

## RELEASE NOTES

# PrintManager

version 2.3.0

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Radebeul, 2007-06-05



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## Processing Note

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## Versions

<b>Date/Version</b>	<b>Editor</b>	<b>Changes</b>
2007-06-12	A. Hartmann	Initial version
2007-06-13	S. Weber	Server Configuration

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## 1 General

This document is an upgrade to PrintManager 2.2.1 Release Notes. So read that document also carefully.

PrintManager 2.2.1 had several updates for the user interface compared to PrintManager 2.2.

PrintManager 2.3 on the other hand is mostly an upgrade of the PrintManager backend. The iNEWS connection layer is completely rebuilt. PrintServer now uses the same iNEWS API as the *media* ClockServer.

We have also introduced a new license system. That makes the software more safe and so we can offer the whole system over the Internet. Easy for you – come to our website and get updates and trial versions.

Finally as an important feature upgrade the PrintClient now prints queues out of the local database. With that users have access to full printing functionality even if they are in field without connection to your central iNEWS system.

## 2 Features

- Local database content can be printed
- License system rebuilt
- Server backend rebuilt

## 3 Installation And Configuration

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**IT IS STRICTLY SUGGESTED TO REMOVE THE PREVIOUS PRINTCLIENT / PRINTSERVER SOFTWARE COMPLETELY FROM YOUR SYSTEM.**

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PrintClient

1. Open the related directory on your installation medium and run the **setup.exe**.
2. Follow the instructions during the setup procedure.
3. After installation manage the registry entries to configure PrintClient. Also refer to PrintManager 2.2 User Manual how to configure the PrintClient registry keys.

Following steps are needed only on machines, where local database content has to be printed from. If you do not need to print from local databases you can skip steps 4 – 7.

4. There are two additional registry values in

`HKLM\Software\Hmedia\PrintClient:`

- `LocalPrintCodePage` – specifies codepage the local database is encoded with. The default value preset during the installation is `CP1252`.

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**FOR iNEWS 2.6 LOCAL DATABASES CHOOSE UTF-16LE. DON'T TRY TO USE THE SAME LOCAL DATABASE WITH iNEWS 2.1 OR EARLIER AND iNEWS 2.6.**

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- `LocalPrintStyleDir` – specifies directory where stylesheets for local printing are stored. An `iNewsSystems.txt` file has to be saved in this directory. The default value preset during the installation is `%ProgramFiles%\Hmedia\PrintClient\stylesheets`.

5. Copy the printstyles from your `PrintServer` into the `LocalPrintStyleDir` directory specified in step 4.

6. Create an `iNewsSystems.txt` file inside your `LocalPrintStyleDir` directory. If you use the `PrintStyles` from your `PrintServer` machine you can use the `iNewsSystems.txt` file from that `PrintServer`.

The system sections inside `iNewsSystems.txt` (i.e.: `[NRCS]`) are not necessary. They have no effect for local printing. All stylesheet entries from all systems will be displayed in the `PrintClient`. So in case of more than one `iNEWS` system on your network it might be better to create a separate `iNewsSystems.txt` file just for local printing.

Refer to `PrintManager 2.2 User Manual` for more information about `iNewsSystems.txt` file.

7. Copy the separately shipped `license.lic` file in the `PrintClient` directory (usually `%ProgramFiles%\Hmedia\PrintClient\`)

## PrintServer Installation (both Linux and Windows)

Install the PrintManager as described in **PrintManager 2.2.1 Release Notes** and **PrintManager 2.2 User Manual**.

Additionally copy the separately shipped `license.lic` file in the Print-Manager directory. Usually that is,

- `%ProgramFiles%\Hmedia\PrintServer` for Windows
- `/usr/PrintServer` for Linux

## PrintServer Configuration (both Linux and Windows)

In previous versions the PrintServer and the iNEWS systems had to be configured in the configuration file `conf.xml`. Starting with PrintManager 2.3 the iNEWS configuration is separated from the PrintServer configuration. There are now two configuration files in the PrintServer directory. The `conf.xml` file for the PrintServer part of the configuration and the `inewsconf.xml` file for the iNEWS systems configuration. The structure of both files is closely related to the configuration file of previous PrintServer versions. The following is an example of the PrintServer configuration file `conf.xml`:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE PrintManagerConfiguration SYSTEM "PrintManagerConfiguration.dtd">
<PrintManagerConfiguration>
  <codepage>windows-1252</codepage>
  <stylesheets>10</stylesheets>
  <stylesheetDirectory>/usr/PrintServer/xsl</stylesheetDirectory>
  <requestDirectory>/home/printclient/incoming</requestDirectory>
  <outputDirectory>/home/printclient/output</outputDirectory>
  <statusDirectory>/home/printclient/status</statusDirectory>
  <workingDirectory>/usr/PrintServer/temp</workingDirectory>
  <logfile name="/usr/PrintServer/logfile.xml"/>
</PrintManagerConfiguration>
```

Compared to the `conf.xml` file of previous PrintServer versions only the `iNews_systems` tag and its subtags are missing in the new `conf.xml` file. The `inewsconf.xml` file now contains this part of the configuration. Here is an example `inewsconf.xml`:

```
<?xml version="1.0" encoding="UTF-8"?>
<iNEWSConfiguration>
  <system name="NRCS" maxConnections="6" loadBalance="2">
    <server host="172.21.10.1" maxConnections="6"
      defaultUser="user" defaultPassword="password"
      connectionTimeout="3000"/>
    <server host="172.21.10.2" maxConnections="6"
```

```
        defaultUser="user" defaultPassword="password"
        connectionTimeout="3000"/>
</system>
<system name="NRCS26" maxConnections="6" loadBalance="2">
    <server host="172.21.10.3" maxConnections="6"
        defaultUser="user2" defaultPassword="password2"
        connectionTimeout="3000"/>
</system>
</iNEWSConfiguration>
```

**For more information about the conf.xml file see the PrintManager 2.2 User Manual.**

**Appendix A contains a structure overview of the inewsconf.xml file. The rest of the PrintServer configuration is based on PrintServer 2.2.1 Release Notes.**

## 4 Operations

### PrintClient

**The PrintClient operations for network print doesn't differ to previous versions. So refer to PrintManager 2.2 User Manual for more information.**

**Printout of a local database queue also doesn't differ to network printout.**

### PrintServer

**The PrintServer operations doesn't differ to version 2.2.1. So refer to PrintManager 2.2.1 Release Notes and PrintManager 2.2 User Manual for more information.**



## Appendix A – iNEWS configuration file structure

Element (Parent Element)	Variables	Sub- elements	Meaning
iNEWSConfiguration		system	root element
system (iNEWSConfiguration)	<p>name = {name} the name of the iNEWS system</p> <p>maxConnections = {integer} the maximum number of simultaneous connections to this system.</p> <p>loadBalance = {integer} the maximum difference of connections between the servers.</p>	server	The configuration of an iNEWS System.
server (system)	<p>host = {string} IP or DNS name of the iNEWS server.</p> <p>maxConnections = {integer} the max. number of connections that can be established on this server.</p> <p>defaultUser = {string} the default login name.</p> <p>defaultPassword={string} the password for the default user.</p> <p>connectionTimeout = {integer} the maximum time in milliseconds the ClockServer will wait for a response when connecting to the server.</p>		Contains the configuration of an iNEWS Server within an iNEWS system.