

Release November 2016

© Copyright 2005-2016 Suchy MIPS GmbH, Munich. All rights reserved.

This documentation is intended for information purposes only and may be subject to change at any time without prior notice.

Suchy MIPS GmbH assumes no liability for damages incurred directly or indirectly from errors, omissions or discrepancies between the product and this manual. This booklet is copyrighted by Suchy MIPS GmbH with all rights reserved. No part of it may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, microfilming, recording or otherwise without written permission from Suchy MIPS GmbH.

BENS is the intellectual property of Suchy MIPS GmbH.

Microsoft and MS Windows are registered trademarks of Microsoft Corporation, Inc.

SAP is a registered trademark of SAP AG.

PCL, P JL and HP-GL are registered trademarks of the Hewlett-Packard Company.

Contents

1.	Functional Specification	4
2.	Installation of the Filter	Fehler! Textmarke nicht definiert.
3.	Implementation of the Filter	Fehler! Textmarke nicht definiert.
4.	Example and Description of the Configuration File	Fehler! Textmarke nicht definiert.
4.1.	Macro Filter TAGs.....	Fehler! Textmarke nicht definiert.
4.2.	The definition block <MacroDef>	Fehler! Textmarke nicht definiert.
4.2.1.	<MacroID>.....	Fehler! Textmarke nicht definiert.
4.2.2.	<MacroFile>	Fehler! Textmarke nicht definiert.
4.2.3.	<MacroMode>.....	Fehler! Textmarke nicht definiert.
4.2.4.	<MacroCallLocation>	Fehler! Textmarke nicht definiert.
4.2.5.	<MacroPage>	Fehler! Textmarke nicht definiert.
4.2.6.	<LastMacroPage>.....	Fehler! Textmarke nicht definiert.
4.2.7.	<PageNoErrorHandling>	Fehler! Textmarke nicht definiert.
4.2.8.	<AddMacro>.....	Fehler! Textmarke nicht definiert.
4.3.	The definition block <Pcl5Def>	Fehler! Textmarke nicht definiert.
4.3.1.	< Pcl5File >	Fehler! Textmarke nicht definiert.
4.3.2.	< Pcl5CallLocation >	Fehler! Textmarke nicht definiert.
4.3.3.	< Pcl5Page >	Fehler! Textmarke nicht definiert.
4.4.	Importing of external Macros	Fehler! Textmarke nicht definiert.
4.4.1.	<ExternalMacroFile>	Fehler! Textmarke nicht definiert.
4.4.2.	<MacroParsingMethod>	Fehler! Textmarke nicht definiert.
4.4.3.	<StoreExtMacroInMemory>	Fehler! Textmarke nicht definiert.
4.5.	General TAGS	Fehler! Textmarke nicht definiert.
4.5.1.	<ErrToStdout>	Fehler! Textmarke nicht definiert.
4.5.2.	<AddPJL>	Fehler! Textmarke nicht definiert.
4.5.3.	<AddPJLCR>.....	Fehler! Textmarke nicht definiert.
4.5.4.	<AutoPJLFooter	Fehler! Textmarke nicht definiert.
4.5.5.	<ForcedPJLFooter.....	Fehler! Textmarke nicht definiert.
4.5.6.	<ESC>.....	Fehler! Textmarke nicht definiert.
4.5.7.	<PJLFooter>.....	Fehler! Textmarke nicht definiert.
4.5.8.	<ForcedType>.....	Fehler! Textmarke nicht definiert.

1. Functional Specification

The macro filter enables printing PCL macros including overlay, logos, letterheads and so on, that were uploaded onto BENS via the HTML interface. The Macro Filter supports as well PCL5 as PCL6 data streams.

The macro filter is controlled via an XML configuration file. It offers a high flexibility and, among other advantages, enables the actions stated below:

- The selection of single pages and page ranges on which a macro will be printed.
- Changing a simplex page to a duplex page for printing macros (eg. GTC's) on the page back side

Note: When PCL macros are uploaded, no plausibility checks are carried out. Therefore, the user should at first thoroughly test all files to be uploaded. It is recommended to use the Suchy MIPS GmbH MacroGenerator Enterprise to generate macros from XPS Files or graphic files like BMP, JPG or PNG.

2. Installation of the Macro Filter

For installing the Macro Filter on BENS, please proceed as follows:

- Start the BENS HTML administration tool and log on.
- Select the module **Plugins** and then click on the button **Add / Upgrade Plugin**.
- Click on the button **Explore**, mark the Macro Filter file and click on the button **Upload**. The name of the filter then appears in the list of all filters available on BENS.

Note: *Assigning a filter to a virtual printer consumes one licence. The number of available licences can be checked using the module **Licenses**. The used and available licences are displayed in the column "Virtual Printers" of the displayed license table.*

2.1. Assigning of the Macro Filter to a virtual printer

Installed filters only work on virtual printers to which they were assigned. To assign the Macro filter to a virtual printer, proceed as follows:

- Choose the module **Virtual Printers**
- Double-click on the name of the virtual printer to come to the edit dialog.
- Select the tab **Plugins**
- Select the Plugin **Macro** from the drop down list and click on **Add Plugin**.
- The Macro filter appears in the list of active filters assigned to the selected virtual printer.

4.0.5-r19607 Home Dashboard Help Logout

BENS OS4

Virtual Printers

[+] Add Virtual Printer

ID	Name	Queue/Port	Type	SNMP Index	IOS-Printing	Status	Operations
1	test	q1	lpr	2		(ok)	

Information Plugins Edit

Add New Plugin

-- Select a Plugin -- Add Plugin

ID	Code Name	Config File	Installed	Operations
0	macro		true	Delete View

[+] 2 Unicode Printer uni lpr 3 (ok)

2.2. Uploading a Macro configuration file

The filter **Macro** requires the use of a configuration. The purpose of this file is to define pages or page ranges, where particular macros shall be printed.

An example of a configuration file usually is located on the BENS Server. To upload a configuration file, proceed as follows:

- Choose the module **Plugins** and Double-click on **Macro** in the the plugins list. The Plugin Window enlarges and displays all existing configurations for this Plugin.
- Click on **Explore**, select the configuration file and click on **Upload**.
- The new configuration file appears in the list of available configurations.

Note: *An unlimited number of config files may be uploaded. The same config files may be assigned to filters on different virtual printers.*

4.0.5-r19607 Home Dashboard Help Logout

BENS OS4 IPDS / AFPDS

Plugins

[+] Add/Upgrade Plugin

	Name	Type	Version	Licensed	Description	Operations
[+]	Barcode	filter	3.10.02	true		
[+]	CarbonCopy	filter	3.020	true		
[+]	IPDS Server Config	mpi	1.0	false		
[-]	Macro	filter	5.001	true		

Config **Assigned Virtual Printers**

Add new config file for the plugin macro

Keine Datei ausgewählt.

Description

	ID	Name	Description	Operations
[+]	0	KnorrBremse01.xml	KnorrBremse01	Delete Download

[+]	OCR A/B	filter	1.0	true		
[+]	PDF_Converter	converter	1.0	false		
[+]	Prescribe	filter	4.09	true		

2.3. Assigning a Macro configuration to a virtual printer

To assign a Macro configuration to a virtual printer, proceed as follows:

- Choose the module **Virtual Printers**.
- Double-click on the name of the virtual printer.
- Select the tab **Plugins**.
- Double-click on the field **Code Name** and select a configuration.
- Click on **SET** to make the changes permanent.

Note: *One configuration may be assigned per filter and virtual printer but different configuration files may be assigned to the same filter on different virtual printers*

2.4. Deleting a Macro configuration file

A configuration file may be deleted only if it is not assigned to any virtual printer. If you need to delete a configuration, you have to release the assignment from all virtual printers to which this configuration has been assigned.

- Choose the module **Plugins** and Double-click on **Macro** in the "Name" column
- Click on **Delete** in the "Operations" column.

2.5. Downloading a Macro configuration file

- Choose the module **Plugins** and click on **Macro** in the "Name" column.
- Click on **Download** in the "Operations" column. Depending on the browser used, you can open the file directly or download it to the local system. After downloading, the file can be opened by any editor, such as Notepad or Notepad++ (recommended).

1.

2.6. Changing a Macro configuration file

- Choose the module **Plugins** and Double-click on the name of the configuration in the column "Name".
- Make changes and click on **Save**.

2.7. Updating a Macro configuration file

An existing configuration file may be updated, even if it is assigned to virtual printers:

- Existing configuration will be overwritten by uploaded configurations if the file name will match. Follow the instruction for uploading a configuration to update a configuration.

3. The Macro Configuration File:

There is a free Macro Configurator for the Macro Filter available. This configurator is an intuitive operable Windows application and should always be used for generating Macro configuration files. The configurator can be downloaded from the download area of the Suchy MIPS GmbH GmbH home page www.suchymips.de