26 MAY 2022

PRINT MANAGER VER. 3.2.1
RELEASE NOTES

ANDREAS HARTMANN
HMEDIA
mail@hmedia.de

PREAMBLE

The information in this document and any other document belonging to the PrintManager software is subject to change without notice. It does not contain any liabilities incurred by Hmedia. Hmedia takes no charge for any errors that may appear in these documents. Errors and omissions are expected. Any documentation accompanying the PrintManager software is licensed for internal, non-commercial reference purposes only.

The system described in this documentation is subject to technical developments. There may be differences between the documentation and the actual implementation of the system.

Any part of the documentation delivered along with the PrintManager software or accessible on the Hmedia website may not be modified.

No part of the PrintManager software or this document may be passed on to third parties in any form (print, photocopy, microfilm, or in any other process) without the prior written permission of Hmedia. The user is permitted to reproduce this document for his purposes.

Hmedia reserves all rights not expressly granted in this license.

The software described in this document is subject to the following license:

1. The software is left for free use on the customer's systems.
2. Any modification or extension of the PrintManager software is not permitted.
3. No part of the PrintManager software or any PrintManager software artifacts may be in any form given to third parties.
4. You may not reverse engineer, decompile, or disassemble this software.

This license applies to all updates and supplements that Hmedia will provide.

Hmedia may terminate your license if you fail to comply with the terms and conditions of this license.

In this case, you have to uninstall all your instances of the PrintManager software and destroy all copies of the software and any of its artifacts.

THIS SOFTWARE AND THE ACCOMPANYING DOCUMENTATION ARE PROVIDED "AS IS" AND WITHOUT WARRANTY OF ANY KIND.

FURTHERMORE, HMEDIA DOES NOT WARRANT, GUARANTEE OR ASSUME ANY LIABILITY WITH RESPECT TO THE USE AND RESULTS OF THE USE OF THE SOFTWARE AND DOCUMENTATION IN TERMS OF CORRECTNESS, ACCURACY, RELIABILITY, TIMELINESS OR OTHERWISE. THE ENTIRE RISK AS TO THE RESULTS AND PERFORMANCE OF THE SOFTWARE IS WITH THE USER. IF THE SOFTWARE OR USER DOCUMENTATION IS DEFECTIVE, THE USER ALONE, AND NOT HMEDIA, ASSUMES THE ENTIRE COST OF ALL NECESSARY REPAIRS AND CORRECTIONS.

NEITHER HMEDIA NOR ANY OTHER PARTY INVOLVED IN THE DEVELOPMENT, PRODUCTION OR DELIVERY OF THIS PRODUCT SHALL BE LIABLE FOR ANY DAMAGES WHATSOEVER, WHETHER DIRECT,

INDIRECT, CONSEQUENTIAL OR INCIDENTAL (INCLUDING DAMAGES FOR LOSS OF PROFITS, BUSINESS INTERRUPTION, LOSS OF DATA, LOSS OF BUSINESS INFORMATION AND OTHER PECUNIARY LOSS), ARISING OUT OF THE USE OF OR INABILITY TO USE THIS PRODUCT, EVEN IF HMEDIA HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

This product includes software developed by The Apache Software Foundation (http://www.apache.org/).

The designations and brand names of the respective companies used in this document are generally subject to trademark, brand or patent protection.

TABLE OF CONTENTS

PREFACE

GENERAL

The Hmedia PrintManager accomplishes the Avid Newsroom Management System with versatile PDF rendering and printing functions. It offers PDF renders of particular iNEWS queues or selected, individual stories. The created PDF documents can be printed, previewed in Adobe Acrobat, or sent out via email straight from within the PrintClient software.

ABOUT THIS DOCUMENT

The chapters of this document cover following objectives:

- New Features and Functions
- Changed Features and Functions
- Fixed Bugs

SYMBOLS AND CONVENTIONS

Terms

The Avid iNEWS system is now rebranded to MediaCentral | Newsroom Management. The term iNEWS is still common and get used in many documents. This PrintManager Documentation utilizes both terms **iNEWS** and **Newsroom Management** synonymously.

The data structure in iNEWS has three fundamental elements: Directory – **Queue** – Story. Directories don't matter at all for the PrintManager. A queue is a collection of individual stories and the most common element to print. However, the PrintManager can also handle single or multiple selected stories.

Printstyle is the rule set to convert the source data into a PDF layout. Technically, the printstyles are XSLT stylesheet documents.

Bold

Bold text emphasizes important terms, letters, signs, or numbers.

Tip

INFORMATION FORMATTED LIKE THIS HELP THE READER NOT TO MISS ADDITIONAL FACTS.

Warning

A WARNING LOOKS LIKE THIS HELPS YOU TO AVOID COMMON PROBLEMS AND KNOWN ISSUES.

Links

Hypertext links look like: https://hmedia.de

Console Commands and Console Output

Another font is used to indicate command line phrases and related outputs, like here for the command **java -version**:

```
c:\>java -version
```

```
openjdk version "16" 2021-03-16
OpenJDK Runtime Environment (build 16+36-2231)
OpenJDK 64-Bit Server VM (build 16+36-2231, mixed mode, sharing)
```

NEW FEATURES AND FUNCTIONS

PRINTSERVER

PRINTCLIENT

Java-Runtime

The PrintClient beginning with Version 3.2.1 comes with an embedded OpenJDK. So, the Hmedia PrintClient is independent from an otherwise installed JRE in the OS.

THE EMBEDDED JAVA RUNTIME DOESN'T RETRIEVE ANY SECURITY UPDATES AND NEED TO GET PATCHED MANUALLY.

Version 3.2.1 utilizes the OpenJDK 18.0.1.1. It is allocated in the sub folder **Java** in the PrintClient home directory (typically **C:\Program Files\Hmedia\PrintClient**).

Windows Registry

Previous versions of the PrintClient required an entry in the Windows Registry in the section HKCU. That entry was created automatically during the installation procedure and referred to the PrintClient home directory.

Beginning with version 3.2.1, that registry key is not required any more. The home directory is evaluated at runtime by the program itself.

CHANGED FEATURES AND FUNCTIONS

PRINTSERVER

Qualified Server System

The PrintServer 3.2.1 is tested and validated on Rocky Linux 8.6 (Green Obsidian) with Apache Tomcat 9.0.63.

Communication with iNEWS

The PrintServer beginning version 3.2.1 rolls back to FTP instead FTPS when reading source data from iNEWS.

iNEWS enables insecure communication with FTP optionally by an environment setting. For this, each server of an iNEWS system needs a text file named rxnet in the folder **/site/env**. The file must contain an entry **RXREQUIRESSL=0** to enable insecure FTP (see Avid iNEWS Setup and Config Guide).

HMEDIA DELIVERS THE PRINTSERVER ALSO WITH FTPS. FTPS WORKS ON DIFFERENT NETWORK PORTS THAN FTP AND, HENCE, REQUIRES A RECONFIGURATION OF THE FIREWALL ARCHITECTURE BETWEEN THE PRINTSERVERS AND THE iNEWS SERVERS.

PRINTCLIENT

Syntax for the PrintClientClipboardMonitor

The trigger indication for the PrintClientClipboardMonitor ab Version 3.2.1 is **PRINT[**. The pattern of clipboard data are now:

```
PRINT[iNEWS System Name]Queue Name <Optionen>
```

This format was already used for older versions of the PrintClient and allows an easier migration.

HMEDIA CAN ALSO DELIVER A VERSION OF THE PRINTCLIENT WITH THE TRIGGER **HMEDIA_PRINT[**. THAT SYNTAX IS MORE ROBUST AGAINST ACCIDENTIAL TRIGGERING OF THE PRINTCLIENTCLIPBOARDMONITOR.

FIXED BUGS

PRINTSERVER

PRINTCLIENT

Flashing Console Windows

During the start of PrintClient 3.2 is two times a Command windows visible for a very short time. That behavior is fixed.