Date formatting for form fields

To explain the date formatting for form fields, a short example is shown below:

The screenshot shows a configuration interface for a data source. It includes sections for 'Datenquellen-Typ', 'Tabellenkalkulation', 'Daten-Vorschau', and 'Tabellenkalkulation-Datei-Vorschau'. A red box highlights a table in the 'Tabellenkalkulation-Datei-Vorschau' section, and a circled 'A' points to it.

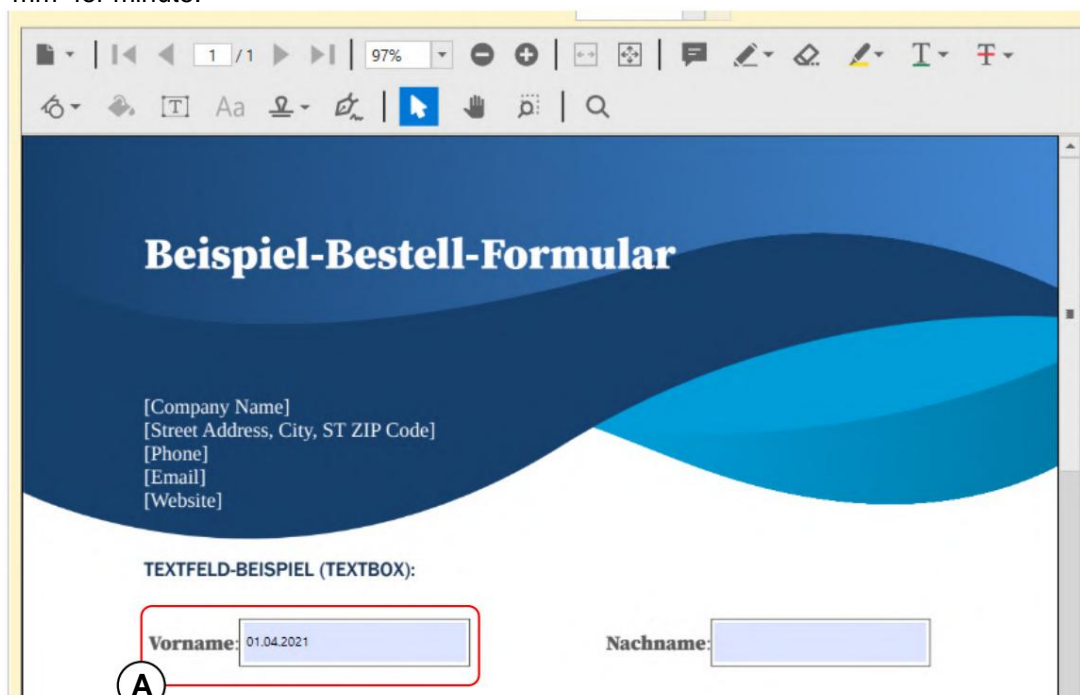
1: Datetime
01.04.2021 00:00:00
15.01.2022 15:04:07
15.06.2009 13:45:30
2009-06-15T13:45:30

A Here are various data formats that are recognized as a date, among other things to see that.



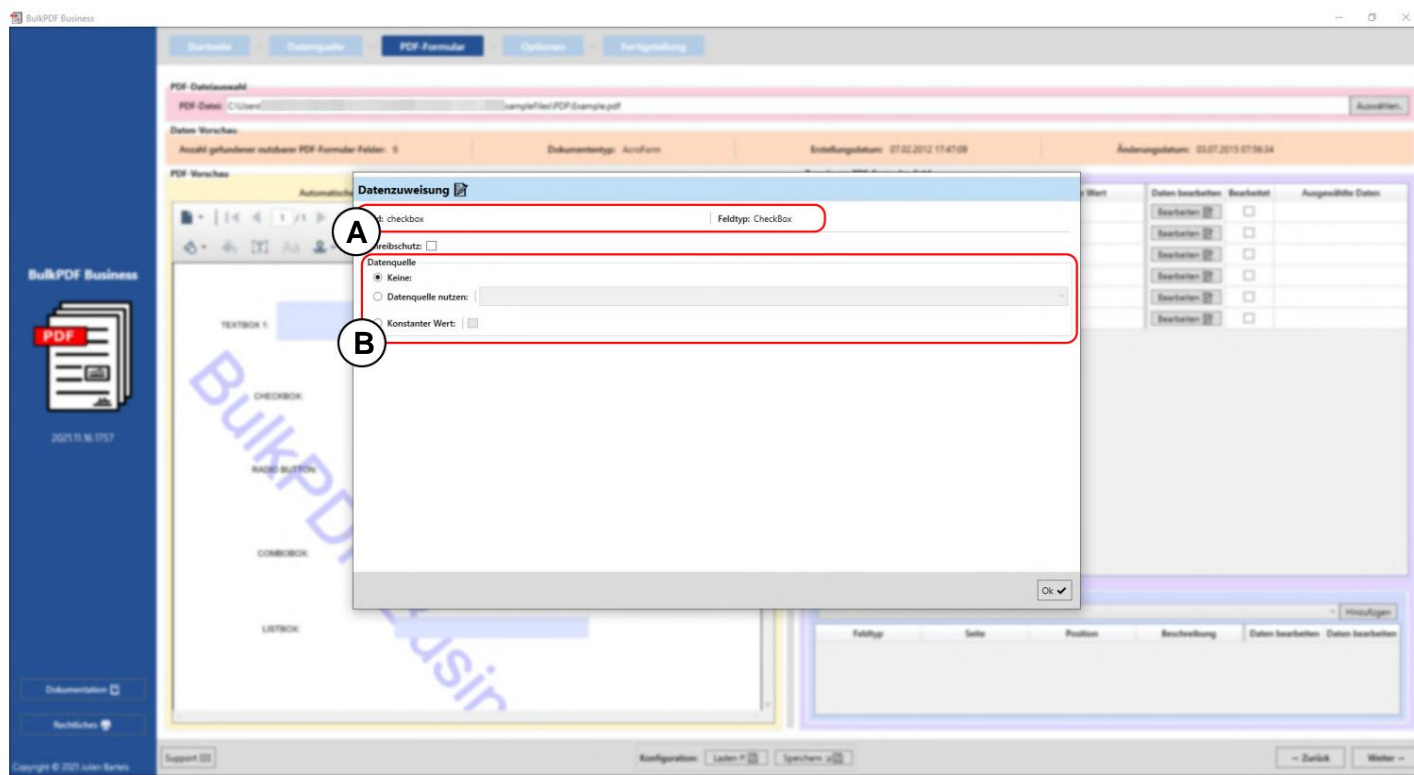
A The use of the data source with the table column "Date time" and the date formatting field was specified here. This input field allows a date and/or a time to be specified as the desired formatting of the data.

For the precise possible values, a table can be found in Section 6.4. Please note that it is case sensitive, for example "MM" means month and "mm" for minute.



A In accordance with the formatting "dd.MM.YYYY", the PDF text field contains the date without the time in German format.

3.3.9 Check boxes

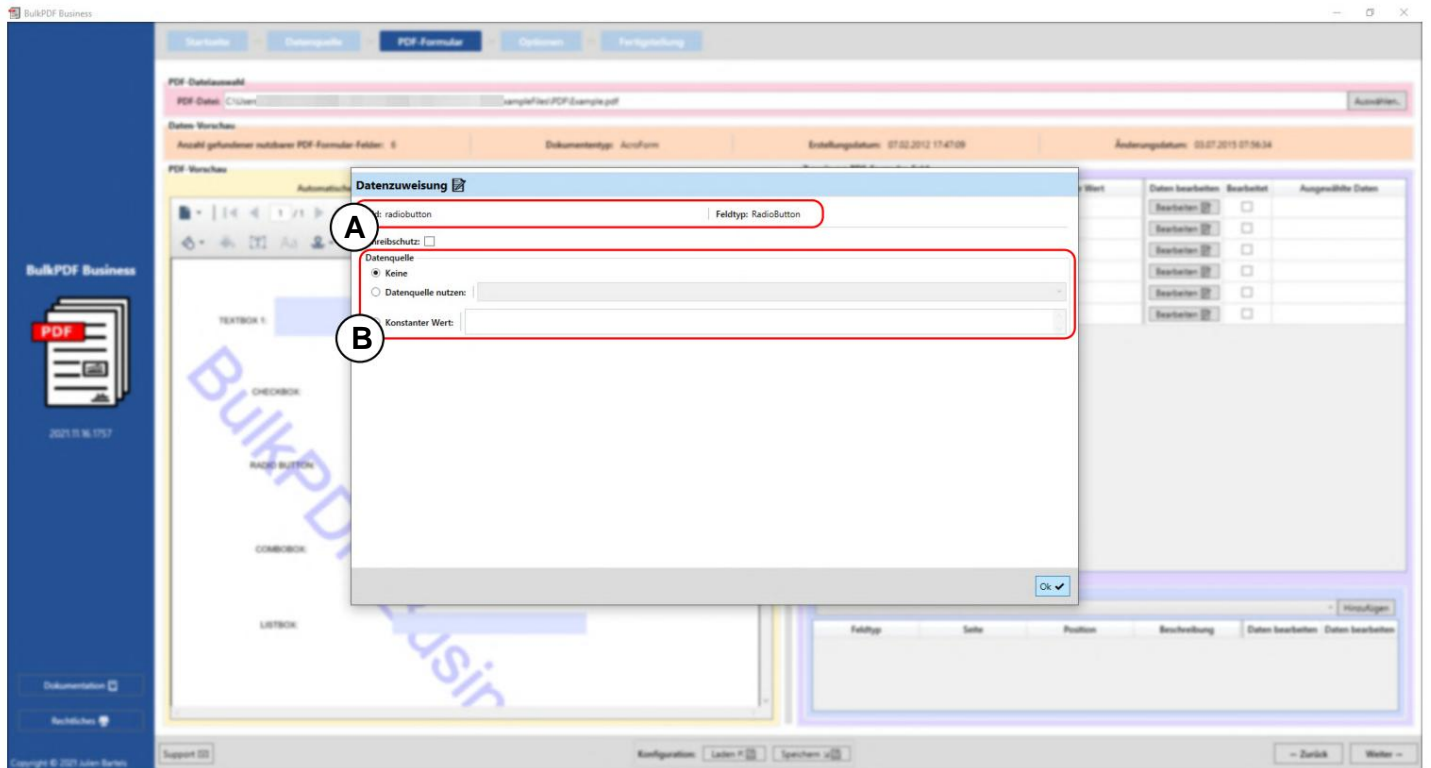


A The form field name "checkbox" and the form field type "Check box" are displayed here.

B Data source: In comparison to, for example, text fields (see section 3.3.4), no constant value is available here as text, but a check box, which works in the same way. With the data source, it is important to ensure that values are used in the column that BulkPDF Business results in a "yes / no" or "no".

"True / Flash" value can be converted. (See section 1.4.2 for accepted values)

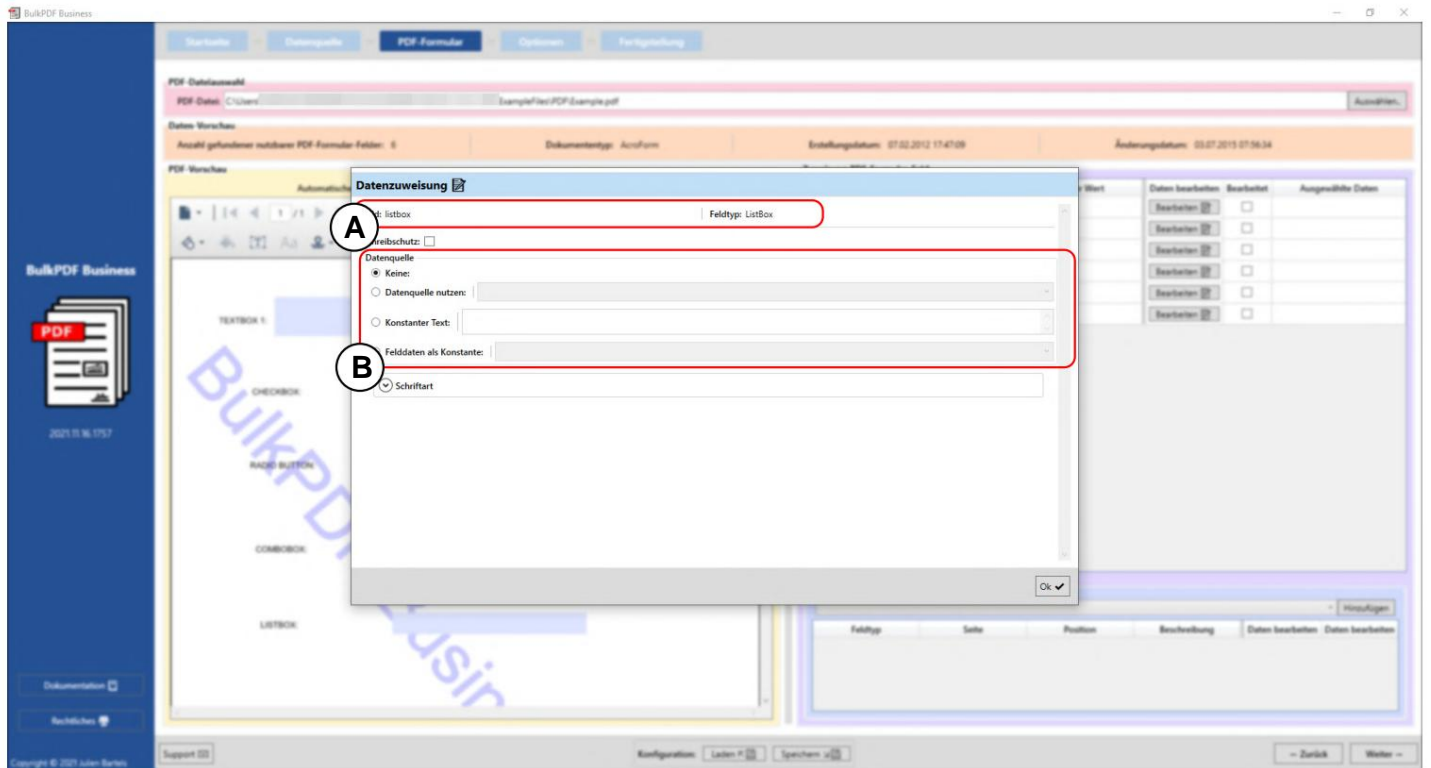
3.3.10 Radio Buttons



A The form field name "radiobutton" and the form field type "RadioButton" are displayed here.

B Data source: As with text fields (see section 3.3.4), a data source, a constant value or no value can be selected. A number must be specified to select which of the radio buttons in a "RadioButton" group should be selected. The first box has the value "1", the second has the value "2" and so on.

3.3.11 List box

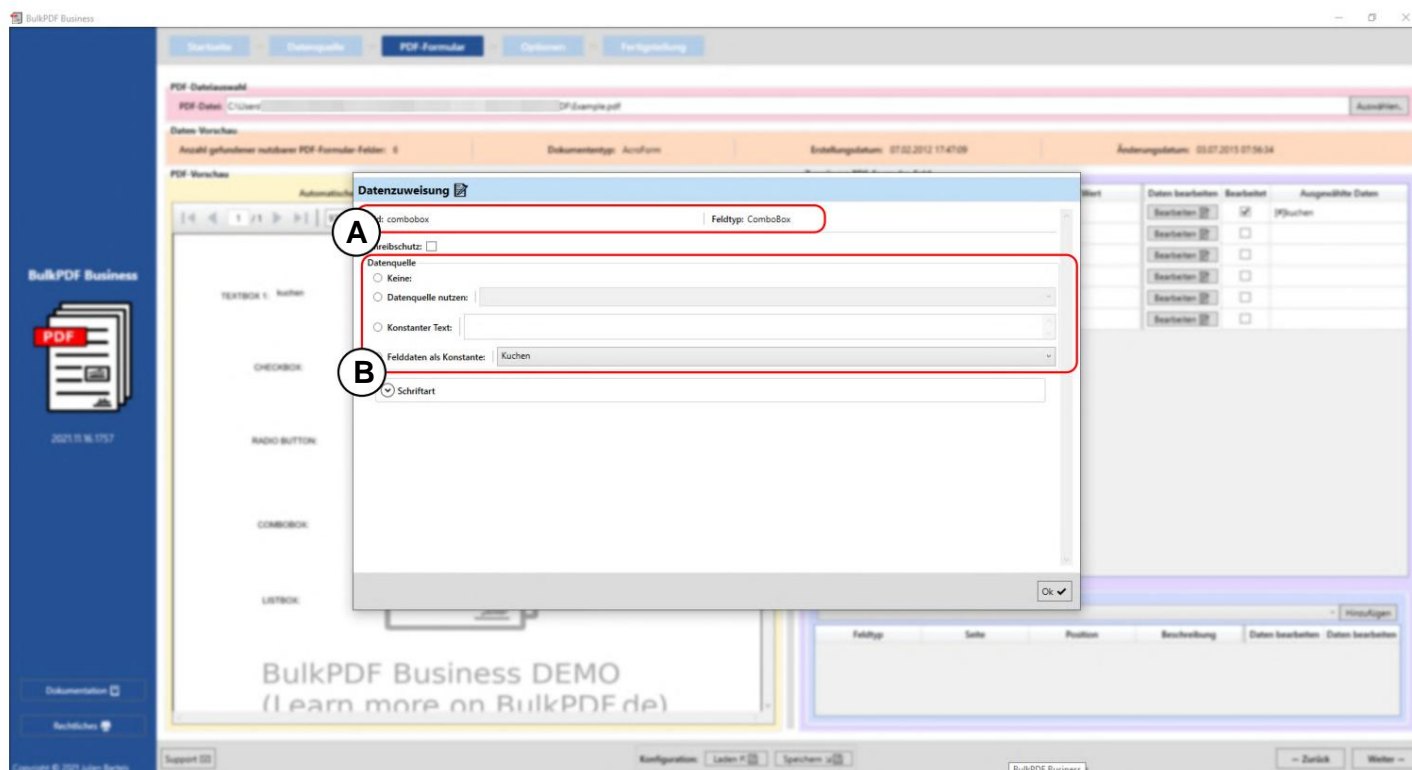


A The form field name "listbox" and the form field type "ListBox" are displayed here.

B Data source: As with text fields (see section 3.3.4), a data source, a constant value or no value can be selected. Furthermore, the option "Field data as constant" is available. In this selection, a value can be selected which was intended by the creator of the PDF form for this "ListBox" and is contained in the PDF as a selection for this.

The selected value then behaves in the same way as a self-written text in the "Constant text" item. The value is therefore the same for all created PDF forms.

3.3.12 Combo box



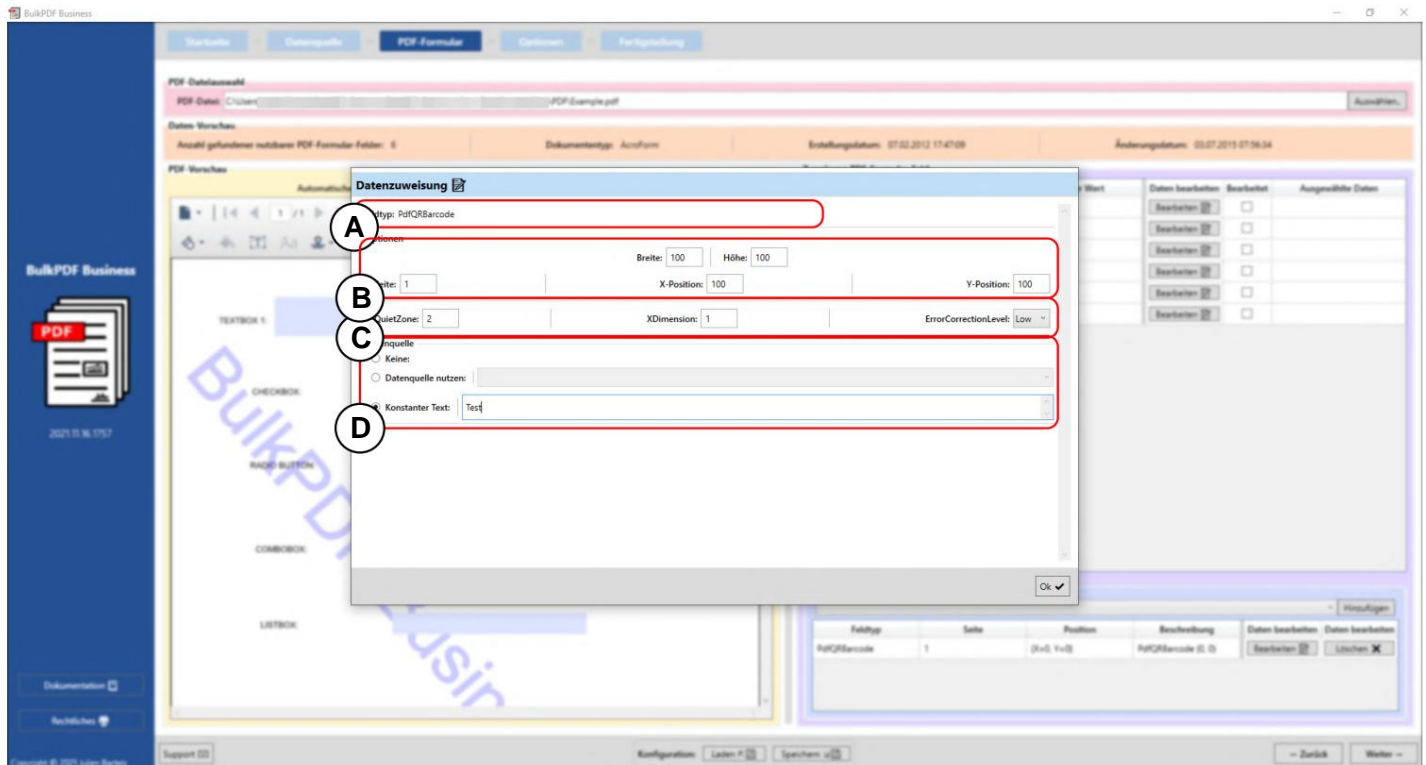
A The form field name "combobox" and the form field type "Com boBox" are displayed here.

B Data source: The data source selection in the "ComboBox" behaves in the same way as in the "ListBox", see Section 3.3.11.

3.3.13 Bar Codes in General

A number of barcodes that can be used in the PDF forms are available under the menu item "Additional special fields". These include, for example, QR, DataMatrix, PDF417, EAN8, EAN13, Codabar, Code11, Code39, Code93, Code128[A,B,C], GS1-128 and UPC. Each of these barcodes has its own interface that is specific to the barcode with its own setting options, but is similar to the QR code interface presented in chapter 3.3.14 .

3.3.14 QR code



A The field type "PdfQRBarcode" is displayed here.

B Options (Width, Height & Position): The width and height of the QR code can be set here, as well as the side on which the barcode is to be displayed and the position on the side. The distance to the 0 point (the upper left corner of the PDF page) is specified to determine the position. The distance to the 0 point is also measured in the QR code at the top left corner of the QR code. In order to find the optimal position, you simply have to play with the values to get a feeling for where, for example, a value of 100 lies on the X-position in the PDF.

C Options (special setting options): At this point, options are shown that are specific to a barcode type, such as the "Quiet Zone", "XDimension" and the "ErrorCorrectionLevel".

D Data source: The data source selection behaves in the same way as for a "Text field", see Section 3.3.4. The difference is only in the use of the data, as this converts data passed to the field to the barcode become.

PDF-Datelauswahl
PDF-Datei: C:\Users\...exampleFiles\PDF\Example.pdf

Daten-Vorschau
Anzahl gefundener nutzbarer PDF-Formular-Felder: 6 | Dokumententyp: AcroForm | Erstellungsdatum: 07.02.2012 17:47:09 | Änderungsdatum: 03.07.2015 07:56:34

Zuweisung PDF-Formular-Feld

Feld	Feldtyp	Aktueller Wert	Daten bearbeiten	Bearbeitet	Ausgewählte Daten
textbox1	TextBox		Bearbeiten	<input type="checkbox"/>	
checkbox	CheckBox	False	Bearbeiten	<input type="checkbox"/>	
combobox	ComboBox		Bearbeiten	<input type="checkbox"/>	
listbox	ListBox		Bearbeiten	<input type="checkbox"/>	
textbox2	TextBox		Bearbeiten	<input type="checkbox"/>	
radiobutton	RadioButton		Bearbeiten	<input type="checkbox"/>	

Zusätzliche Spezialfelder

Feldtyp	Seite	Position	Beschreibung	Daten bearbeiten	Daten bearbeiten
PdfQRBarcode	1	(X=100, Y=100)	PdfQRBarcode (100, 100)	Bearbeiten	Löschen X

A The QR code on the PDF form with the values width "100", height "100", Page "1", X position "100" and Y position "100".

B Field type: In this case "PdfQRBarcode".

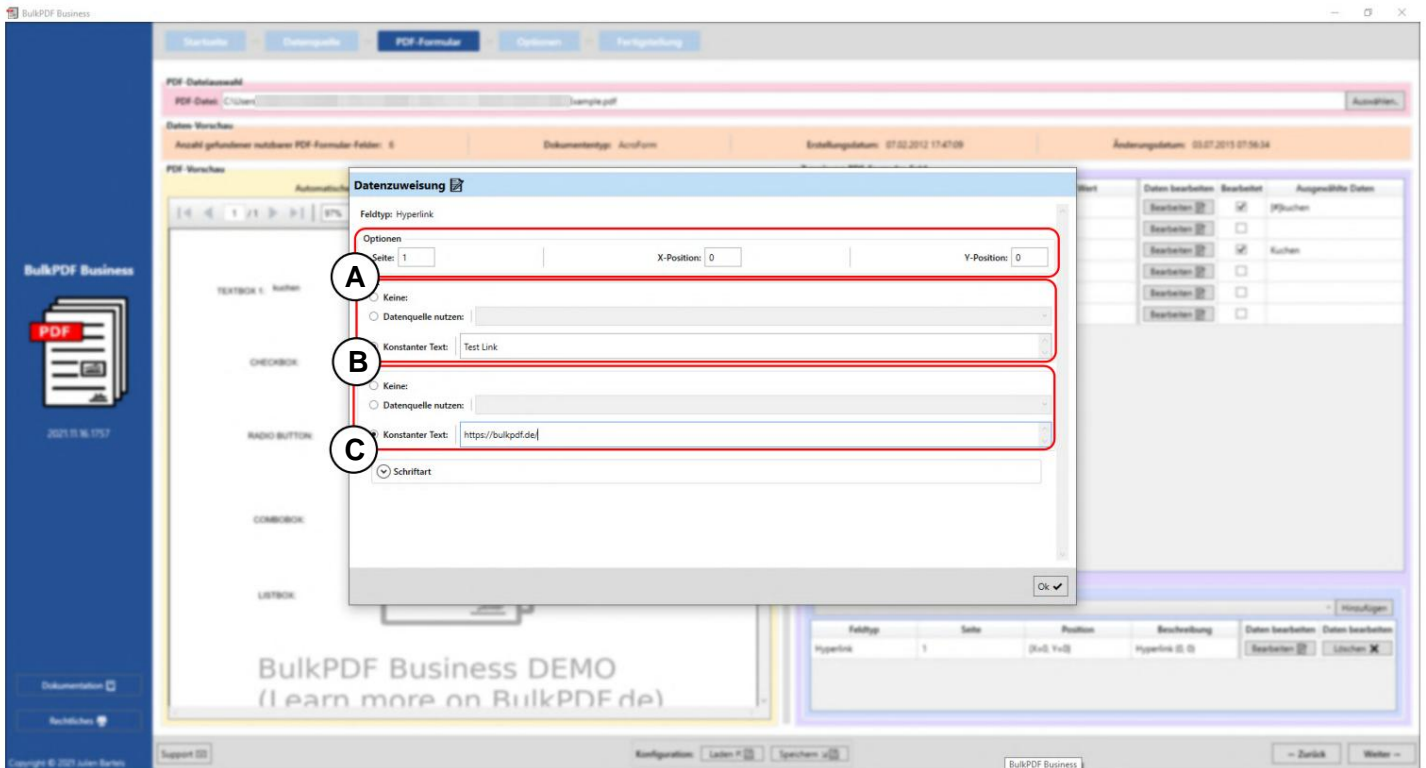
C Page: Number of the PDF form page on which the barcode will be displayed should.

D Position: Here you can see the position in short form.

E Description: Here you can see a brief description of the field.

F At this point, the special field can be edited or deleted again the.

3.3.15 Hyperlinks

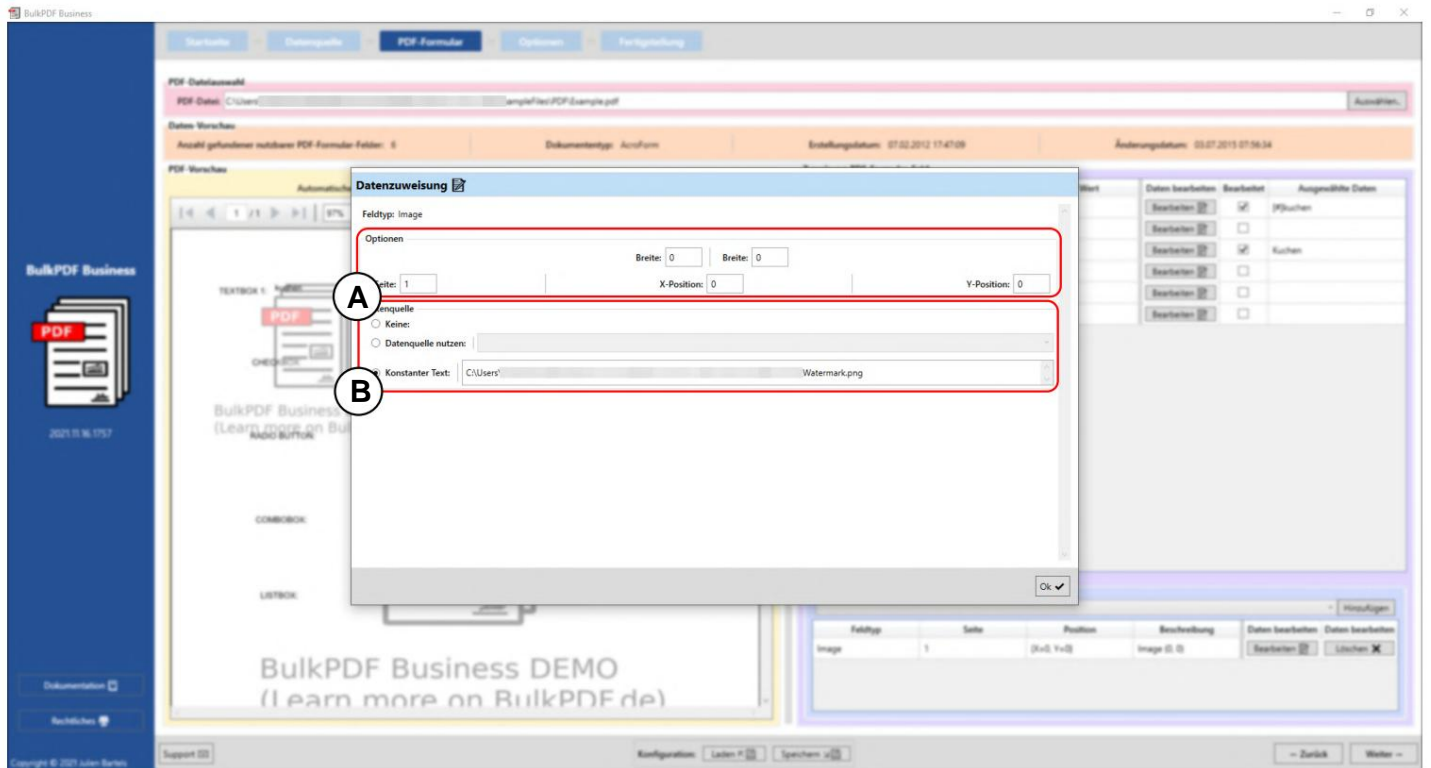


A Options: Here you can set the page and the position on which the hyperlink should be displayed.

B Text: The text for the hyperlink can be set here. Otherwise, the data source selection behaves like that of a "text field", see the section 3.3.4.

C URL: The URL or web address to which the hyperlink refers can be set here.

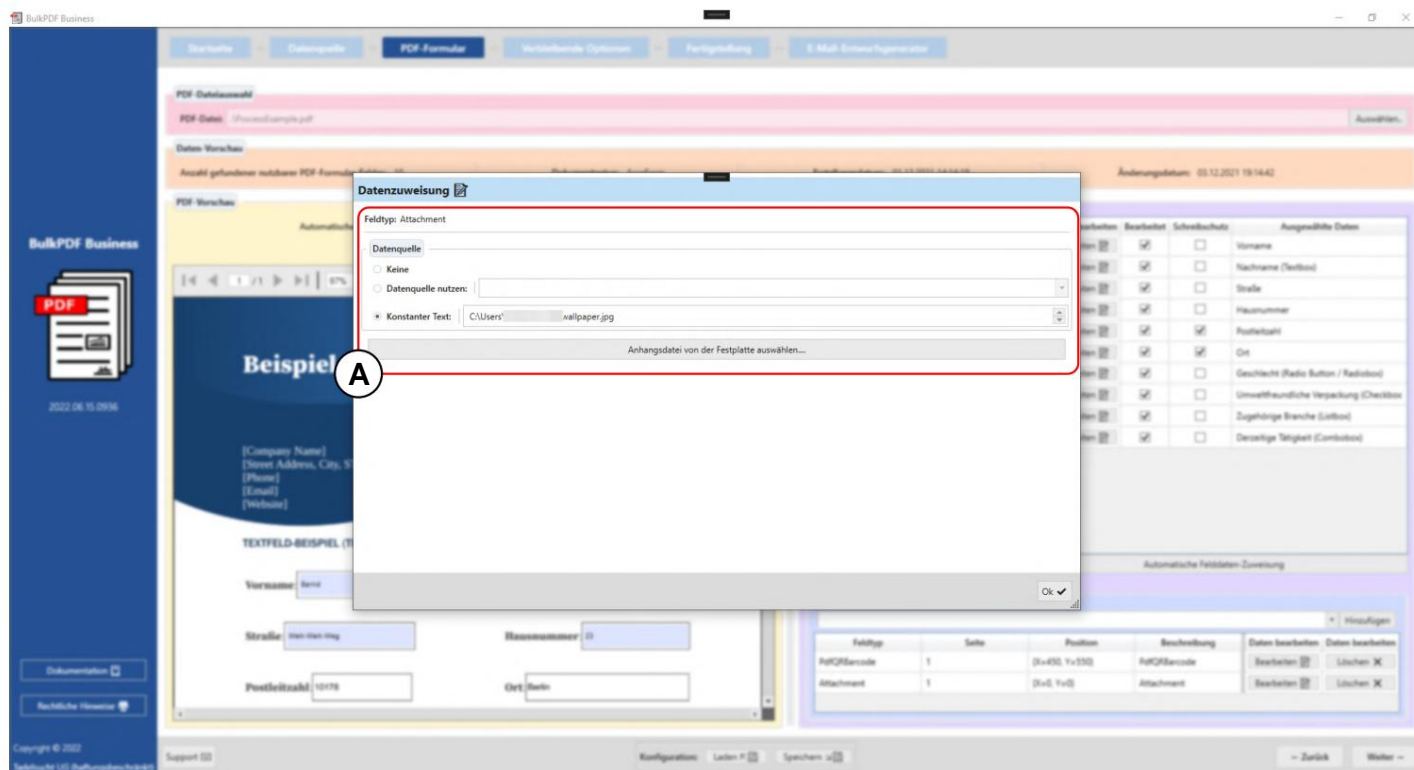
3.3.16 image



A Options: Here you can set the width and height, as well as the side on which the image is to be displayed and the position on the page. To determine the position, the distance to the 0 point (the top left corner of the PDF page) is specified. The distance to the 0-point is also measured at the top left corner of the image. In order to find the optimal position, you simply have to play with the values to get a feeling for where, for example, a value of 100 lies on the X-position in the PDF.

B Data source: Image fields accept file paths to an image as data. Various image file formats, such as PNG, are supported. Otherwise, the data source selection behaves like that of a "text field", see Section 3.3.4. In addition, there is the quick selection button for selecting an image for a constant file path.

3.3.17 File Attachment



A Attachment fields accept file paths as data. The data source selection otherwise behaves like that of a "text field", see Section 3.3.4.

In addition, there is the quick selection button for selecting a file for one constant file path.

3.4 Options

In this step, the file name generation is defined, in which file name formatting elements are lined up, and the output directory for the completed PDF files is defined. Optional options are also available, such as global write protection, file compression, data source line selection, and font and PDF signature settings.

The screenshot shows the 'Optionen' (Options) tab in the BulkPDF Business software. It features a table of filename formatting elements, a list of generated filenames, and a section for optional options.

Dateiname	Formatierungs-Element	Daten	Daten-Vorschau
	Datenquelle	Last name	Mueller
	Konstante	.pdf	.pdf

Below the table, there are three preview rows for filenames:

- Dateinamen-Vorschau 1: Mueller.pdf
- Dateinamen-Vorschau 2: Mustermann.pdf
- Dateinamen-Vorschau 3: Musterfrau.pdf

The 'Optionalen Optionen' (Optional Options) section includes:

- E** Global read-only: A checkbox to set all PDF form fields to read-only.
- F** File compression: A dropdown menu to select the compression level.
- G** Font: A section for selecting a font (Standard Unicode, Windows, or custom) and size.
- H** Signature: A section for setting a signature file and password.
- I** A section for additional options, including a 'Liste aller weiteren Dateinamen' (List of all further filenames) button.

A Filename: In this table are all filename formatting elements listed, which form the generated file name in descending order.

B Filename formatting elements: This group of elements allows the filename Add more elements to the formatting element table on the left gene.

C The file names generated on the basis of the formatting elements are displayed in this preview.

D Output: Here the output order is specified, in which at the end of the process all completed documents should be added or saved.

E Global read-only: The option allows to set all PDF form fields to read-only with a single click, so no further editing can be carried out on these.

F File compression: This option activates the maximum possible compression on the created PDF files. This option to save disk space is especially useful if you plan to send the PDF files via email.

G Rows to Document: This field allows you to narrow down the rows of the data source that are to become completed documents. The syntax is either the comma-separated writing of the individual data source lines (e.g.

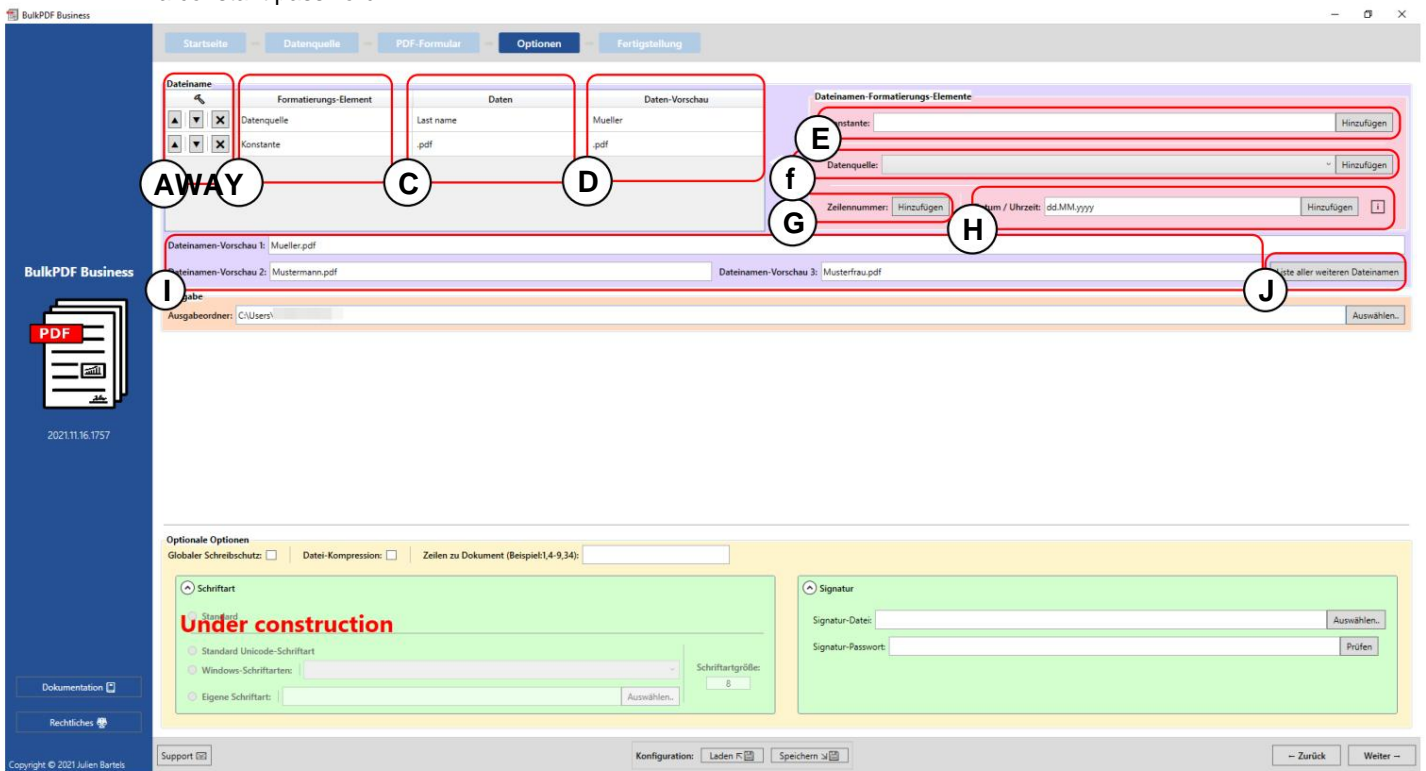
3,5,6,8) or selecting a range using the minus sign (e.g. 32-48).

Both methods can be combined (Ex. 4-9,34,42-45,56).

H Font: In this fold-out element group, the font for all fields are set.

I Signature: In this fold-out element group can be used for the document a digital signature can be specified.

Password protection: In this fold-out element group, for each PDF A password can be chosen specifically for the data source or for all documents a constant password.



A Here are the options for a formatting element in order of a position up or down. Also is a button to Ent far from the element.

B Formatting element: In this column, the element type is named, like e.g. "data source" or "constant".

C Data: Here you can see a representation of the data of the selected formatting element.

D Data preview: This column shows the one data preview that depends on the element type. In the case of a data source, for example, the data in the first row of this data source column is displayed there. In the case of constants, simply the constant text itself.

E Constant: A constant is constant text that is the same for every PDF form.

F Data source: The data source differs for each PDF form and depends on the data in the respective line of the data source.

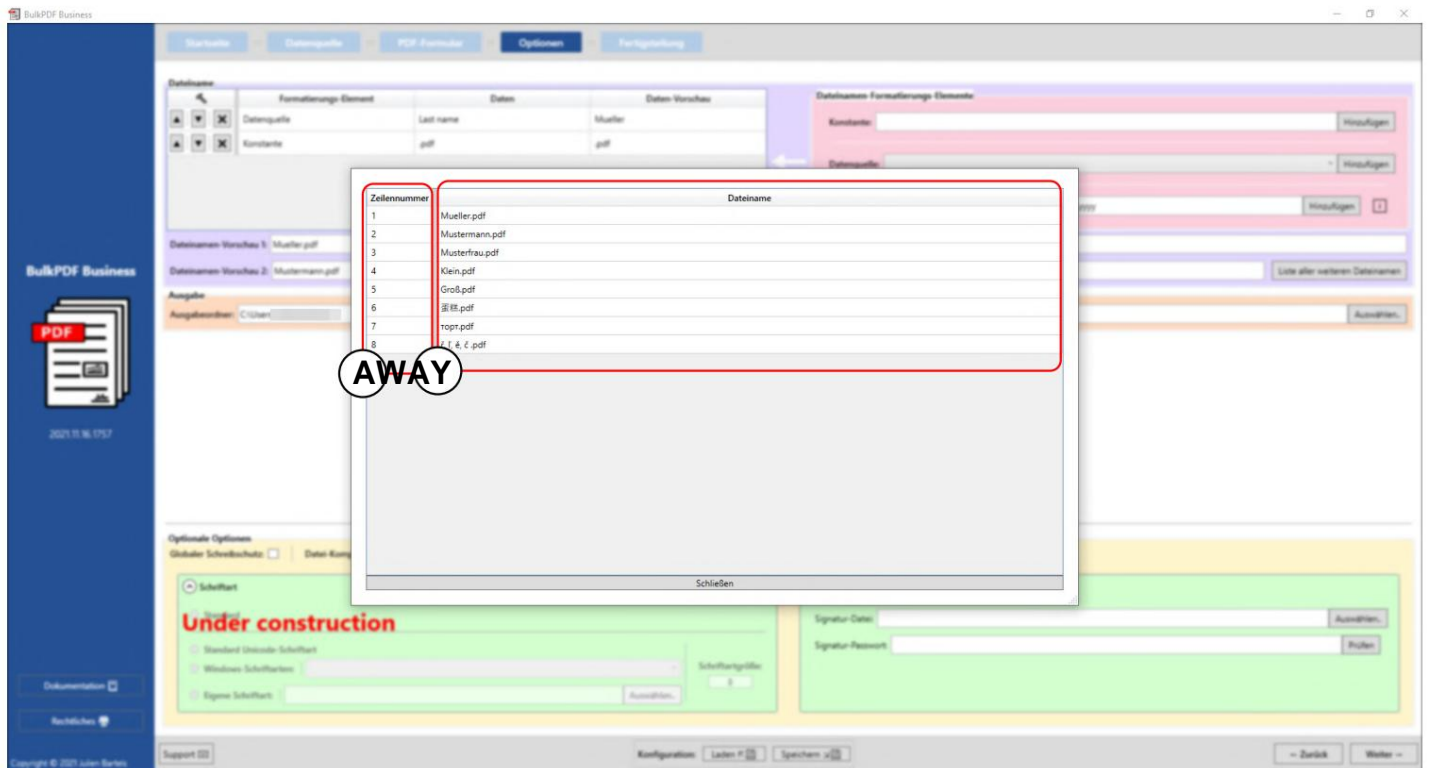
G Line number: This number is the line number of the data source.

H Date / Time: This formatting element allows a date and/or a time to be added to the file name in the desired formatting.

For the precise possible values, a table can be found in [Section 6.4](#).

I File name preview: In this preview, the first three lines are used a data source generates file names.

J List of all other file names: All file names can be selected under this button men that would be generated would be previewed.



In this window you can see all file names that would be generated based on the data source. In the first column **(A)** you can see the line number of the data source and in the second column **(B)** you can see the generated file name.

3.5 Completion

On this last page of the application you can clearly see the settings made and the lists of all files that would be generated in the following. You can also have individual files generated as a preview.

Vorschau

Ausgabeordner: C:\Users\...
 Anzahl gefundener Zeilen: 8 Schreibschutz: Datei-Kompression:
 Anzahl an PDF-Formular-Feldern: 6 Anzahl an Spezial-Feldern: 0

Zeilennummer	Datei	PDF-Vorschau
1	C:\Users\... \Mueller.pdf	
2	C:\Users\... \Mustermann.pdf	
3	C:\Users\... \Musterfrau.pdf	
4	C:\Users\... \Klein.pdf	
5	C:\Users\... \Groß.pdf	
6	C:\Users\... \... .pdf	
7	C:\Users\... \topr.pdf	
8	C:\Users\... \f, f, & c .pdf	

Fertigstellung

Zeilennummer	Datei	Fehlerinformationen	Anzeigen

A **B** **C**

Copyright © 2021 Julien Bartsis

A Preview: This preview shows the settings made and a list of all documents that would now be generated.

B Completion: The created PDF documents are listed in this table below.

C Finish: This button generates the completed PDF form files according to the selected settings. After the processing of the PDF files is finished, the output folder will be opened automatically.

The screenshot shows the BulkPDF Business software interface. The main window is titled 'BulkPDF Business' and has a navigation bar with tabs: 'Startseite', 'Datenquelle', 'PDF-Formular', 'Optionen', and 'Fertigstellung'. The 'Fertigstellung' tab is active, showing a table of generated files. The table has four columns: 'Zeilenummer', 'Datei', 'Fehlerinformationen', and 'Anzeigen'. The 'Fehlerinformationen' column is empty, indicating successful creation. A red circle labeled 'A' highlights the 'Fertigstellung' table.

Zeilenummer	Datei	Fehlerinformationen	Anzeigen
1	C:\Users\... \Mueller.pdf		👁
2	C:\Users\... \Mustermann.pdf		👁
3	C:\Users\... \Musterfrau.pdf		👁
4	C:\Users\... \Klein.pdf		👁
5	C:\Users\... \Groß.pdf		👁
6	C:\Users\... \Müller.pdf		👁
7	C:\Users\... \topr.pdf		👁
8	C:\Users\... \f, l, & z.pdf		👁

The generated files are displayed in the completion table (A) with their line number and the file path. The green color as well as the lack of one Error information indicates that all documents could be created successfully. The document can be displayed using the eye button. Provided error information is displayed, clicking on the eye button leads you for the erroneous line in the pre-filled support window with a more precise one Error message, as well as the possibility to contact the support directly.

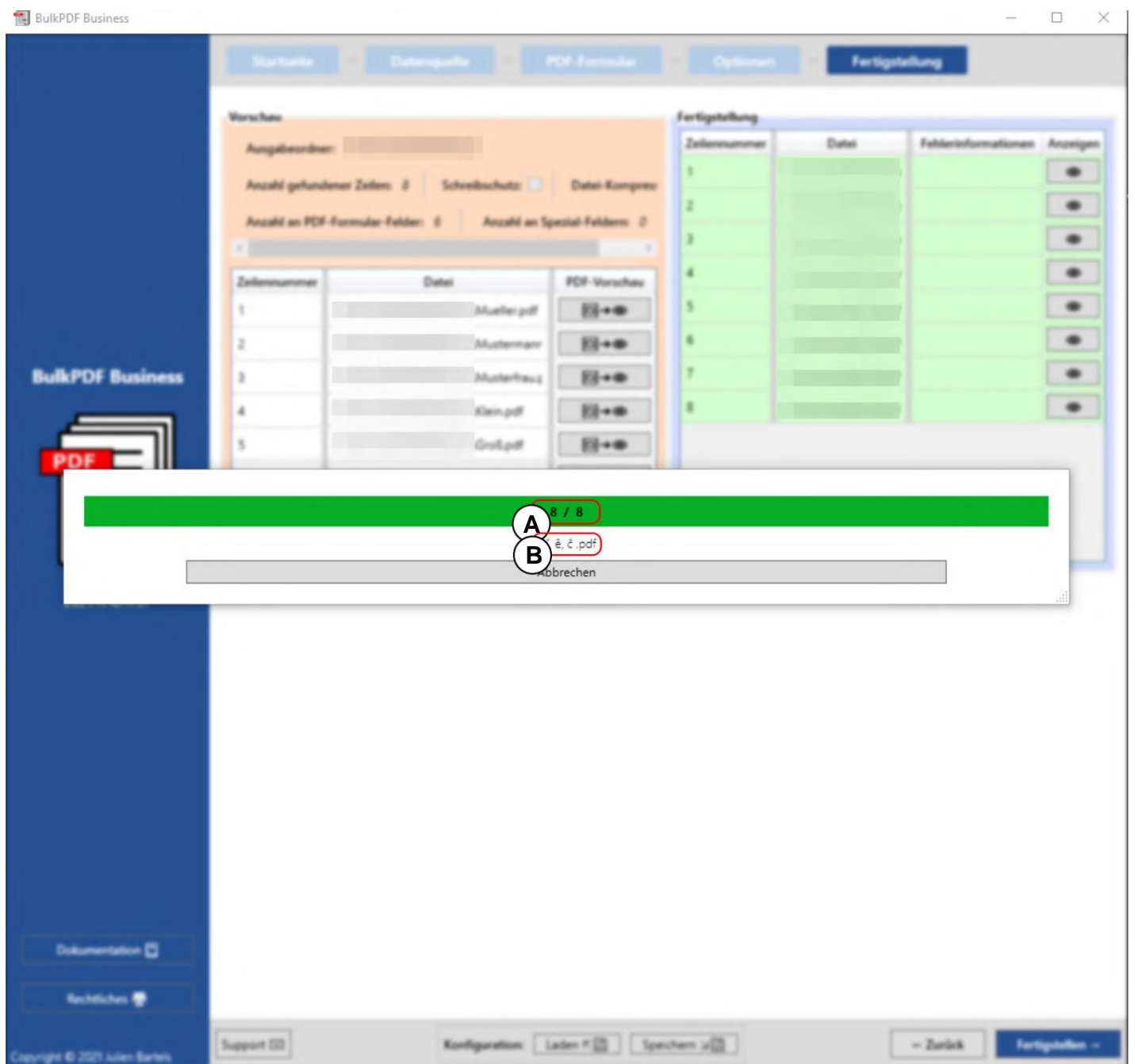
The screenshot displays the BulkPDF Business software interface. The top navigation bar includes tabs for 'Startseite', 'Datenquelle', 'PDF-Formular', 'Optionen', and 'Fertigstellung'. The main area is divided into two sections: 'Vorschau' (Preview) and 'Fertigstellung' (Completion).

Vorschau (Preview): This section contains a table with 8 rows. The first two rows are highlighted in orange. Row 1: '1', 'C:\User', 'Mueller.pdf'. Row 2: '2', 'C:\User', 'Mustermann.pdf'. Row 3: '3', 'C:\User', 'Musterfrau.pdf'. Row 4: '4', 'C:\User', 'Klein.pdf'. Row 5: '5', 'C:\User', 'Groß.pdf'. Row 6: '6', 'C:\User', 'Büchli.pdf'. Row 7: '7', 'C:\User', 'topr.pdf'. Row 8: '8', 'C:\User', 'f, f, & c.pdf'. To the right of this table is a 'PDF-Vorschau' column with icons for each row. Red boxes and letters A and B highlight the 'PDF-Vorschau' icons for rows 1 and 5 respectively.

Fertigstellung (Completion): This section contains a table with 2 rows. The first two rows are highlighted in green. Row 1: '1', 'C:\Users', 'Mueller.pdf'. Row 2: 'C:\Users', 'Groß.pdf'. To the right of this table is an 'Anzeigen' column with icons for each row. A red box and letter C highlight the 'Anzeigen' icons for rows 1 and 2.

On the left side, there is a sidebar with the 'BulkPDF Business' logo, a 'PDF' icon, and the date '2021.11.16.17:57'. At the bottom, there are buttons for 'Support', 'Konfiguration: Laden F', 'Speichern', '- Zurück', and 'Fertigstellen'.

This screenshot shows that the line numbers "1" and "5" have already been generated as preview files using the buttons in **A** and **B**. These two rows have been successfully created and populated in the completion table in **C**.

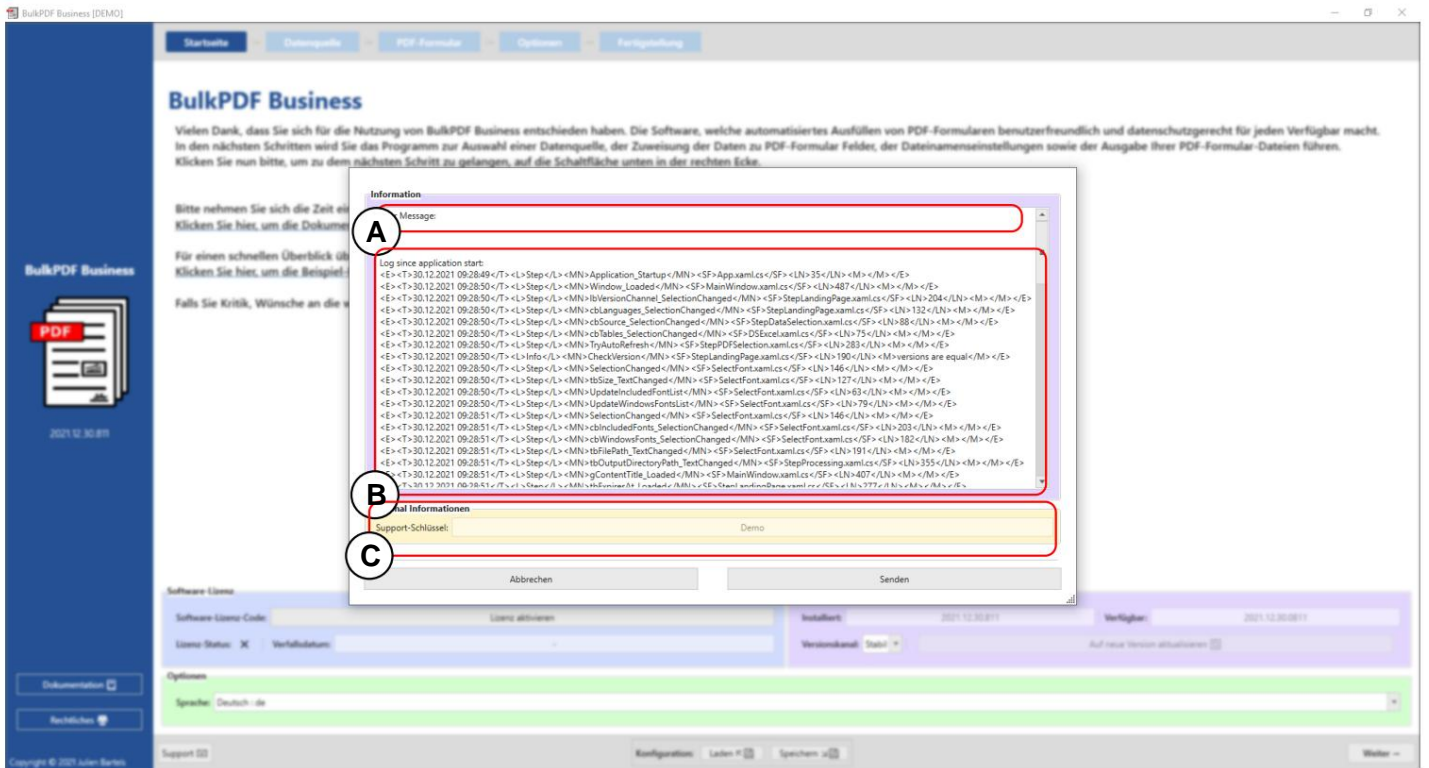


In this screenshot you can see the progress window that appears after clicking the "Finish" button. In **A** the number of the file that is currently being created is displayed in front and behind it the number of all files. **B** shows the filename of the file currently being filled.

3.6 Email Draft Generator

After completing the PDF files, there is still the option of adding the next step, the e-mail draft generator. This allows you to create emails with the previously generated PDF files and attach them immediately

3.7.1 Support Window

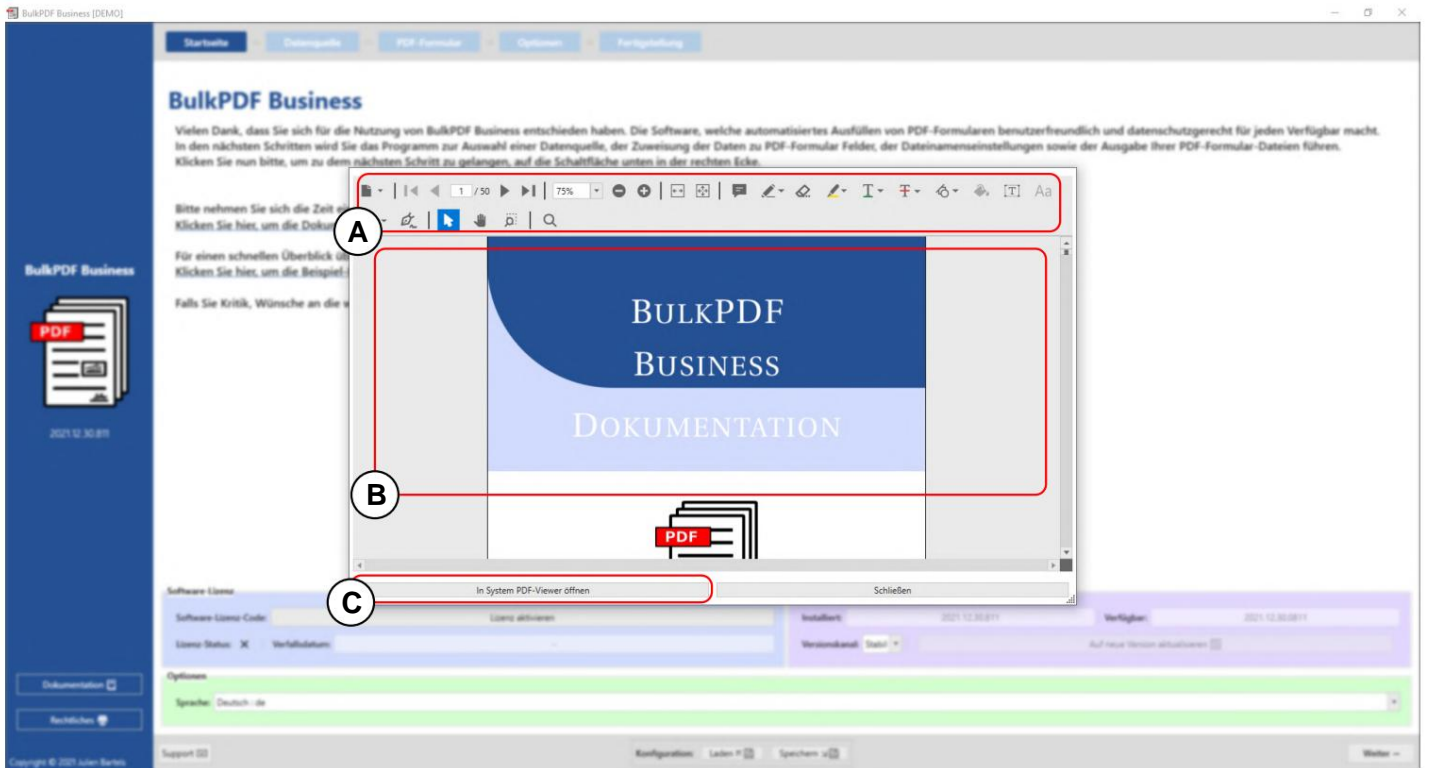


A A message for support can be written in this area.

B This area contains the technical error message.

C A support code generated based on the software license is displayed here.

3.7.2 Documentation window

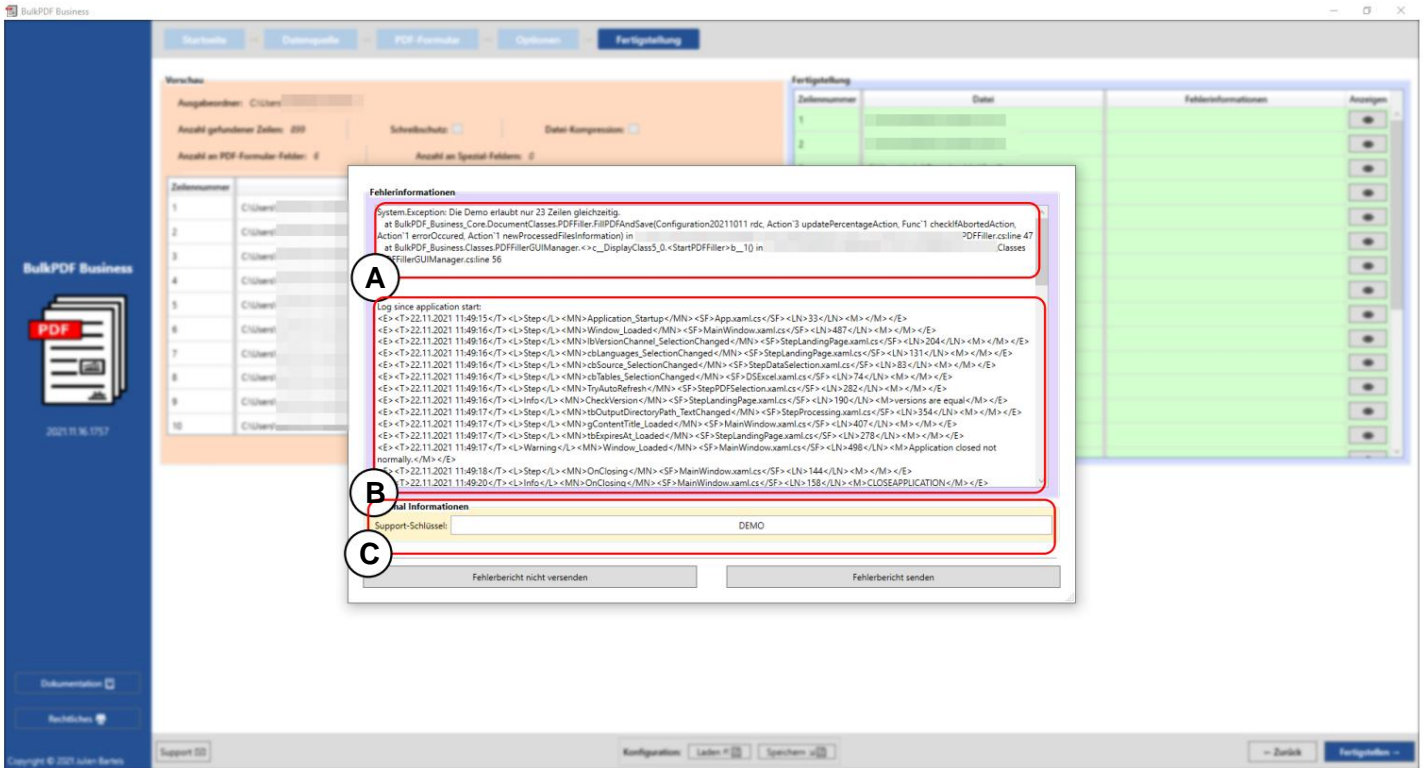


A At this point, functions such as zoom, page change, etc. are available.

B The documentation itself is displayed here.

C This button allows the documentation to be opened in the native PDF viewer.

3.7.3 Error window (Exception)



A The error message is displayed here.

B The complete log since the program start is embedded at this point.

C This text box contains the support code that was generated using the software license.

3.7.4 Font Selection & Font Color Selection

When selecting the font, you can also set the font to bold and italics. For example, in the Windows fonts for Arial there is the normal "arial.ttf", but also "arialb.ttf" for bold and "ariali.ttf" for italics.



A This is the default font.

E-mail draft generator For information on the e-mail draft generator see chapter 3.6.

4

Command line (BulkPDF business console)

In addition to the graphic application, there is also the console application “BulkPDF **Business-Console.exe**” in the installation folder. For the command line function you can simply create a configuration via the GUI, which you can end saves. The configuration can easily be changed later via GUI or using a text editor, since BulkPDF files are text files.

4.1 Parameter List

Below is a listing of all available parameters, in any order
Can be used individually or in combination:

parameter	Description A
"C:\PATH\Config.BulkPDF"	configuration file from the graphical application is always required.
wait	Keeps the console open to view the output.
ignoreErrors	Makes the program ignore errors and fill in as much as the conditions allow. Overwrites the path to
overwriteSpreadsheetFilePath "C:\PATH\new.xlsx"	the spreadsheet file.
overwritePDFSourceFilePath "C:\PATH\new.pdf"	Overrides the path to the PDF source file.
overwriteOutputFolderPath "C:\PATH"	Overrides the output directory path. (Caution: There must be no \ at the end, otherwise the " is not recognized and an Errors like "The syntax for the file name, Directory names or the Volume label is wrong") Overwrites the table
overwriteSelectedTableName "NewTableName"	name to get the data from.
useAutoMappingForFieldData 2	Tried all form fields without so far automatically assign a column from the data source to assigned data. Takes a number for the allowed Levenshtein distance between form field names and column names.
email generation	After creating the PDFs, carries out the e-mail generation according to the information in the configuration file.

4.2 Console Application Outputs

```

C:\Users\... BulkPDF-Business-Console.exe
-----
BulkPDF Business
-----
2021.11.22.1638
----- Check command line arguments -----
Usage: BulkPDFBusinessConsole.exe "C:\Users\username\Desktop\Configuration.BulkPDF"
Or waiting: BulkPDFBusinessConsole.exe "C:\Users\username\Desktop\Configuration.BulkPDF" wait
Press Any Key to Continue..

```

In this screenshot you can see the output when no program arguments to call up the "BulkPDF-Business-Console.exe" . At **A** sees you see the program version, below you can see help showing what the program arguments or parameters for executing a configuration look like. Next to "wait" can also be specified with the path to the BulkPDF configuration file to keep the console open to look at the output. As well there are other parameters that were previously listed in a table. Following a few examples of how to invoke the console application:

```

1 BulkPDF-Business-Console.exe "C:\PATH\Config.BulkPDF"
2 ...
3 BulkPDF-Business-Console.exe "C:\A\Config.BulkPDF" wait
4 ...
5 BulkPDF-Business-Console.exe "C:\B\Config.BulkPDF" ignoreErrors
6 ...
7 BulkPDF-Business-Console.exe "C:\Config.BulkPDF" wait ignoreErrors
8 ...

```

```

-----
BulkPDF Business
-----
2021.11.22.1638
-----
Check command line arguments
Load BulkPDF Business license
SupportCode: [REDACTED]
Load configuration file
Start filling process
-----
{"File": "C:\\Users\\[REDACTED]\\1.pdf", "Message": null, "RowID": 1, "Succeed": true}
{"File": "C:\\Users\\[REDACTED]\\2.pdf", "Message": null, "RowID": 2, "Succeed": true}
{"File": "C:\\Users\\[REDACTED]\\3.pdf", "Message": null, "RowID": 3, "Succeed": true}
{"File": "C:\\Users\\[REDACTED]\\4.pdf", "Message": null, "RowID": 4, "Succeed": true}
{"File": "C:\\Users\\[REDACTED]\\5.pdf", "Message": null, "RowID": 5, "Succeed": true}
{"File": "C:\\Users\\[REDACTED]\\6.pdf", "Message": null, "RowID": 6, "Succeed": true}
{"File": "C:\\Users\\[REDACTED]\\7.pdf", "Message": null, "RowID": 7, "Succeed": true}
{"File": "C:\\Users\\[REDACTED]\\8.pdf", "Message": null, "RowID": 8, "Succeed": true}
{"File": "C:\\Users\\[REDACTED]\\9.pdf", "Message": null, "RowID": 9, "Succeed": true}
{"File": "C:\\Users\\[REDACTED]\\10.pdf", "Message": null, "RowID": 10, "Succeed": true}
{"File": "C:\\Users\\[REDACTED]\\11.pdf", "Message": null, "RowID": 11, "Succeed": true}
{"File": "C:\\Users\\[REDACTED]\\12.pdf", "Message": null, "RowID": 12, "Succeed": true}
{"File": "C:\\Users\\[REDACTED]\\13.pdf", "Message": null, "RowID": 13, "Succeed": true}

```

A Support code: The line shows the support code if a valid license is loaded and the text "Demo" if there is no valid license. Please add the code to the subject of support emails.

B File: Path to the filled out newly created PDF form.

C Message: Contains an error text in the case of errors and normally the value "null".

D RowID: Returns the row number of the data source used for the respective completed PDF form.

E Succeed: Indicates whether the filling was successful. ("true" / "false")

```

C:\Users\... BulkPDF-Business-Console.exe
{"File": "C:\\Users\\...\\873.pdf", "Message": null, "RowID": 873, "Succeed": true}
{"File": "C:\\Users\\...\\874.pdf", "Message": null, "RowID": 874, "Succeed": true}
{"File": "C:\\Users\\...\\875.pdf", "Message": null, "RowID": 875, "Succeed": true}
{"File": "C:\\Users\\...\\876.pdf", "Message": null, "RowID": 876, "Succeed": true}
{"File": "C:\\Users\\...\\877.pdf", "Message": null, "RowID": 877, "Succeed": true}
{"File": "C:\\Users\\...\\878.pdf", "Message": null, "RowID": 878, "Succeed": true}
{"File": "C:\\Users\\...\\879.pdf", "Message": null, "RowID": 879, "Succeed": true}
{"File": "C:\\Users\\...\\880.pdf", "Message": null, "RowID": 880, "Succeed": true}
{"File": "C:\\Users\\...\\881.pdf", "Message": null, "RowID": 881, "Succeed": true}
{"File": "C:\\Users\\...\\882.pdf", "Message": null, "RowID": 882, "Succeed": true}
{"File": "C:\\Users\\...\\883.pdf", "Message": null, "RowID": 883, "Succeed": true}
{"File": "C:\\Users\\...\\884.pdf", "Message": null, "RowID": 884, "Succeed": true}
{"File": "C:\\Users\\...\\885.pdf", "Message": null, "RowID": 885, "Succeed": true}
{"File": "C:\\Users\\...\\886.pdf", "Message": null, "RowID": 886, "Succeed": true}
{"File": "C:\\Users\\...\\887.pdf", "Message": null, "RowID": 887, "Succeed": true}
{"File": "C:\\Users\\...\\888.pdf", "Message": null, "RowID": 888, "Succeed": true}
{"File": "C:\\Users\\...\\889.pdf", "Message": null, "RowID": 889, "Succeed": true}
{"File": "C:\\Users\\...\\890.pdf", "Message": null, "RowID": 890, "Succeed": true}
{"File": "C:\\Users\\...\\891.pdf", "Message": null, "RowID": 891, "Succeed": true}
{"File": "C:\\Users\\...\\892.pdf", "Message": null, "RowID": 892, "Succeed": true}
{"File": "C:\\Users\\...\\893.pdf", "Message": null, "RowID": 893, "Succeed": true}
{"File": "C:\\Users\\...\\894.pdf", "Message": null, "RowID": 894, "Succeed": true}
{"File": "C:\\Users\\...\\895.pdf", "Message": null, "RowID": 895, "Succeed": true}
{"File": "C:\\Users\\...\\896.pdf", "Message": null, "RowID": 896, "Succeed": true}
{"File": "C:\\Users\\...\\897.pdf", "Message": null, "RowID": 897, "Succeed": true}
{"File": "C:\\Users\\...\\898.pdf", "Message": null, "RowID": 898, "Succeed": true}
{"File": "C:\\Users\\...\\899.pdf", "Message": null, "RowID": 899, "Succeed": true}
----- Finished -----
Press Any Key to Continue..

```

At **A** you can see the message that appears when all PDFs have been successfully filled out.

```

Microsoft Visual Studio...
fileMode mode, FileAccess access, FileShare share, FileOptions options, Int64 preallocationSize)\r\n at System.IO.File.
Create(String path)\r\n at BulkPDF_Business_Core.DocumentClasses.PDFTargetAcroforms.Save() in C:\\Users\\tadel\\Github\\BulkPDF_Bu
\\BulkPDF-Business\\BulkPDF-Business-Core\\DocumentClasses\\PDFTargetAcroforms.cs:line 80\r\n at BulkPDF_Bu
siness_Core.DocumentClasses.PDFFiller.FillPDFAndSave(Configuration20211011 rdc, Action`3 updatePercentageAction, Func`1
checkIfAbortedAction, Action`1 errorOccurred, Action`1 newProcessedFilesInformation) in C:\\Users\\tadel\\Github\\BulkPDF
-Business\\BulkPDF-Business-Core\\DocumentClasses\\PDFFiller.cs:line 109, "RowID": 877, "Succeed": false}
{"File": "C:\\Users\\...\\878.pdf", "Message": null, "RowID": 878, "Succeed": true}
{"File": "C:\\Users\\...\\879.pdf", "Message": null, "RowID": 879, "Succeed": true}
{"File": "C:\\Users\\...\\880.pdf", "Message": null, "RowID": 880, "Succeed": true}
{"File": "C:\\Users\\...\\881.pdf", "Message": null, "RowID": 881, "Succeed": true}
{"File": "C:\\Users\\...\\882.pdf", "Message": null, "RowID": 882, "Succeed": true}
{"File": "C:\\Users\\...\\883.pdf", "Message": null, "RowID": 883, "Succeed": true}
{"File": "C:\\Users\\...\\884.pdf", "Message": null, "RowID": 884, "Succeed": true}
{"File": "C:\\Users\\...\\885.pdf", "Message": null, "RowID": 885, "Succeed": true}
{"File": "C:\\Users\\...\\886.pdf", "Message": null, "RowID": 886, "Succeed": true}
{"File": "C:\\Users\\...\\887.pdf", "Message": null, "RowID": 887, "Succeed": true}
{"File": "C:\\Users\\...\\888.pdf", "Message": null, "RowID": 888, "Succeed": true}
{"File": "C:\\Users\\...\\889.pdf", "Message": null, "RowID": 889, "Succeed": true}
{"File": "C:\\Users\\...\\890.pdf", "Message": null, "RowID": 890, "Succeed": true}
{"File": "C:\\Users\\...\\891.pdf", "Message": null, "RowID": 891, "Succeed": true}
{"File": "C:\\Users\\...\\892.pdf", "Message": null, "RowID": 892, "Succeed": true}
{"File": "C:\\Users\\...\\893.pdf", "Message": null, "RowID": 893, "Succeed": true}
{"File": "C:\\Users\\...\\894.pdf", "Message": null, "RowID": 894, "Succeed": true}
{"File": "C:\\Users\\...\\895.pdf", "Message": null, "RowID": 895, "Succeed": true}
{"File": "C:\\Users\\...\\896.pdf", "Message": null, "RowID": 896, "Succeed": true}
{"File": "C:\\Users\\...\\897.pdf", "Message": null, "RowID": 897, "Succeed": true}
{"File": "C:\\Users\\...\\898.pdf", "Message": null, "RowID": 898, "Succeed": true}
{"File": "C:\\Users\\...\\899.pdf", "Message": null, "RowID": 899, "Succeed": true}
----- Finished with Errors -----
Press Any Key to Continue..

```

At **A** you can see the message ("Finished with error"), which appears if not all PDFs could be created successfully. The error must then be sought in the lines above. It is also worth mentioning that the exit code of the console application is 0 if there are no errors and 1 if at least one error has occurred and thus at least 1 PDF file could not be created.

So you can, for example, check %errorlevel% in a batch file to see if there were errors.

```

{"File": "C:\\Users\\tadel\\Documents\\[redacted] 871.pdf", "Message": null, "RowID": 871, "Succeed": true}
{"File": "C:\\Users\\tadel\\Documents\\[redacted] 872.pdf", "Message": null, "RowID": 872, "Succeed": true}
{"File": "C:\\Users\\tadel\\Documents\\[redacted] 873.pdf", "Message": null, "RowID": 873, "Succeed": true}
{"File": "C:\\Users\\tadel\\Documents\\[redacted] 874.pdf", "Message": null, "RowID": 874, "Succeed": true}
{"File": "C:\\Users\\tadel\\Documents\\[redacted] 875.pdf", "Message": null, "RowID": 875, "Succeed": true}
{"File": "C:\\Users\\tadel\\Documents\\[redacted] 876.pdf", "Message": null, "RowID": 876, "Succeed": true}
SupportCode: [redacted]
{"File": "C:\\Users\\tadel\\Documents\\[redacted] 877.pdf", "Message": "System.IO.IOException: The process cannot access the file 'C:\\Users\\tadel\\Documents\\[redacted] 877.pdf' because it is being used by another process.\r\n at Microsoft.Win32.SafeHandles.SafeFileHandle.CreateFile(String fullPath, FileMode mode, FileAccess access, FileShare share, FileOptions options)\r\n at Microsoft.Win32.SafeHandles.SafeFileHandle.Open(String fullPath, FileMode mode, FileAccess access, FileShare share, FileOptions options, Int64 preallocationSize)\r\n at System.IO.Strategies.OSFileStreamStrategy..ctor(String path, FileMode mode, FileAccess access, FileShare share, FileOptions options, Int64 preallocationSize)\r\n at System.IO.File.Create(String path)\r\n at BulkPDF_Business_Core.DocumentClasses.PDFTargetAcroforms.Save() in C:\\Users\\tadel\\Github\\BulkPDF-Business-Core\\DocumentClasses\\PDFTarget\\PDFTargetAcroforms.cs:line 80\r\n at BulkPDF_Business_Core.DocumentClasses.PDFFiller.FillPDFAndSave(Configuration20211011 rdc, Action`3 updatePercentageAction, Func`1 checkIfAbortedAction, Action`1 errorOccured, Action`1 newProcessedFilesInformation) in C:\\Users\\tadel\\Github\\BulkPDF-Business-Core\\DocumentClasses\\PDFFiller.cs:line 109", "RowID": 877, "Succeed": false}
{"File": "C:\\Users\\tadel\\Documents\\[redacted] 878.pdf", "Message": null, "RowID": 878, "Succeed": true}
{"File": "C:\\Users\\tadel\\Documents\\[redacted] 879.pdf", "Message": null, "RowID": 879, "Succeed": true}
{"File": "C:\\Users\\tadel\\Documents\\[redacted] 880.pdf", "Message": null, "RowID": 880, "Succeed": true}
{"File": "C:\\Users\\tadel\\Documents\\[redacted] 881.pdf", "Message": null, "RowID": 881, "Succeed": true}
{"File": "C:\\Users\\tadel\\Documents\\[redacted] 882.pdf", "Message": null, "RowID": 882, "Succeed": true}
{"File": "C:\\Users\\tadel\\Documents\\[redacted] 883.pdf", "Message": null, "RowID": 883, "Succeed": true}
{"File": "C:\\Users\\tadel\\Documents\\[redacted] 884.pdf", "Message": null, "RowID": 884, "Succeed": true}
{"File": "C:\\Users\\tadel\\Documents\\[redacted] 885.pdf", "Message": null, "RowID": 885, "Succeed": true}
{"File": "C:\\Users\\tadel\\Documents\\[redacted] 886.pdf", "Message": null, "RowID": 886, "Succeed": true}
{"File": "C:\\Users\\tadel\\Documents\\[redacted] 887.pdf", "Message": null, "RowID": 887, "Succeed": true}

```

A Support code: Please add the code to the subject of support emails.

B Here you can see the error text in "Message", which can be sent to Support as a copy if necessary.

5

configuration files

This file is encoded in JSON format[5], reasonably human readable and can be edited manually with any text editor if necessary. To analyze the functionality and possibilities, the example configuration (see Section 2.1) can be used.

5.1 Relative Paths

Relative paths[6] can be used in the configuration file . Environment variables such as %USERPROFILE% are resolved by BulkPDF Business. Following from the example configuration (see Section 2.1) relative paths used for the Data source, the PDF form and the output directory are used:

```
1  ...
2  "DataSource": {
3    "$id": "40",
4    "$type": ... ,
5    "filePath": "\\ProcessExample.xlsx"
6  },
7  ...
```

```
1  ...
2  "PDFSource": {
3    "$id": "48",
4    "$type": ... ,
5    "Author": "",
6    "CreationDate": "2021-12-01T14:14:19",
7    "Creator": ... ,
8    "IsXfa": false,
9    "Keywords": "",
10   "ModificationDate": "2021-12-03T19:14:42",
11   "Producer": ... ,
12   "Subject": "",
13   "Title": "",
14   "SourceFilePath": ".\\ProcessExample.pdf"
15  },
16  ...
```

```
1  ...
2  "OutputPath": "%USERPROFILE%\\Downloads",
3  ...
```

5.2 Example excerpts from a configuration file

Following are a few example excerpts, except "DataSource" and "PDFSource", since these have already been dealt with.

5.2.1 Normal Fields

```
1  ...
2  "NormalFields": [
3    {
4      "$id": "2",
5      "$type": ... ,
6      "FieldType": "TextBox",
7      "CurrentValue": "",
8      "FieldSettableOptions": {
9        "$id": "3",
10       "$type": ... ,
11       "ValueSource": {
12         "$id": "4",
13         "$type": ... ,
14         "constant": "",
15         "DataSource": "First Name"
16       },
17       "WriteProtection": false
18     },
19     "HasBeenEdited": true,
20     "Name": "First name",
21     "Preview": "First Name"
22   },
23  ...
```

5.2.2 Special Fields

```
1  ...
2  "SpecialFields": [
3    {
4      "$id": "32",
5      "$type": ... ,
6      "bar code": {
7        "$id": "33",
8        "$type": ...QRBarcode... ,
9        "version": 1,
10       "ErrorCorrectionLevel": 7,
11       "InputMode": 2,
12       "Size": "100, 100",
13     }
14  }
```

5.2.3 Global Options

```
1  ...
2  "RowIndexessWhichShouldBePrinted": [],
3  ...
4  "Compression": false,
5  ...
6  "GlobalWriteProtection": false,
7  ...
8  "OutputPath": "%USERPROFILE%\Downloads",
9  ...
10 "SelectedTableName": "Table1 (customer data)"
11 ...
```

5.2.4 Filename Generator

```
1  ...
2  "FilenameGenerator": {
3    "$id": "41",
4    "$type": ... ,
5    "FilenameParts": [
6      {
7        "$id": "42",
8        "$type": ... ,
9        "Preview": "12/17/2021",
10       "Type": "Date/Time",
11       "Data": "dd.MM.yyyy",
12       "Identifiers": 8
13     },
14  ...
```


5.2.5 Email

```

1  ...
2  "Letters": {
3    "$id": "52",
4    "$type": ...,
5    "FileType": 0,
6    "sender": {
7      "$type": ...,
8      "Constant": "julien.bartels@bulkpdf.de<Julien Bartels>"
9    },
10   "Subject": {
11     "$type": ...,
12     "Constant": "Current positive developments in {location}"
13   },
14   "Draft": true,
15   "RecipientsTo": {
16     "$type": ...,
17     "Constant": "support@bulkpdf.de<support team>"
18   },
19   "RecipientsCC": {
20     "$type": ...
21   },
22   "RecipientsBCC": {
23     "$type": ...
24   },
25   "Body Text": {
26     "$type": ...,
27     "Constant": "Dear Mr. {last name (text box)},\r\n\r\n
28     I see the current developments in {place} as extreme
29     positive. Attached are the relevant documents.\r\n\r\n
30     Kind regards"
31   },
32   "BodyHTML": {
33     "$type": ...
34   },
35   "LetterImportanceValueSource": {
36     "$type": ...,
37     "Constant": "2"
38   },
39   "AddAttachmentsGeneratedPDFFilePath": true,
40   "AttachmentsAdditionalFilePaths": {
41     "$type": ...,
42     "Constant": ".\\ProcessExample.pdf"
43   }
44 }
45 ...

```



Tips and Tricks

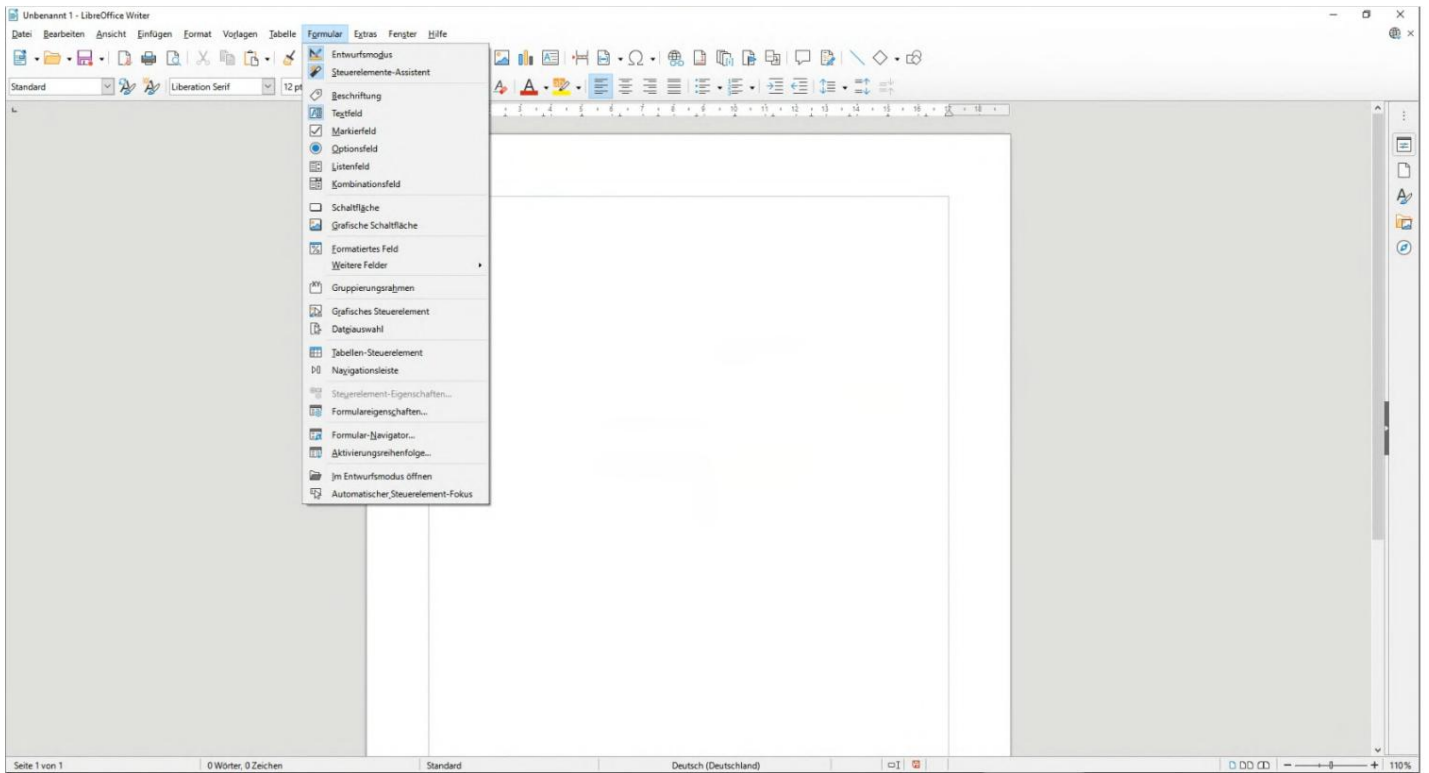
A small selection of tips and tricks to help you create PDF documents can help.

6.1 Create or repair PDF forms with PDFescape

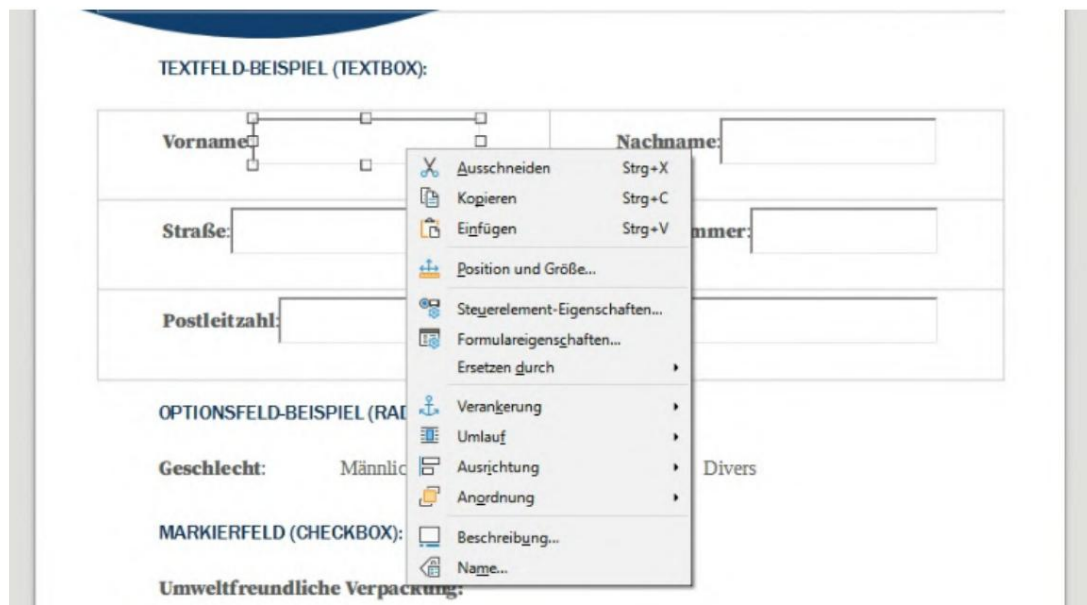
For creating and repairing public PDF forms, we recommend <https://www.pdfescape.com/>. With some PDF forms, it may be helpful to upload the PDF once and download it again immediately so that the PDF is again compatible with the most common PDF readers.[4]

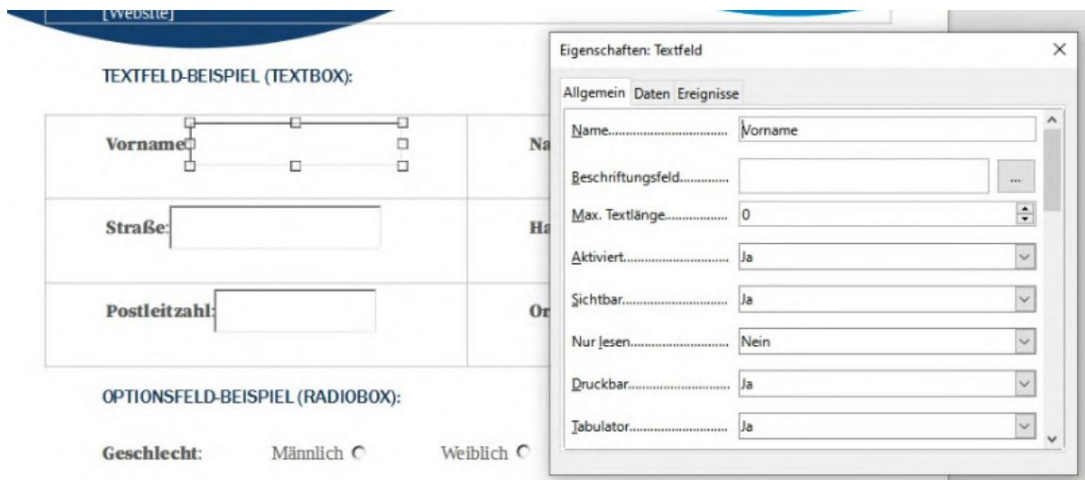
6.2 Create PDF forms with LibreOffice / OpenOffice Writer

LibreOffice is a compilation of office software. The software is completely free, compatible with Microsoft Office and is available at <http://www.libreoffice.org/> available for download. The software offers the possibility of creating PDF forms.[3] How this works in practice is shown below as an example.

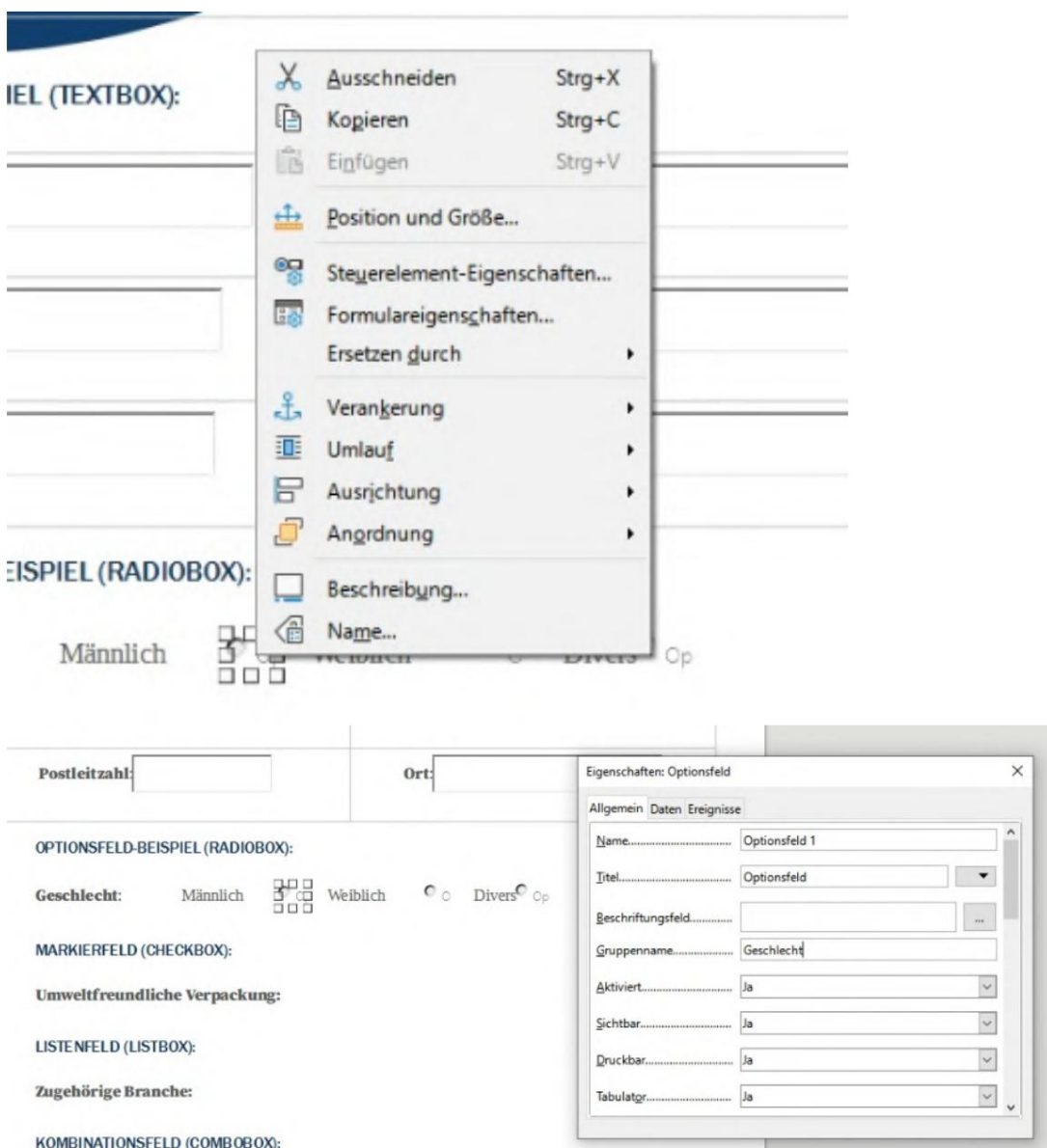


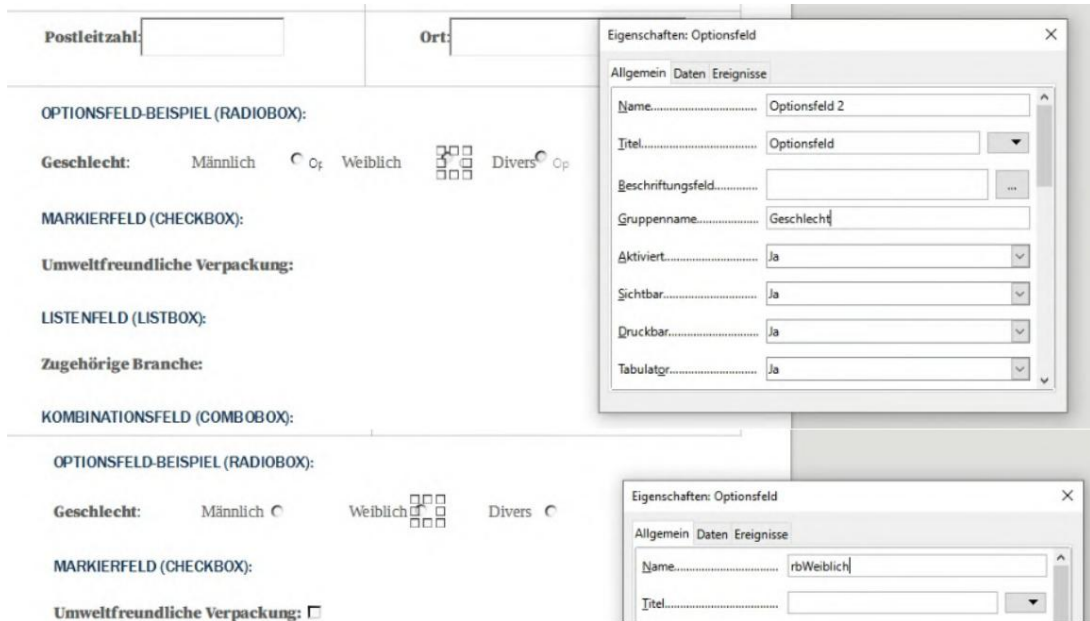
6.2.1 Text field example (text box)



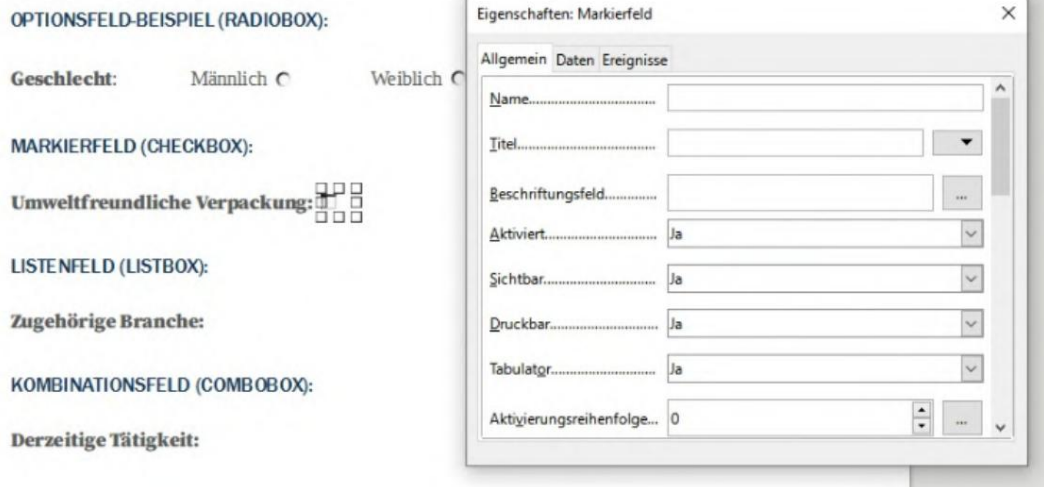


6.2.2 Option field example (radio button)





6.2.3 Marking field (check box)



6.2.4 List box

Straße: **Hausnummer:**

Postleitzahl:

OPTIONSFELD-BEISPIEL (RADIOBOX):

Geschlecht: Männlich Weiblich

MARKIERFELD (CHECKBOX):

Umweltfreundliche Verpackung:

LISTENFELD (LISTBOX):

Zugehörige Branche:

OPTIONSFELD-BEISPIEL (RADIOBOX):

Geschlecht: Männlich Weiblich Divers

MARKIERFELD (CHECKBOX):

Umweltfreundliche Verpackung:

LISTENFELD (LISTBOX):

Zugehörige Branche:

KOMBINATIONSFELD (COMBOBOX):

Derzeitige Tätigkeit:

Eigenschaften: Listenfeld

Allgemein Daten Ereignisse

Datenfeld.....

Eingabe erforderlich...

Art des Listeninhalts...

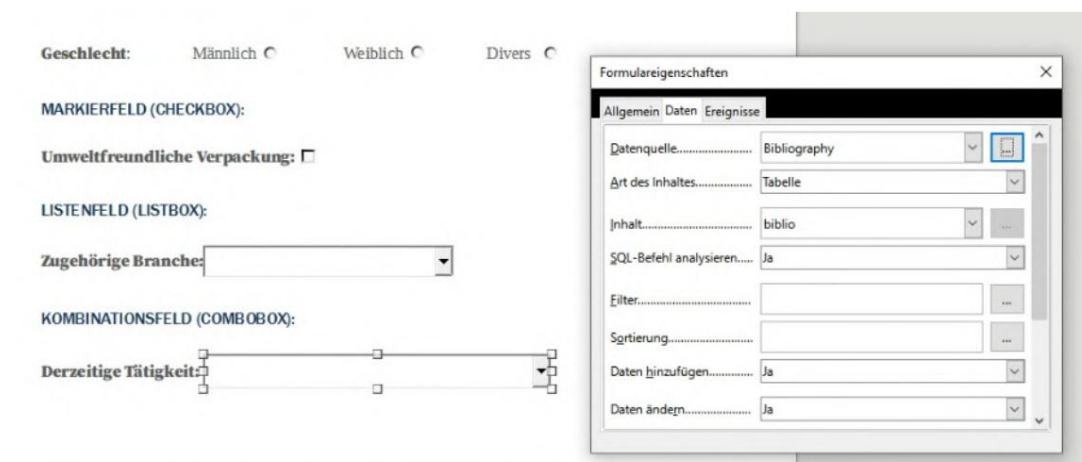
Listeninhalt.....

Gebundenes Feld.....

IT
Industrial
Cake-Factory

OK

6.2.5 Combo box



6.3 Create Signature

You can create a signature in Acrobat Reader. For information on how to do this, see <https://helpx.adobe.com/sign/using/create-electronic-signature.html/>. After you have created a signature using Acrobat, you can find this signature as a .pfx file under the path %appdata%\Adobe\Acrobat\DC\Security. This .pfx file can then be used in BulkPDF. (Note the password entry.)

6.4 Date formatting

A formatting string is used for date formatting. This string consists of a few characters that define the format. The format **dd.mm.yyyy** is a valid date format, which, for example, outputs the day, month and year (example: 11/25/2021).

See the following table from the Microsoft .NET documentation[2]:

Format specifier	Description	examples
"d"	The day of the month, from 1 through 31. More information: The "d" Custom Format Specifier.	2009-06-01T13:45:30 ->1 2009-06-15T13:45:30 ->15
"dd"	The day of the month, from 01 through 31. More information: The "dd" Custom Format Specifier.	2009-06-01T13:45:30 ->01 2009-06-15T13:45:30 ->15
"ddd"	The abbreviated name of the day of the week. More information: The "ddd" Custom Format Specifier.	2009-06-15T13:45:30 ->Mon (en-US) 2009-06-15T13:45:30 ->(ru-RU) 2009-06-15T13:45:30 ->lun. (fr-fr)
"dddd"	The full name of the day of the week. More information: The "dddd" Custom Format Specifier.	2009-06-15T13:45:30 ->Monday (en-US) 2009-06-15T13:45:30 ->(ru-RU) 2009-06-15T13:45:30 ->lundi (fr-FR)
"f"	The tenths of a second in a date and time value. More information: The "f" Custom Format Specifier.	2009-06-15T13:45:30.6170000 ->6 2009-06-15T13:45:30.05 ->0

"ff"	The hundredths of a second in a date and time value. More information: The "ff" Custom Format Specifier.	2009-06-15T13:45:30.6170000 ->61 2009-06-15T13:45:30.0050000 ->00
"fff"	The milliseconds in a date and time value. More information: The "fff" Custom Format Specifier.	6/15/2009 13:45:30.617 ->617 6/15/2009 13:45:30.0005 ->000
"ffff"	The ten thousandths of a second in a date and time value. More information: The "ffff" Custom Format Specifier.	2009-06-15T13:45:30.6175000 ->6175 2009-06-15T13:45:30.0000500 ->0000
"fffff"	The hundred thousandths of a second in a date and time value. More information: The "fffff" Custom Format Specifier.	2009-06-15T13:45:30.6175400 ->61754 6/15/2009 13:45:30.000005 ->00000
"ffffff"	The millionths of a second in a date and time value. More information: The "ffffff" Custom Format Specifier.	2009-06-15T13:45:30.6175420 ->617542 2009-06-15T13:45:30.0000005 ->000000
"fffffff"	The ten millionths of a second in a date and time value. More information: The "fffffff" Custom Format Specifier.	2009-06-15T13:45:30.6175425 ->6175425 2009-06-15T13:45:30.0001150 ->0001150
"F"	If non-zero, the tenths of a second in a date and time value. More information: The "F" Custom Format Specifier.	2009-06-15T13:45:30.6170000 ->6 2009-06-15T13:45:30.0500000 ->(no output)
"FF"	If non-zero, the hundredths of a second in a date and time value. More information: The "FF" Custom Format Specifier.	2009-06-15T13:45:30.6170000 ->61 2009-06-15T13:45:30.0050000 ->(no output)
"FFF"	If non-zero, the milliseconds in a date and time value. More information: The "FFF" Custom Format Specifier.	2009-06-15T13:45:30.6170000 ->617 2009-06-15T13:45:30.0005000 ->(no output)
"FFFF"	If non-zero, the ten thousandths of a second in a date and time value. More information: The "FFFF" Custom Format Specifier.	2009-06-15T13:45:30.6175000 ->6175 2009-06-15T13:45:30.0000500 ->(no output)
"FFFFF"	If non-zero, the hundred thousandths of a second in a date and time value. More information: The "FFFFF" Custom Format Specifier.	2009-06-15T13:45:30.6175400 ->61754 2009-06-15T13:45:30.0000050 ->(no output)
"FFFFFF"	If non-zero, the millionths of a second in a date and time value. More information: The "FFFFFF" Custom Format Specifier.	2009-06-15T13:45:30.6175420 ->617542 2009-06-15T13:45:30.0000005 ->(no output)
"FFFFFFF"	If non-zero, the ten millionths of a second in a date and time value. More information: The "FFFFFFF" Custom Format Specifier.	2009-06-15T13:45:30.6175425 ->6175425 2009-06-15T13:45:30.0001150 ->000115
"g", "gg"	The period or era. More information: The "g" or "gg" Custom Format Specifier.	2009-06-15T13:45:30.6170000 ->AD
"H"	The hour, using a 12-hour clock from 1 to 12. More information: The "h" Custom Format Specifier.	2009-06-15T01:45:30 ->1 2009-06-15T13:45:30 ->1
"hh"	The hour, using a 12-hour clock from 01 to 12. More information: The "hh" Custom Format Specifier.	2009-06-15T01:45:30 ->01 2009-06-15T13:45:30 ->01
"H"	The hour, using a 24-hour clock from 0 to 23. More information: The "H" Custom Format Specifier.	2009-06-15T01:45:30 ->1 2009-06-15T13:45:30 ->13
"HH"	The hour, using a 24-hour clock from 00 to 23. More information: The "HH" Custom Format Specifier.	2009-06-15T01:45:30 ->01 2009-06-15T13:45:30 ->13
"K"	Time zone information. More information: The "K" Custom Format Specifier.	With DateTime values: 2009-06-15T13:45:30, Kind Unspecified -> 2009-06-15T13:45:30, Kind Utc ->Z 2009-06-15T13:45:30, Kind Local ->-07:00 (depends on local computer settings) With DateTimeOffset values: 2009-06-15T01:45:30-07:00 ->-07:00 2009-06-15T08:45:30+00:00 ->+00:00
"m"	The minute, from 0 through 59. More information: The "m" Custom Format Specifier.	2009-06-15T01:09:30 ->9 2009-06-15T13:29:30 ->29
"mm"	The minute, from 00 through 59. More information: The "mm" Custom Format Specifier.	2009-06-15T01:09:30 ->09 2009-06-15T01:45:30 ->45
"M"	The month, from 1 through 12. More information: The "M" Custom Format Specifier.	2009-06-15T13:45:30 ->6
"MM"	The month, from 01 through 12. More information: The "MM" Custom Format Specifier.	2009-06-15T13:45:30 ->06

"MMM"	The abbreviated name of the month. More information: The "MMM" Custom Format Specifier.	2009-06-15T13:45:30 ->Jun (en-US) 2009-06-15T13:45:30 ->juin (fr-fr) 2009-06-15T13:45:30 ->Jun (to-ZA)
"MMMM"	The full name of the month. More information: The "MMMM" Custom Format Specifier.	2009-06-15T13:45:30 ->June (en-US) 2009-06-15T13:45:30 ->june (da-DK) 2009-06-15T13:45:30 ->uJune (to-ZA)
"s"	The second, from 0 through 59. More information: The "s" Custom Format Specifier.	2009-06-15T13:45:09 ->9
"ss"	The second, from 00 through 59. More information: The "ss" Custom Format Specifier.	2009-06-15T13:45:09 ->09
"t"	The first character of the AM/PM designator. More information: The "t" Custom Format Specifier.	2009-06-15T13:45:30 ->P (en-US) 2009-06-15T13:45:30 ->(yes-JP) 2009-06-15T13:45:30 ->(fr-FR)
"tt"	The AM/PM designator. More information: The "tt" Custom Format Specifier.	2009-06-15T13:45:30 ->PM (en-US) 2009-06-15T13:45:30 ->(yes-JP) 2009-06-15T13:45:30 ->(fr-FR)
"y"	The year, from 0 to 99. More information: The "y" Custom Format Specifier.	0001-01-01T00:00:00 ->1 0900-01-01T00:00:00 ->0 1900-01-01T00:00:00 ->0 2009-06-15T13:45:30 ->9 2019-06-15T13:45:30 ->19
"yy"	The year, from 00 to 99. More information: The "yy" Custom Format Specifier.	0001-01-01T00:00:00 ->01 0900-01-01T00:00:00 ->00 1900-01-01T00:00:00 ->00 2019-06-15T13:45:30 ->19
"yyy"	The year, with a minimum of three digits. More information: The "yyy" Custom Format Specifier.	0001-01-01T00:00:00 ->001 0900-01-01T00:00:00 ->900 1900-01-01T00:00:00 ->1900 2009-06-15T13:45:30 ->2009
"yyyy"	The year as a four-digit number. More information: The "yyyy" Custom Format Specifier.	0001-01-01T00:00:00 ->0001 0900-01-01T00:00:00 ->0900 1900-01-01T00:00:00 ->1900 2009-06-15T13:45:30 ->2009
"yyyyy"	The year as a five-digit number. More information: The "yyyyy" Custom Format Specifier.	0001-01-01T00:00:00 ->00001 2009-06-15T13:45:30 ->02009
"z"	Hours offset from UTC, with no leading zeros. More information: The "z" Custom Format Specifier.	2009-06-15T13:45:30-07:00 ->-7
"zz"	Hours offset from UTC, with a leading zero for a single-digit value. More information: The "zz" Custom Format Specifier.	2009-06-15T13:45:30-07:00 ->-07
"zzz"	Hours and minutes offset from UTC. More information: The "zzz" Custom Format Specifier.	2009-06-15T13:45:30-07:00 ->-07:00
":"	The time separator. More information: The ":" Custom Format Specifier.	2009-06-15T13:45:30 ->: (en-US) 2009-06-15T13:45:30 ->: (it IT) 2009-06-15T13:45:30 ->: (yes-JP)
"/"	The date separator. More information: The "/" Custom Format Specifier.	2009-06-15T13:45:30 ->/ (en-US) 2009-06-15T13:45:30 ->-/ (ar-DZ) 2009-06-15T13:45:30 ->: (tr-TR)

"string"	Literal string delimiters.	2009-06-15T13:45:30 ("arr:" h:mt) ->arr: 1:45 P
'string'	More information: Character literals.	2009-06-15T13:45:30 ('arr:' h:mt) ->arr: 1:45 P
%	Defines the following character as a custom format specifier. More information: Using Single Custom Format Specifiers.	2009-06-15T13:45:30 (%h) ->1
\	The escape character. More information: Character literals and Using the Escape Character.	2009-06-15T13:45:30 (h\h) ->1h
Any other character	The character is copied to the result string unchanged. More information: Character literals.	2009-06-15T01:45:30 (arr hh:mm t) ->arr 01:45 A

6.5 Connection String

Examples of valid connection strings for a username and password connection would be these

```
1 Server=myServer;Database=myDataBase;User Id=myUser;Password=myPassword;
```

and for a "Trusted Connection" using Active Directory login:

```
1 Server=myServer;Database=myDataBase;Trusted_Connection=True;
```

For further examples please have a look at the following website <https://www.connectionstrings.com/sql-server/> .

6.6 Simultaneously print out documents

If all created documents are to be physically printed right away, the "Merge all documents and open standard PDF viewer (e.g. for bulk printing)" button can be used on the last program page. After further confirmation, it recreates all documents and combines them into an overall PDF document. The created document is then opened in the standard PDF viewer and can be printed from there immediately.

There you can also use the print options to set the pages that should not be printed.



frequently asked Questions (FAQ)

7.1 What are the system requirements of BulkPDF Business?

Compatible with Windows 7, Windows 8, Windows 10 and Windows 11. There will be approx. 500 MB disk space required for installation. The program requires a one-off internet connection for license activation.

7.2 BulkPDF will not install. [Windows Smart Screen]

If you double-click the downloaded installation file, a Messages such as "The computer is protected by Windows" or "Windows smart screen prevented an unknown app from starting" must be returned Installation clicked on the "More Information" text within the window and then click "Run anyway".

Such a message is displayed by Microsoft when an executable program has been created relatively recently and is not yet known to Microsoft. Microsoft will automatically upload and analyze the exe file in the background Do not show this message to others if the version of the program has already been used on many computers for some time. Therefore it can Unfortunately, the problem reoccurs with each new version of the program.

7.3 Will my files or data be uploaded or abandoned in any way my computer?

No! Your data remain alone on your computer. BulkPDF won't load any of yours

Upload data to any server. The program only establishes a connection to the BulkPDF servers in a few cases. These cases include the one-off license activation, the search for program updates and checking whether a license is currently being used on several computers at the same time.

7.4 Is the program available for Mac OS?

No, but Parallels Desktop for Mac allows you to run the program on your Mac. (See <https://www.parallels.com/>)

7.5 How many users can use a license at the same time become?

This depends on the selected offer. Individual licenses may only be used by one user at a time, while a terminal server license, for example, can be used by several users at the same time, depending on the offer may be.

7.6 On how many computers can a license be used?

A license can be installed on multiple computers, but can only be used on one of those computers at a time. When starting the application and during use, it is checked whether the license is already being used on more than one computer. If so, the program will be thrown back into demo mode until the computer is once again the only one using the software license. Until then, no progress is lost and the program does not close automatically or anything like that. The only difference is that a watermark appears on the created PDF documents and the number of PDF documents that can be created at the same time is again limited.

7.7 I get the following message "The license key is currently being used already used by several devices". What does that mean?

This means that the license has currently been used on multiple computers in the last 15 minutes and cannot be used on another computer at the same time. If you have used the license on multiple computers in the last 15

minutes at the same time and the program has now been closed there again, it will be possible to run BulkPDF Business again on the current computer after 15 minutes at the latest. If this is not the case and you do not know of any other computer on which the program is currently running, a license code theft cannot be ruled out. In this case, please contact support so that we can find a solution together to get you back to work.

7.8 In the PDF preview, the form fields are not displayed at the correct position or shifted

In this case, please use the "Open in system PDF viewer" button and check whether the document is displayed correctly there. In rare cases it can happen that the preview processes the PDF files differently than, for example, Acrobat Reader or your web browser.

7.9 There are no PDF form fields in BulkPDF Business displayed

BulkPDF requires PDF form elements in the PDF document. For example, if a PDF document is printed and then scanned again, it is no longer a PDF form document. The PDF document

is then simply just a multi-page image without the technical background data that the PDF form documents contain. Without this background data, BulkPDF Business can no longer fill in the fields.

Solution 1 You can overlay the image with a BulkPDF Business special field. For example, you can overlay a text box, check box, or radio button as a custom field over the image, and then fill in the custom field with your data source. You can find more information on this in section [1.5.4](#).

Solution 2 You can use suitable software to create new PDF form elements and place them over the fields shown. This then finds BulkPDF Business and again allows the fields to be filled in automatically.

7.10 Unicode characters in Acrobat Reader are not displayed correctly (Chinese, Cyrillic, Arabic, etc)

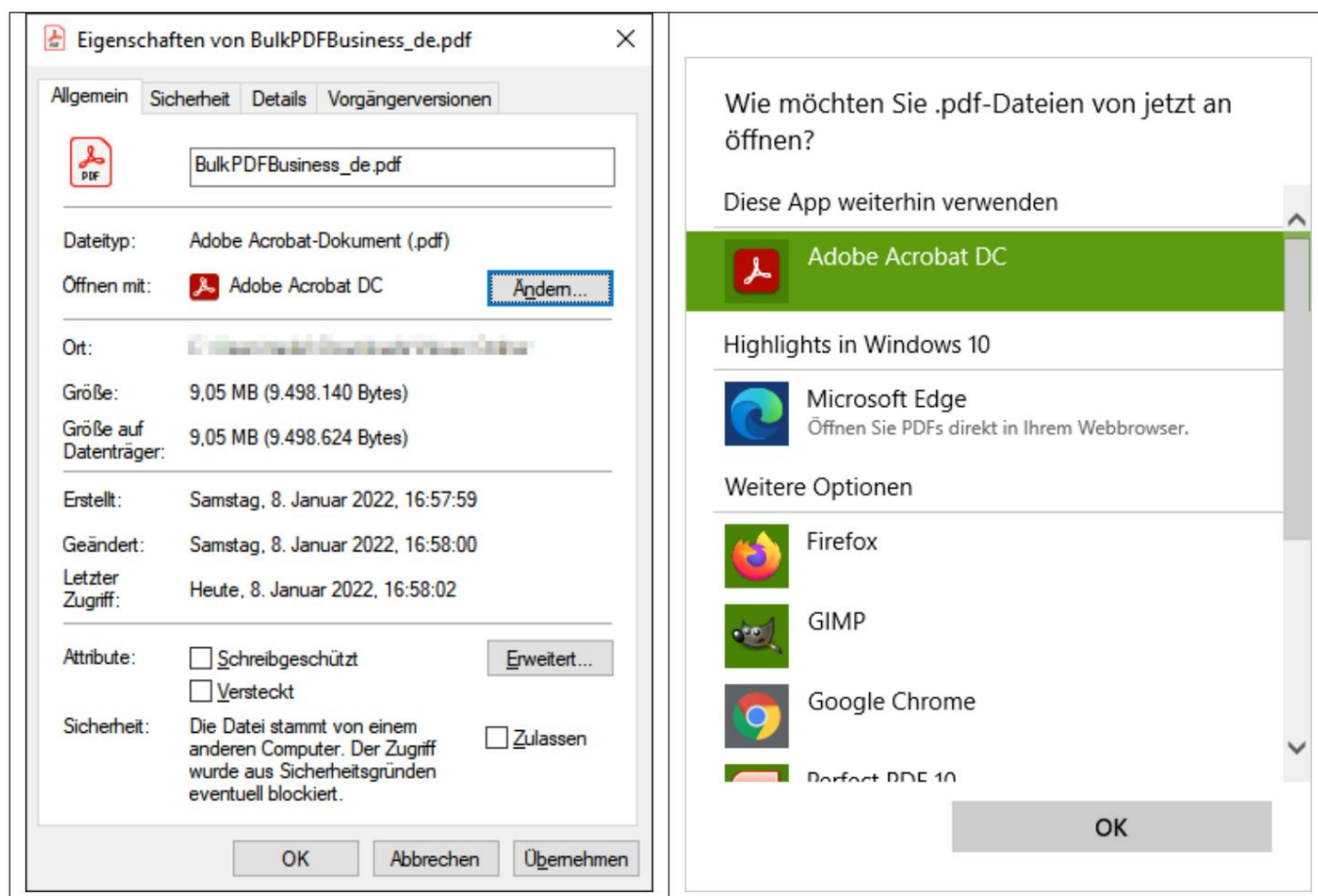
An additional font package is required for the correct display of Unicode characters in Acrobat Reader.

For 32 bit installations the font package is available at <https://helpx.adobe.com/acrobat/kb/windows-font-packs-32-bit-reader.html> to find.

For 64-bit installations, the font package is available at <https://helpx.adobe.com/acrobat/kb/font-pack-spelling-dictionary-64-bit-windows.html> ready for download.

7.11 Windows keeps opening the wrong PDF viewer or the web browser (Chrome, Edge) for viewing PDF files

If, for example, always the Edge browser or another unwanted program opens when you double-click a PDF file, the default PDF viewer is set incorrectly. This can be changed by clicking on a PDF file, right-click and click "Properties" in the menu that appears. In the window that opens, you can open the menu for setting the default PDF viewer under the item "Open with:" on the "Change" button. In the most likely case, you will choose that "Adobe Acrobat" program if you have it installed.



7.12 System.InvalidCastException: Could not convert data to boolean

This error occurs when trying to write a non-boolean value (yes or no) to a "checkbox". Please read chapter 1.4.2 again for accepted values.

7.13 System.IndexOutOfRangeException: "Only X radio buttons in of the group found. Index selected was Y."

This error occurs when using a higher number in "Radio Buttons" than there is total. For example, the error occurs when there are only 3 "Radio Buttons" in the "Radio Button" group and you try to write a 4 into the field. 1 to 3 would have been valid values as there is a radio button for this index. For 4, on the other hand, there is no "Radio button", which is why the error is displayed.

7.14 System.InvalidOperationException: The 'Microsoft.ACE.OLEDB.12.0' provider is not registered on the local machine.

This error occurs when the Microsoft Access Database Engine 2010 Redistributable 64 bit version is not installed on the computer. This can be from Microsoft : <http://www.microsoft.com/en-us/download/details.aspx?id=13255>

7.15 No data is recognized in the Excel file.

In this case, the necessary structure of the data is probably not adhered to, for example by having an empty column or an empty line at the beginning of the table. A column is also considered empty if no column name is specified as text in the first row. Please look again at the example

in section 1.3.2 .

7.16 The date field is also specified with 00:00:00. How can this be removed?

In order to remove the time from the date, the time/date formatting must be activated in the field and a corresponding formatting string must be inserted (see Section 6.4). For example, the formatting string "dd.MM.yyyy" (case sensitive) results in "16.06.2022". For example, the formatting string "MM-dd-yyyy" results in

"06-16-2022" and "dd/MM/yyyy" e.g. "16/06/2022". See section 3.3.8 for more information .

7.17 I have my data source files (Excel, CSV, etc.) or moved my PDF file. Will my BulkPDF still work

Business configuration file?

Yes, but only after it again contains a valid file path to the data source or PDF file. Upon opening the configuration file, BulkPDF Business will note that the file was not found and allow you to choose a new path for the file. Then the configuration loads normally again.

7.18 When calling the console application via a batch script, characters such as German umlauts are not transferred correctly

In this case it is necessary to define the "Code Page" in the batch script. For German umlauts, for example, this would work with the command "chcp 1252" which should be at the beginning of the script. For more information on "Code Page" see <https://ss64.com/nt/chcp.html> .

7.19 Combinations of multiple columns for a field

In BulkPDF Business it is not possible to directly use a function for merging data fields. However, you can use Excel functions in your XLSX file. For example, to merge data, you can use the Excel function CONCAT, which merges multiple cells into one

single cell together. However, it should be noted that the function name may differ depending on the system. After combining the desired data into a new column, it can be used as a source in BulkPDF Business for a PDF form field.

7.20 "Checkbox" or "Radio button" should be according to data and preview may be selected in the XFA PDF, but are selected in Acrobat Readers

This has to do with the limited compatibility with XFA. However, it is possible to protect the elements by applying "write protection" for all

to make it compatible with other PDF viewers. After this adjustment if the elements are correctly selected, they can no longer be changed. Currently we don't know of any way to pre-compile these XFA elements specific value if it is an XFA document.

7.21 How can I change the number format in my generated PDF

correct? It does not keep the format set in the table. For example, how can you enter numbers with two decimal places and a EUR symbol at the end?

Excel stores numbers as pure values, with additional details such as the euro sign considered as metadata. One way your desired format in BulkPDF Business is to convert your number into a text field delve This can be achieved with the Excel function =TEXT(A1;"###0.00 ").

For more information about the Excel function and format option, see <https://support.microsoft.com/en-gb/office/text-function-20d5ac4d-7b94-49fd-bb38-93d29371>

8th

References References

<https://bulkpdf.de/>

[1] BulkPDF website

[2] .NET date formatting [https://](https://docs.microsoft.com/en-us/dotnet/standard/base-types/custom-date-and-time-format-strings)

[docs.microsoft.com/en-us/dotnet/standard/base-types/ custom-date-and-time-format-strings](https://docs.microsoft.com/en-us/dotnet/standard/base-types/custom-date-and-time-format-strings)

[3] How To Create Fillable PDF Forms With LibreOffice Writer

<https://www.linuxuprising.com/2019/02/how-to-create-fillable-pdf-forms-with.html>

[4] The original online Free PDF editor & form filler.

<https://www.pdfescape.com/>

[5] JavaScript object notation

<https://en.wikipedia.org/wiki/JSON>

[6] Absolute and Relative Paths -

Wikipedia <https://en.wikipedia.org/wiki/>

[Path_\(computing\)#Absolute_and_relative_paths](https://en.wikipedia.org/wiki/Path_(computing)#Absolute_and_relative_paths)

[7] ExcelDataReader

<https://github.com/ExcelDataReader/ExcelDataReader>