

CreationDirect

XML Report Converter User Guide

CreationOnline User Manual

June 2006

Document number: 6354

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1. XML Report Converter

Introduction

With the new XML Report Converter, customers have the possibility to view all CreationDirect reports data with Microsoft® Excel® or other spreadsheet and database applications. All CreationDirect reports in XML (Extensible Mark-up Language) format can be converted into Excel (XLS) or Comma Separated Value (CSV) files, allowing for manual calculations, sorting, filtering or tailor-made macros.

XML (Extensible Mark-up Language) is an open, structured format which has been designed to deliver structured content over the web, for ease of implementation and for interoperability.

The XML Report Converter and documentation is available on the Clearstream Banking web site, under [Publications & Downloads \ Connectivity \ CreationConnect \ CreationDirect](#). Customers wishing to receive the software on CD-ROM can request it from Connectivity Customer Services.

The converter can be installed on Windows systems and several other systems.

The application can be launched as user interface or automatically via a command line.

Further information

Information about the services provided by the CreationConnect channels can be found on the Clearstream Banking web site, www.clearstream.com, under Connectivity.

You can also contact Connectivity Customer Services as follows:

	Luxembourg	Frankfurt	London
Telephone:	+352-243-38110	+49-69-211-1 15 90	+44-(0)20-7862-7100
Fax:	+352-243-638110	+49-69-211-61 40 69	+44-(0)20-7862-7254
E-mail:	connectlux@clearstream.com	connectfrankfurt@clearstream.com	connectlondon@clearstream.com

Disclaimer

The use of this software is bound by the provisions of the Clearstream Banking Connectivity Agreement

2. Requirements and Installation

Workstation hardware specifications

Resource	Recommended provision	Minimum provision
IBM-compatible PC on a 32-bit platform	Pentium 4 - 2.4 GHz or above (or PC-compatible equivalent)	Pentium III 500 MHz (or PC-compatible equivalent)
RAM	512MB or above	64MB ^a
Free space on hard disk	100MB ^b	100MB ^b
Monitor	SVGA (17 inch or above)	SVGA (15 inch)
Monitor resolution	1280 by 1024 pixels	1024 by 768 pixels
Mouse	Any Microsoft Windows-compatible pointer device	As recommended provision

- a. This amount of RAM is required solely for the XML Report Converter. If you run other applications, more RAM will be needed.
- b. The XML Report Converter application requires only a small amount of hard disk space. However, you are strongly recommended always to keep 20-30% of the original disk space free (independent of XML Report Converter) in order to prevent significant performance degradation when the operating system swaps virtual memory.

Workstation software specifications

This section lists the software required as a prerequisite to installing and using XML Report Converter. It also provides appropriate installation and configuration information.

The following table shows the minimum and recommended software required:

Resource	Recommended provision	Minimum provision
Software	WinZip (or equivalent zip file utility)	None
Plug-ins	Java™ 2 Runtime Environment 1.4.2_06 International Version	As recommended provision

Installing XML Report Converter

To install with Windows installer:

1. Use Windows Explorer to go to where you saved the downloaded XML Report Converter software.
2. Double click on XMLReportConverter.MSI.
3. In the Welcome dialog box, click on Next to continue.
4. In the User Information dialog:
 - a. Full Name: Enter your first and last names
 - b. Organization: Enter your company name.
 - c. Specify whether the XML Report Converter is available to you, or to all users who log onto your computer.Click on Next to continue.
5. In the Destination Directory dialog, you may choose the directory to install the XML Report Converter files. The default is C:\Program Files\Clearstream\. To change the installation directory, click on Browse and specify a directory.
Click on Next to continue.
6. In the Ready to Install Application dialog, you have the opportunity to go back and change any information that you have already entered.
Click on Next to install the XML Report Converter.
7. When the installation begins, the Updating System dialog opens and shows you the progress as the files are copied. Once this process is complete, a dialog informs you that the XML Report Converter has been installed.
Click on Finish to complete the installation.

The installer places an XML Report Converter icon on your desktop.

To install with compressed files:

If you have an Operating System other than MS Windows or if you do not have user rights to install programs, use this procedure to install the XML Report Converter by copying the files to a directory of your choice.

1. Use Windows Explorer to go to where you saved the downloaded XML Report Converter software.
2. Double click on XMLReportConverter.zip to open the file in your zip file utility. The following instructions are for WinZip.
 - a. Click on Extract in the toolbar.
 - b. Browse to where you want to extract your files to.
 - c. Ensure that the radio button All Files is checked.
 - d. Click on Extract to extract your files to your chosen directory.

3. Starting the XML Report Converter

XML Report Converter Graphical User Interface

To start the XML Report Converter:

From the desktop:

1. Double click on the XML Report Converter icon on the desktop.

From the Windows Start menu (Windows installation only):

1. Click on Start, Programs, XML Report Converter.

From the Program directory:

1. Open Windows Explorer, browse to C:\Program Files\Clearestream or other directory that the software has been installed or extracted to.
2. Double click on the XML Report Converter icon.

Automatic start with user interface

If you wish to automate the conversion of XML reports, it is possible to launch the XML Report Converter with the user interface. Your back-end system can send a command line automatically, and converted reports will be available without any user intervention.

1. Launch a command line interface.
2. From the install directory, use the command:
java -Xmx256M -jar XMLReportConverter_CommandLine.jar -files "file1" "file2" ... -format {excel, csv} -conversion {standard, custom}

The command line requires three arguments:

- a. **-files** is followed by a list of the file names, each in quotes.
 - b. **-format** is set to excel to obtain an Excel output file, or set to CSV to obtain a CSV output file.
 - c. **-conversion** is set to standard to use the standard template or set to custom to use the custom template.
3. Example:
java -Xmx256M -jar XMLReportingConverter_CommandLine.jar -files "report.xml" -format csv -conversion standard

This command line will convert the file "report.xml" into a CSV file using the standard template.

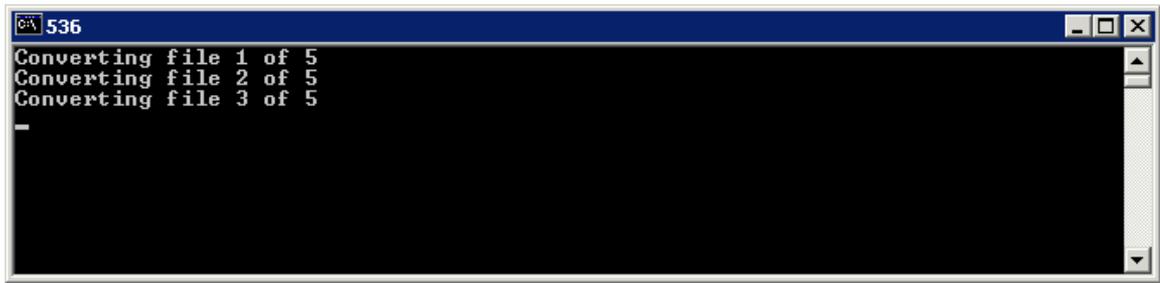


```
C:\WINNT\system32\cmd.exe
Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.

P:\>java -Xmx256M -jar XMLReportingConverter_CommandLine.jar -files "report.xml"
-format csv -conversion standard_
```

Starting the XML Report Converter

4. The conversion will be processed as shown below:



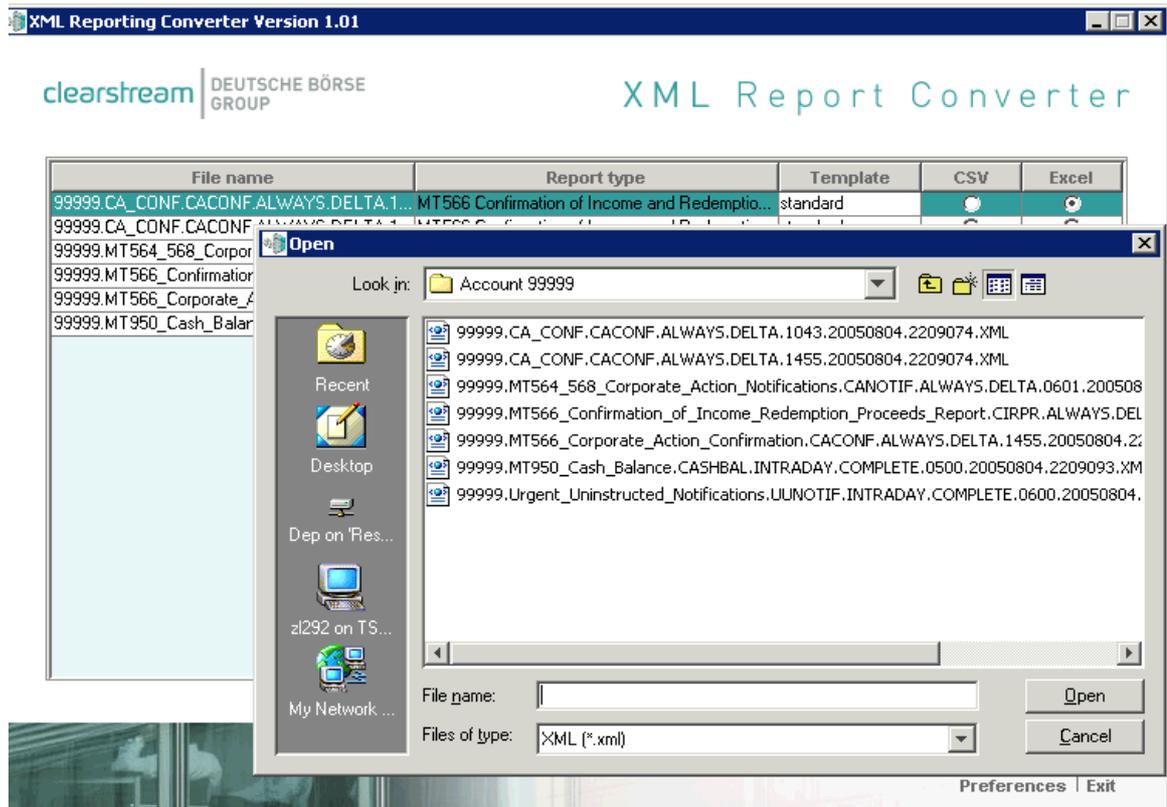
```
536
Converting file 1 of 5
Converting file 2 of 5
Converting file 3 of 5
-
```

4. Detailed functions

This section guides you through the process of transforming Clearstream XML report files to CSV or Excel files.

Converting an XML report file

1. After starting the XML Report Converter, you can choose one or more file to convert by clicking on **Add**.



2. Select one single file or multiple files (Shift or CTRL key) and click on the open button.

All selected files will then be seen with:

- a description of the report type
- standard conversion or the selected template
- the format of the file, either Excel or CSV.

The default selection is "Standard" and Excel.

It is also possible to convert a file into Excel and CSV at the same time. The file can be added a second time, and the format chosen as CSV.

If you wish to remove one or more reports from the list, select the reports and click on **Remove**.

3. To start the conversion of the reports, click on Convert. The file(s) will be converted and saved either in the same directory as the XML file (Standard conversion) or the directory specified by the user (Custom conversion).
4. Click on Exit to close the application.

Report templates

After starting the XML Report Converter, you can create custom report templates by clicking on **Preferences**.

Click on the drop-down list to select the report type for which you want to create, modify or delete a template.

Creating a custom report template

1. After selecting a report type, click on **Create**.
2. A tree, representing all data contained in the report will appear:



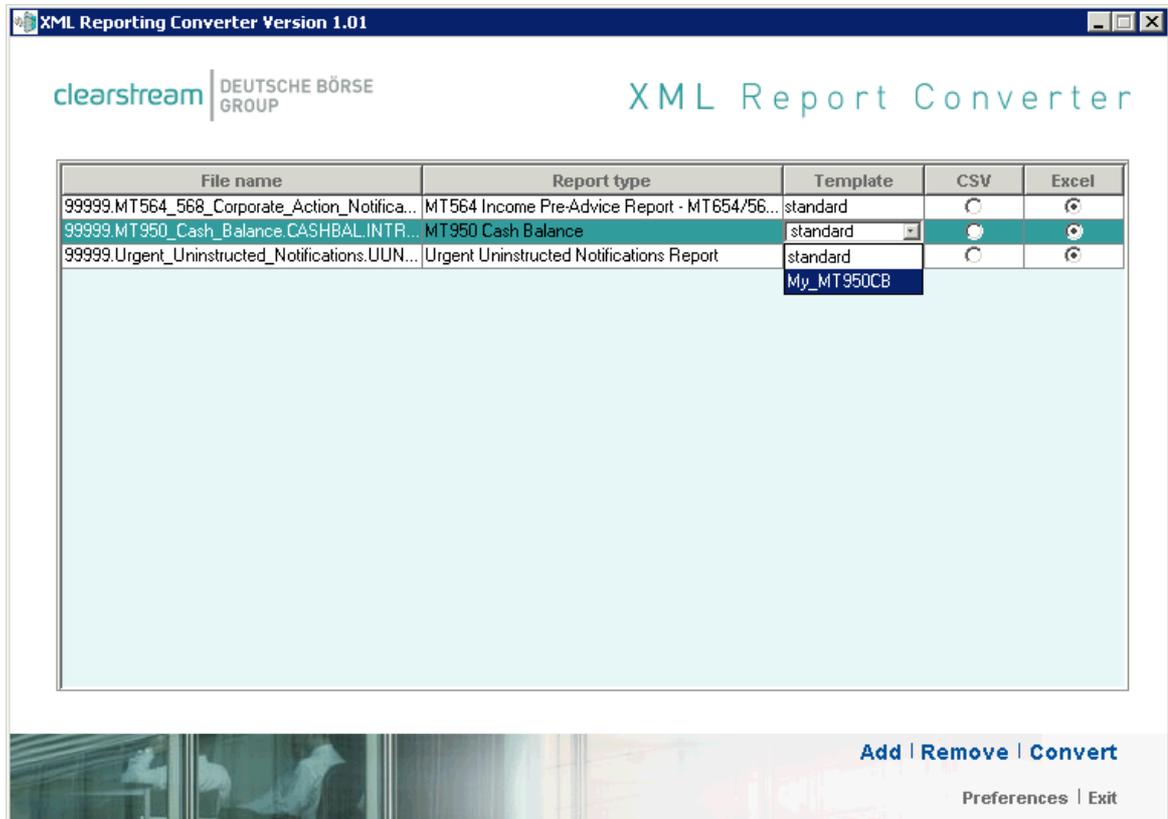
3. You can specify what information should be shown in the converted files (Excel or CSV). Ensure that the tick box is deselected for any information that you do not want to be shown in the converted file.
4. To navigate the data tree, select the **+** of a limb and the next level will be shown. If the user selects **-** the level will be closed again.
5. Once the fields to be converted have been selected, save the settings by clicking on **Save as....** You must first define a name for the template, then the system will open a window, where you can specify the output directory to where the custom converted file will be saved.
6. Click on **Exit** to close the window.

XML Report Converter

Using a custom report template

To use a custom report template:

1. Add an XML file to convert in the selection list and click on Standard in the "Template" column. A drop-down list with your templates will be shown.



Modifying a custom report template

To modify a custom report:

1. Click on **Preferences** in the main window.
2. Select the template you want to modify in the drop-down list.
3. The data tree will appear. You can change the template and click **Save as...** to save the new selection.
4. Click on **Exit** to close the window.

Deleting a custom report template

To delete a custom report template:

1. Click on **Preferences** in the main window
2. Select the template you want to delete in the drop-down list. Once the template for a report type has been selected the data tree will appear. Click on Delete and confirm.
3. Click on **Exit** to close the window.

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June 2006

Document number: 6354
