Serie M/ 6.15

Product description

M/View for AFP

This manual was released at 01.04.2024

kwsoft
creating communication.

Tip: Take a look at the PDF file "Serie M/ Glossary" to find out more about terms used in the Serie M/.

Feedback: This manual has been investigated and assembled with the utmost care. If, however, you should come across any errors, unaccouracies or incompletenesses, we would like you to inform us (<documentation@kwsoft.de>).

Note: The underlying databases for Serie M/ products should only be changed using official Serie M/ products. By altering these directly we cannot guarantee that Serie M/ products will continue to operate correctly. We reserve the right to change the database structure at any time and without prior notice.

The symbols used in the manual:			
	Example		System dependent
	Please note		Prerequisite
	Background		Warning
	Note		Cross reference
	Data privacy		Example video

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Table of Contents

1. M/View for AFP

M/View for AFP is a viewer and editor for AFP print datastreams.

AFP documents and their resources can therefore be displayed and easily edited using kwsoft's **AFP Viewer**. However, not only documents can be displayed, but also AFP files that contain only a graphical resource (Overlay, PageSegment, GOCA, IOCA , Barcode or ObjectContainer) without pages.

M/View for AFP has identical functions to those of the AFPViewer plugin provided by M/Workbench. The main difference is that it is packaged as an independent Eclipse RCP application that is solely intended for analysis and processing of AFP files in Windows.

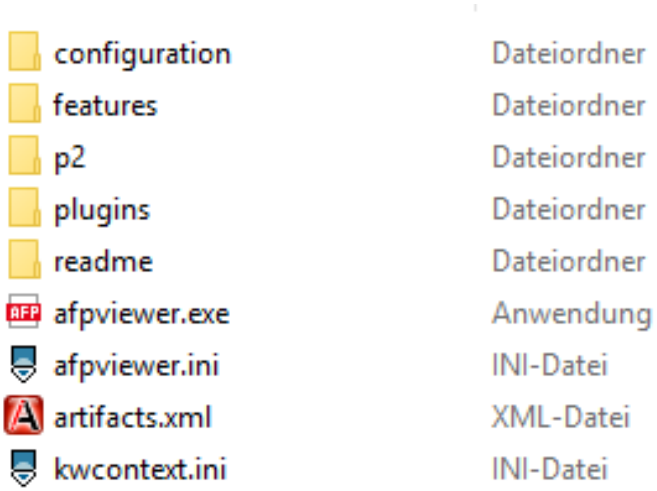
The integration of the AFP Viewer in M/Workbench as a perspective continues to be a component of the program (see also Chapter 3, *The AFP-Viewer in M/Workbench*)

Minimum requirements are the same as for M/Workbench 6.15.

After successful assembly, the directory...*target**bin**mtext-afp-viewer*\ is created for the product M/View for AFP. The resources within the directory serve as the basis for working with the Viewer as a standalone application.

It is called using the program **afpviewer.exe**. There is no need to adapt the assembled files.

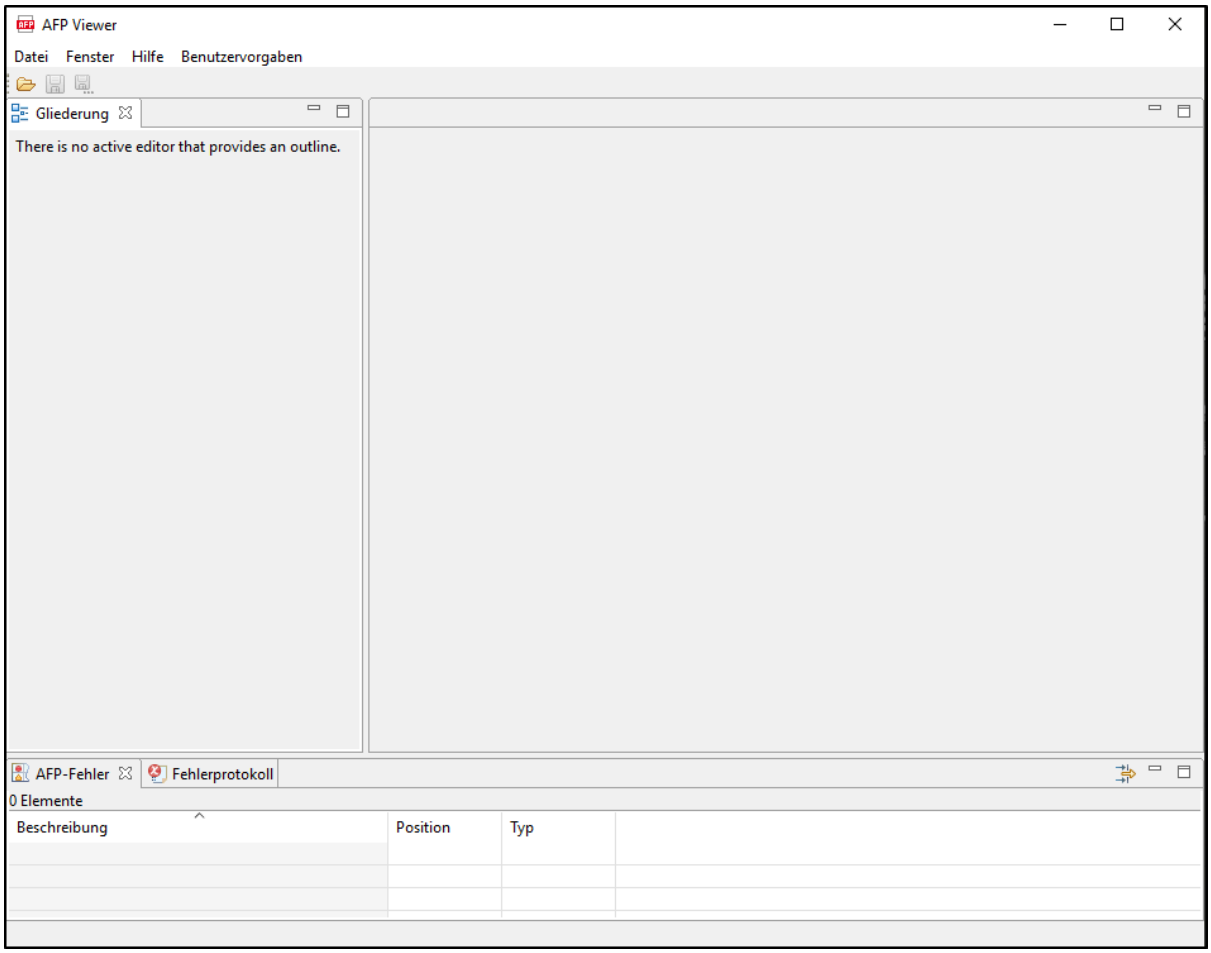
- *artifacts.xml* contains the list of OSGI bundles
- *kwcontext.ini* is the analogue configuration to *wb.ini* from M/Workbench
- *afpviewer.ini* is the start configuration of Eclipse



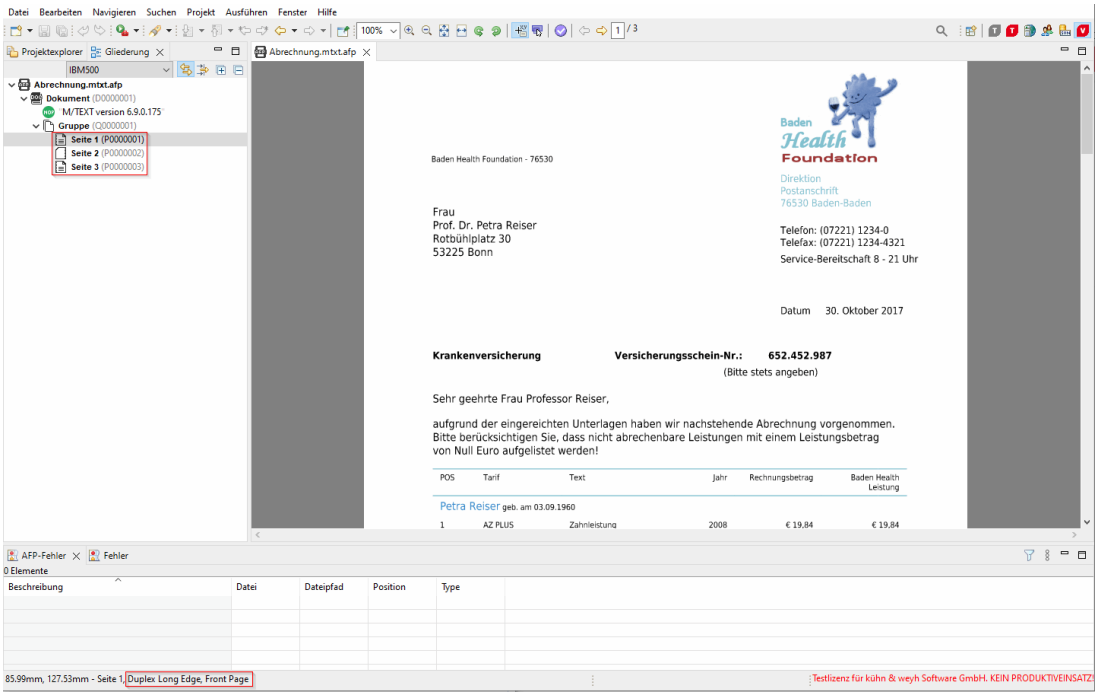
2. The AFP Viewer as standalone application

2.1 Starting the AFP Viewer

After calling the program **afpviewer.exe** the application starts with following window:

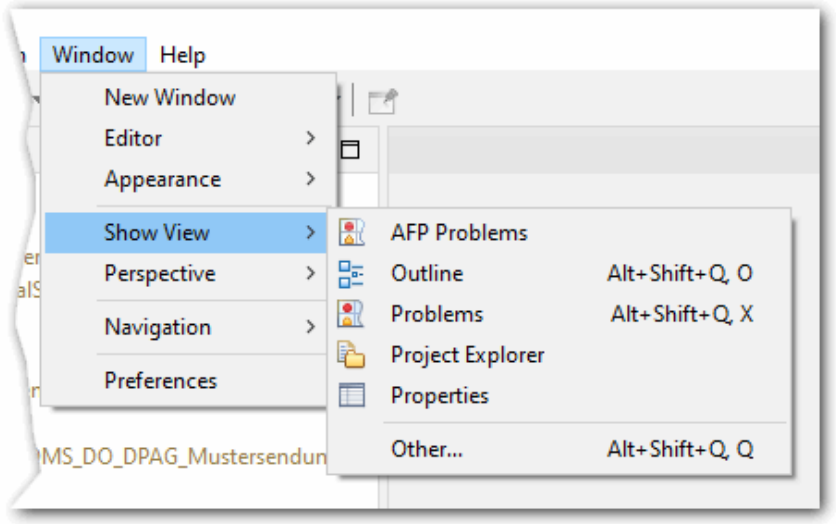


The menu item **File** is used to open the desired AFP file, which will then be ready for editing. It is rendered for display at 72 DPI.



2.2 Overview of the functions

The following four views are available within the context of the AFP Viewer.



1. The *Outline* view provides a detailed representation of the relevant file's AFP structure.

2. The *Properties* view provides detailed information on the selected AFP element, e.g. for TLEs and NOPs.

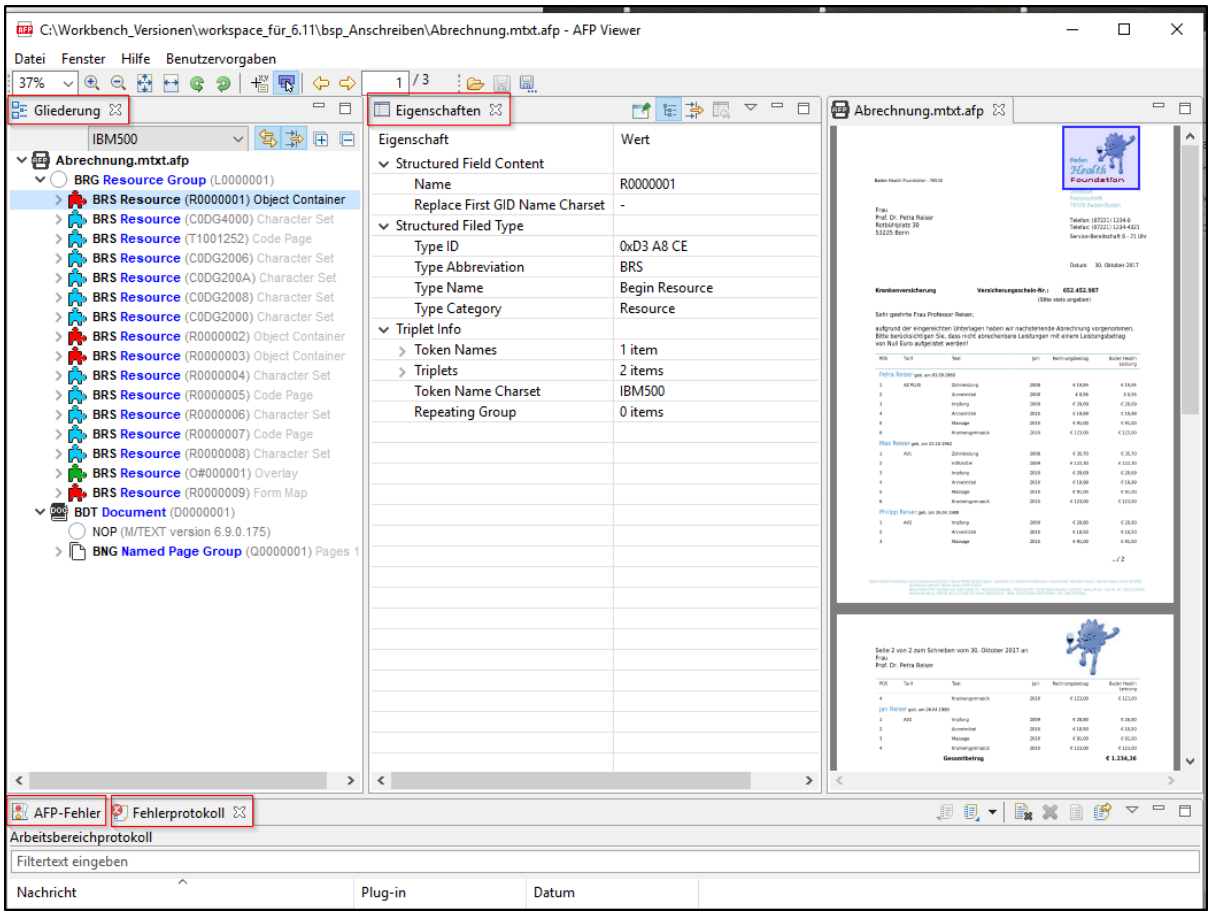
   - The Properties view shows read-only information for currently selected Structure Field / Triplet in outline.

   - Structure fields containing PTOCA/GOCA commands allows their detailed inspection using properties view tree

- "Data" items in property view can be inspected in simple preview with HEX and decoded text

3. In case of errors, e.g. errors during rendering, the *Error Log* and *AFP Problems* views provide helpful information.

4. The *AFP problems* view will report any errors that were detected when painting the document. Important to note is that some problems are encountered when the page is actually painted, in example an include of corrupted resource on page 300 will not be detected until user actually scrolls down to page 300.



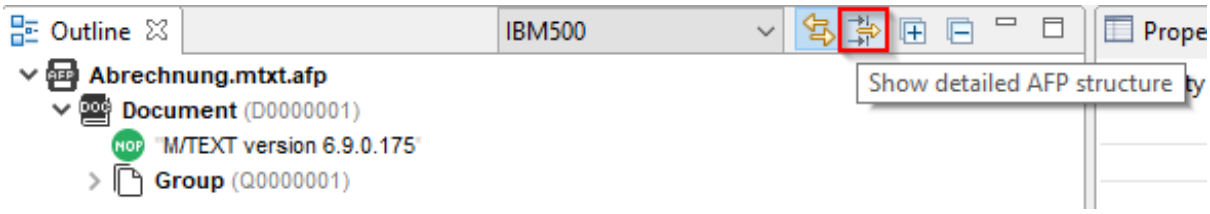
2.2.1 Structure inspection using the outline tree

The view *Outline* can be used to undertake basic document editing, such as

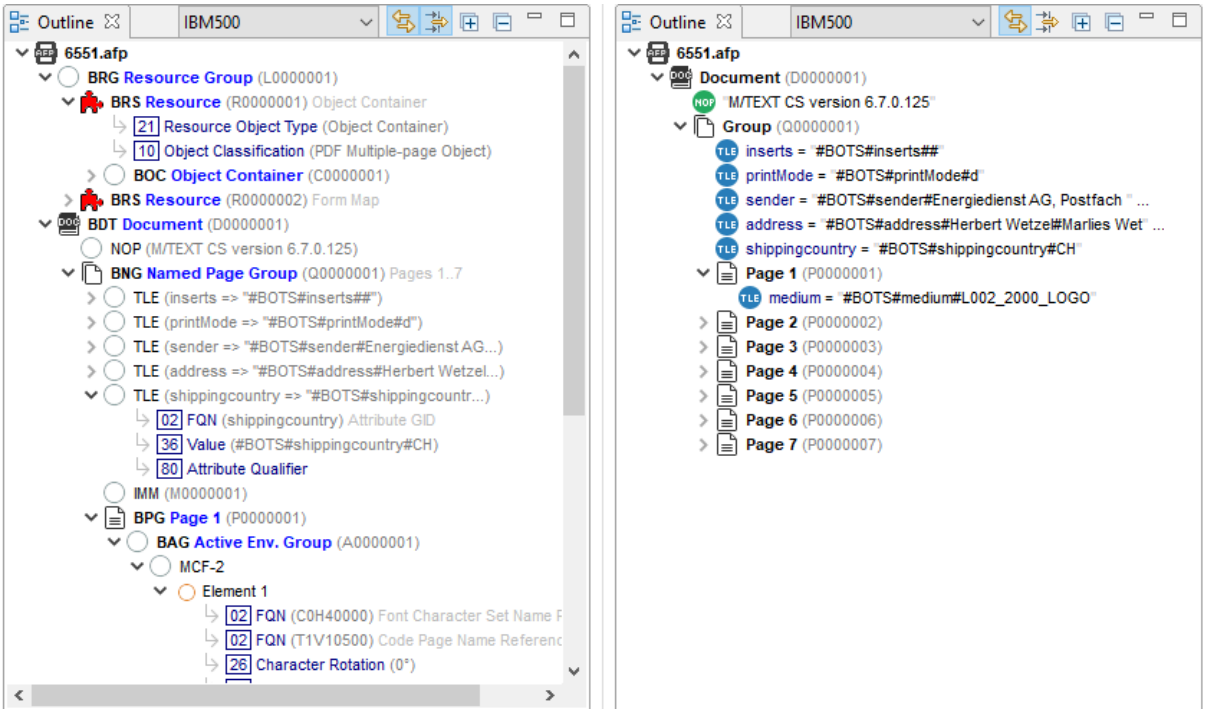
- Rearrange and delete structure fields
- Use the context menu to delete an element
- Rearrange per Drag & Drop
- Save the changed document

We recommend saving your file before any document editing takes place, as invalid AFP structures may be created during editing, and the AFP viewer does not support the *Undo* function

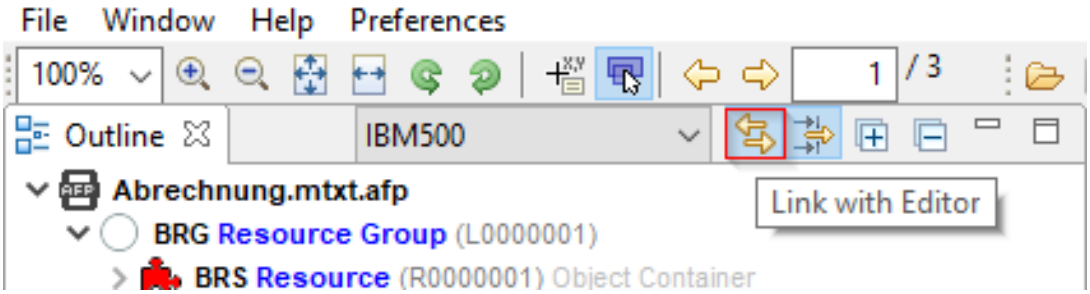
The structure tree offers two modes for document processing: A **detailed** mode and a **simplified** mode. It can be switched using either the button or using preferences.



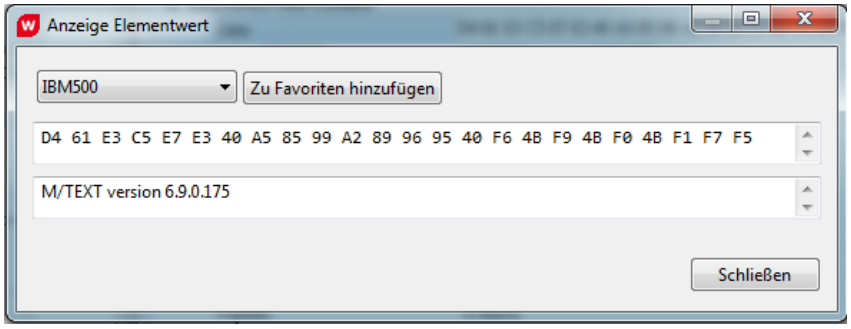
The **detailed** structure on the left side allows inspection of all AFP structure fields and triplets. The **simplified** mode on the right side allows only inspection of basic document structure of pages/page groups and TLE / NOP metadata structure fields.



The button *Link with Editor* enables automatic scrolling to selected page when page (or its child) is selected in the outline.



Until now, only the bytes were shown for AFP fields with binary data (*Data*). Now, the three dots at the end of a window (*Display Element*) can be used to open a window in which the bytes are displayed in the upper half of the window and the associated decoded data is displayed in the lower half of the window.



The encoding used to decode the data can be selected via the drop down box.

2.2.2 General Settings

There are a variety of setting options for navigating within the AFP file, listed below.

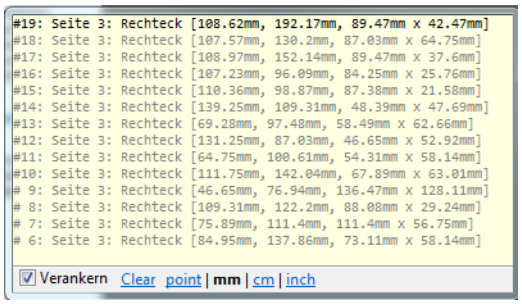
You will find these settings listed under the menu bar.

1. The user can zoom from 5 to 800%. (Documents are rendered with 72 DPI.)
2. Zoom in / Zoom out
3. Zoom to page height / width
4. The document can be rotated. This might make sense as the AFPBox settings do not process the document orientation (portrait or landscape).
5. Show tool tip with coordinates

   Whether or not a tool tip will be shown with coordinates can be selected via a button in the AFP Viewer toolbar. In both cases, the status line shows the position in the document over which the cursor is currently hovering).

   If the mode is active, the mouse can be used to mark squares within the document. If this is the case, the position of the square marked by the mouse (upper left corner) and its size is displayed in a tool tip.

   A variety of display units (point, mm, cm, inch) can be selected in the status bar of the tool tip. The tool tip can also be anchored using the status bar.



6. Select and inspect elements from page

The following behavior is the result of activating this mode:

If **a page** is selected or clicked on, the relevant structural elements are selected and the bounding boxes are highlighted on the page.

If **an element on the page** is clicked on, the element marked is displayed on the page.

If **a resource** is selected (e.g. PageSegment or Overlay), all instances of this resource across the entire document will be highlighted.

7. Validate AFP file
8. Previous page / Next page
9. Entering the page number

2.2.2.1 Page information

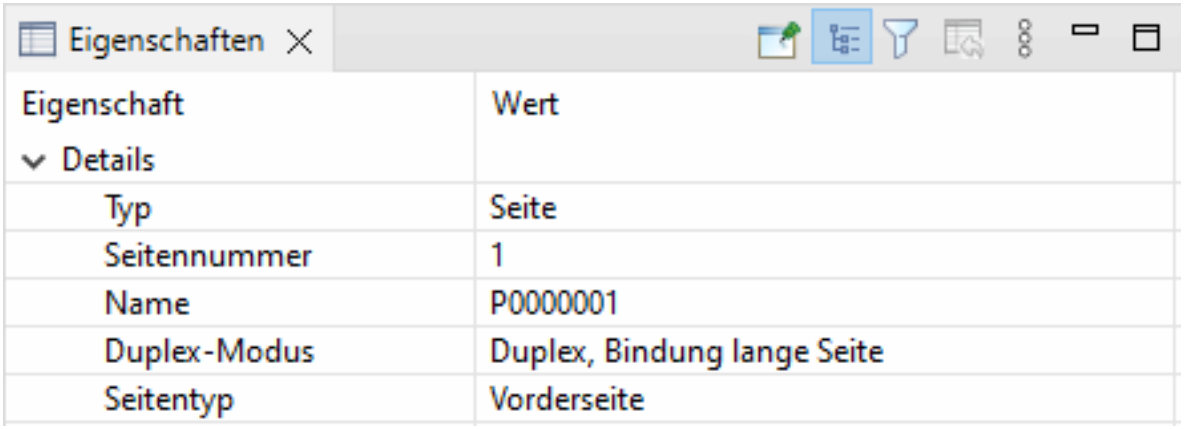
The viewer indicates whether a page is a front or back page, and also provides additional information about the sheet side of each page.

The duplex mode and the sheet side are displayed in a number of places:

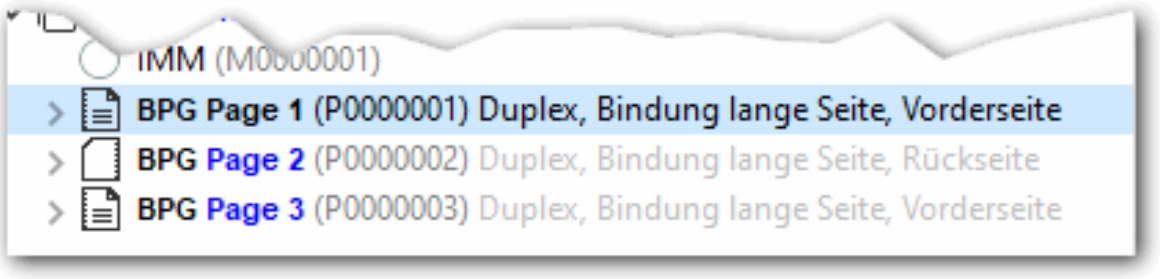
- Page icons (in both simplified and advanced tree modes)

Mode	Icon
Simplex (or not set/unknown)	
Duplex Long Edge, Front Page	
Duplex Long Edge, Back Page	
Duplex Short Edge, Front Page	
Duplex Short Edge, Back Page	

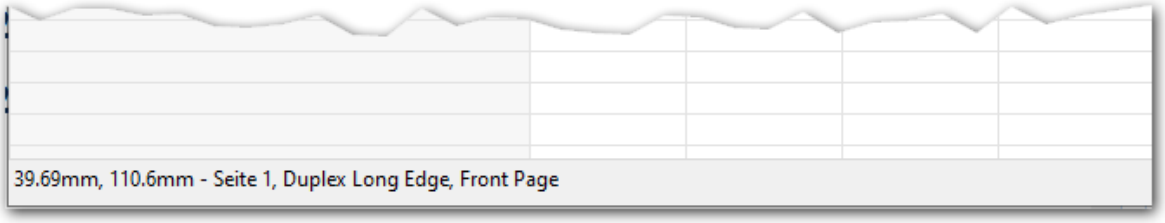
- In the simplified structure tree mode, the information is also displayed in the properties of a selected page.



- In extended structure tree mode, the property view contains "triplet information" so that the duplex and page side are displayed directly in the structure tree instead.



- When the mouse cursor is over a page, the information is displayed in the status bar.



2.2.3 External AFP resources

For the cases when the document refers to external resource (fonts, overlays, etc), simply place the resource to predefined "resource" folder with the same filename that will be automatically used when the document is opened.

When loading document which needs a Font (BFN) named CZH200 it will look for a file named "CZH200" in the resources folder.

The default resources folder is located in *%appdata%\Roaming\AFPViewer*. This can be changed via preferences.

2.2.4 Changing language

The application language is automatically detected via JVM **user.language** property. It can also be set manually

- by adding **-Duser.language=de** at the end of afpviewer.ini or
- by calling afpviewer.exe with the argument **"-nl de"**

2.2.5 Troubleshooting

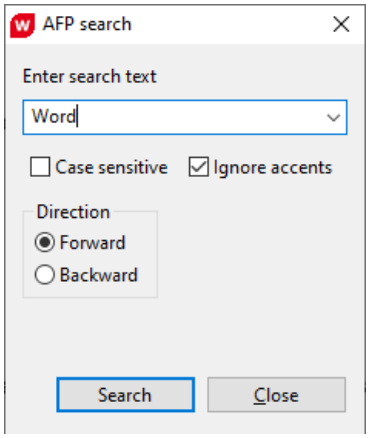
- If the application is not starting, try delete application configuration directory

```
%APPDATA%\AFPViewer\.metadata
```

- To reset the window layout to its defaults run
  - *Window* > *Reset UI-Layout* from the menubar or
  - delete *%APPDATA%\AFPViewer\.metadata\.plugins\org.eclipse.e4.workbench\workbench.xmi*

2.2.6 Text search

Ctrl + F can be used to call the text search in the current document.



2.2.7 Font Technologies

Currently the following font technologies are supported:

- Laser Matrix Fonts
- PFB Fonts
- TrueType Fonts (in object containers, mapped via MDR - Data Object Fonts).

3. The AFP-Viewer in M/Workbench

The AFP viewer is available via the perspective in M/Workbench and is operated in the same way as described in Section 2.2, “Overview of the functions”.

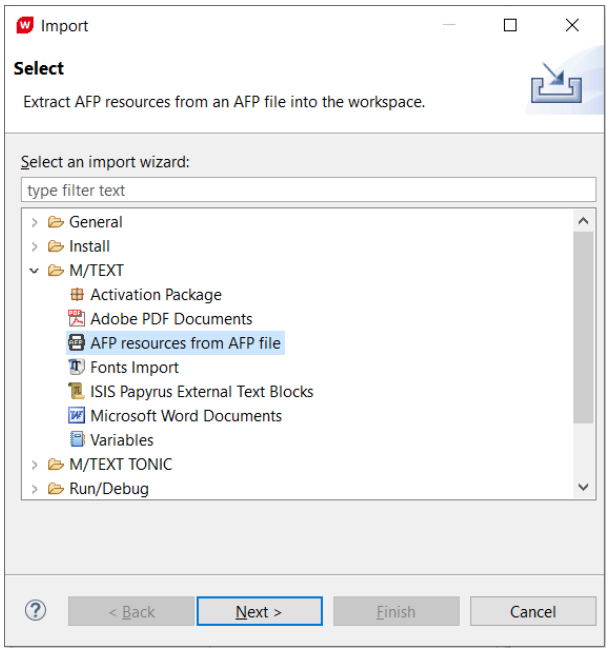
Using the Import Wizard, it is possible to extract AFP resources from the displayed file into a project to be selected and to have corresponding adjustments made automatically in the M/TEXT configuration file.

This option is only available via the perspective in M/Workbench.

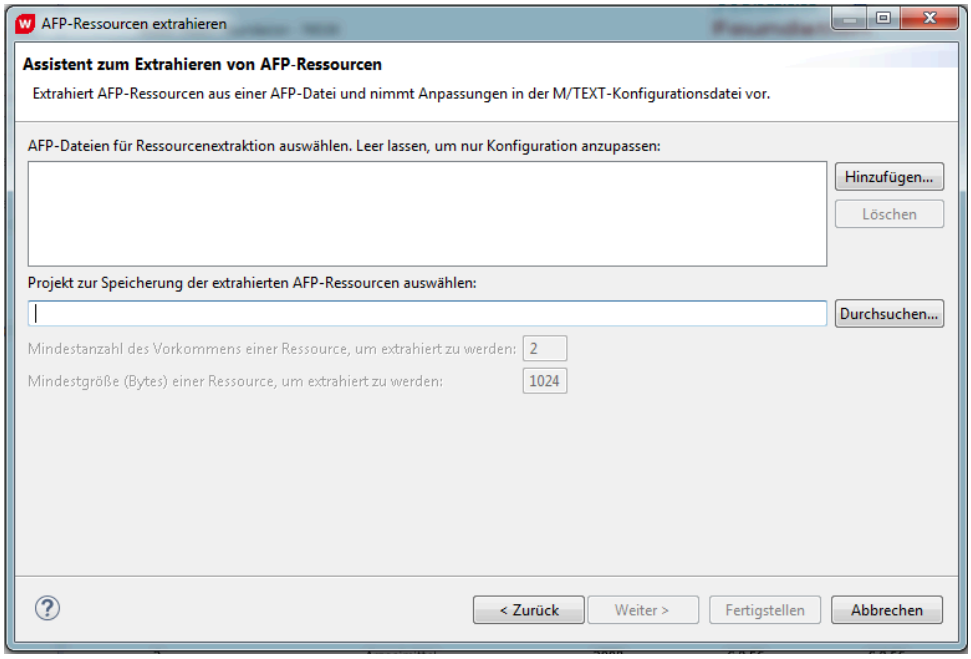
3.1 AFP ressource extraction

Resources from one or more AFP files can be extracted to a target folder within the work environment using the *Assistant for extracting AFP resources*. In addition, adjustments required for use of these resources can be generated in the mtext.conf.xml file.

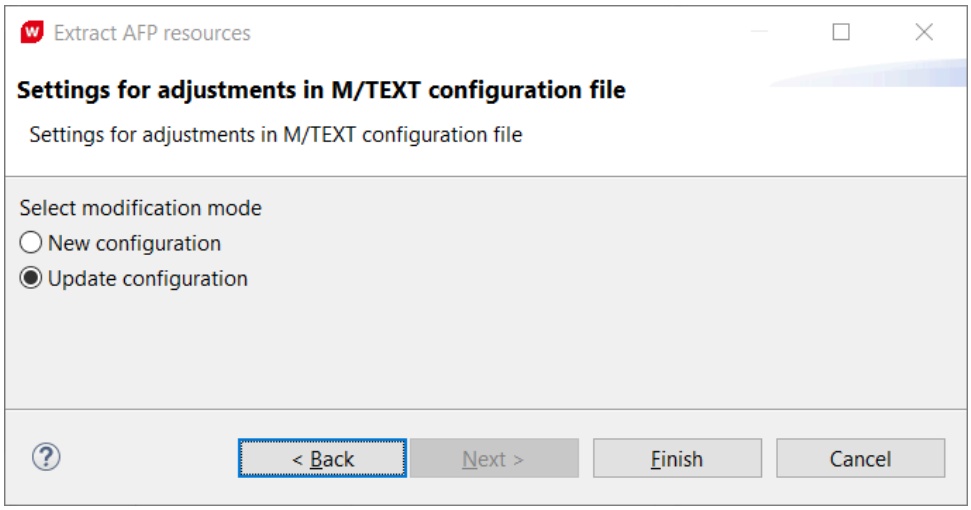
This wizard is opened with *File – Import – M/TEXT – AFP resources from AFP file*.



Select the AFP file for extraction in the resulting dialog. The dialog is also used to select the project to which the extracted resources are to be written. Not selecting an AFP file is also an option. In that case, the configuration entries for the AFP resources found within the project will be generated in the mtext.conf.xml.



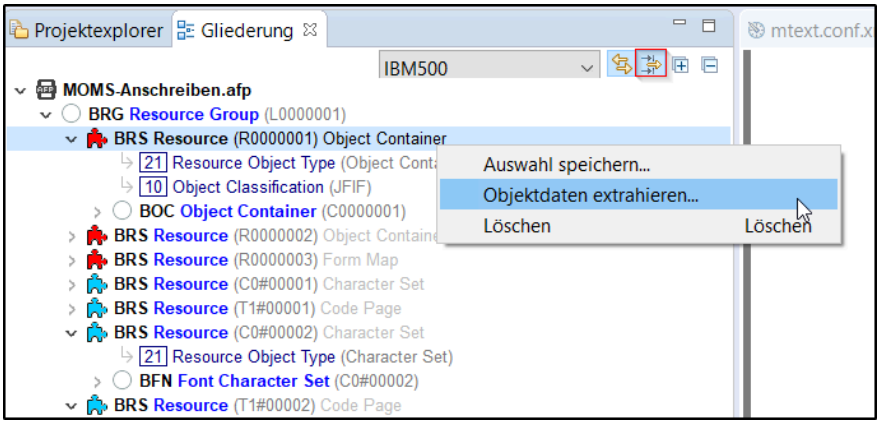
In the next dialog, the user can then select whether the existing configuration in the section *Configuration - Destinations - Destination Standard Values - AFP Resources* will simply be updated using the resources found or whether will be completely overwritten.



3.1.1 Save selected elements and extract object data

With the detailed AFP structure enabled, it is possible to extract selected structures into individual files.

By right-clicking on an element in the detailed structure it is possible to extract pages, page groups as well as resources from the resource group (CodePages, CharSets, FormDefs...) into separate files or save them into separate files.



After selecting "Extract object data", a dialog for saving appears with a suggested file name, where the exported pages and page segments have the extension .afp and the resources get specific file extensions (CodePage -> cps, CharSets -> chs, tec).