

Administrator Guide

XenData Report Generator

Version 5.0x



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1. Overview

This report generator provides reports for a digital archive running XenData Archive Series software. Available reports are:

- **Tape Cartridge Contents** This displays the files stored on a selected tape cartridge.
- **Volume Contents** This displays the files stored on a selected Volume.

Reports may be saved in a number of different formats, including as a text file that may be imported into Microsoft Excel.

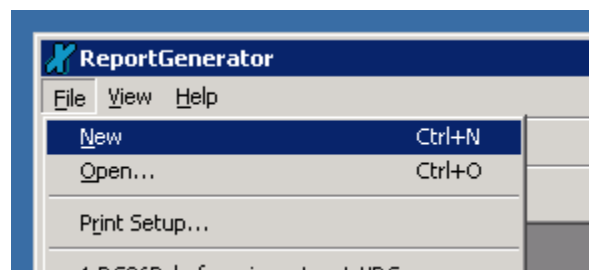
2. Starting the Report Generator

To start the XenData Report Generator:

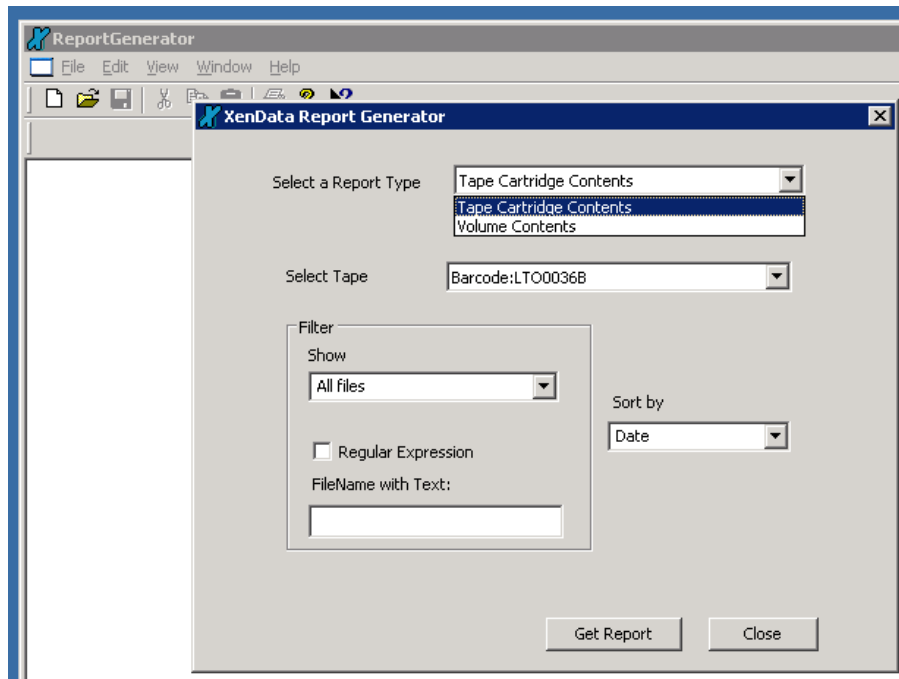
1. Click **Start**
2. Click **Programs**
3. Click **XenData**
4. Click **XenData Report Generator**

3. Creating Reports

Start the Report Generator program and from the initial page, select **File** and then **New** as shown below.



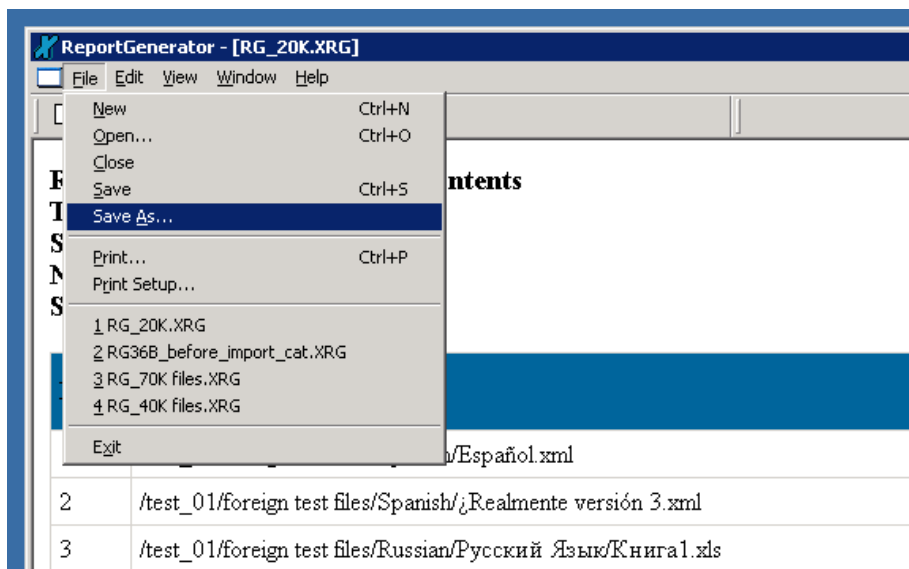
Then select the required report type from the drop down menu as shown below.



4. Saving Reports

A report can be saved in four different formats: Report Generator format (.XRG), plain text, unicode text or XML. The XRG format is the only format which can be displayed by the Report Generator. The text formats are useful for exporting the results to Microsoft Excel.

To save a report, select **File** and then **Save As** as shown below.

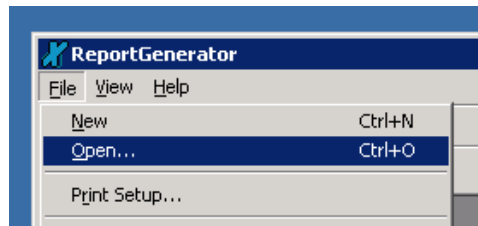


Then browse to the required location, select the file name and format and then click **Save**.

5. Displaying Saved Reports

The Report Generator will display reports saved in the XRG format only.

Start the Report Generator program and from the initial page, select **File** and then **Open** as shown below.

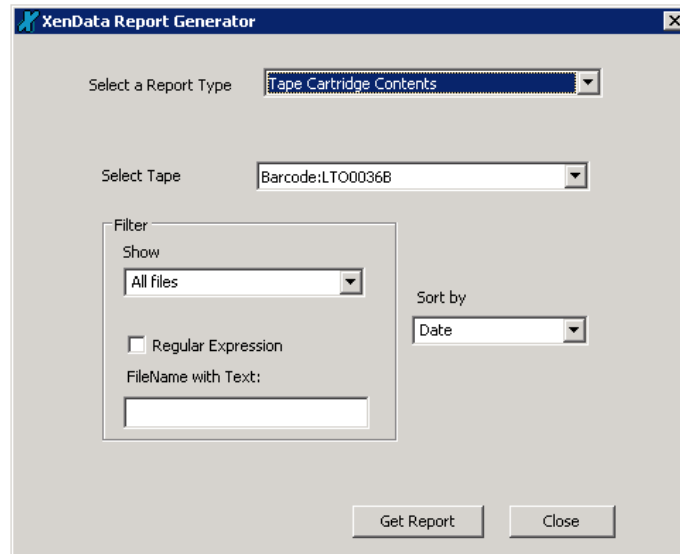


Then browse to the location of the saved report, select the required XRG file and open it.

6. Reports in Detail

6.1 Tape Cartridge Contents

6.1.1 Configuring a Tape Cartridge Contents Report



The Tape Cartridge Contents Report lists the contents of the selected tape. The displayed report can be filtered to show one of the following:

- **All Files** This displays all files on the tape including deleted files, old versions of files and renamed files.
- **Only Current Files** This displays only the current files. These are files that can be accessed via the archive file system interface and excludes deleted files, old versions of files and renamed files.
- **Only Deleted Files** This displays only deleted files, old versions of files and renamed files.

The displayed report can also be filtered using a Regular Expression if the **Regular Expression** checkbox is ticked. Enter the search expressions in the box below the checkbox. More information about Regular Expressions is provided in the Help File.

If the **Regular Expression** checkbox is not ticked, the displayed report will be filtered to show only files that contain the specified text. Note that wildcards are supported and the search is case sensitive.

Having selected the tape and the filtering options, select the **Sort by** option and then click **Get Report**.

Note: A Tape Cartridge Contents Report is only available for tapes that have a tape catalog file on the archive disk cache. Tapes created with versions of XenData Archive Series software prior to 4.50 do not automatically have tape catalogs. Also tapes imported from another XenData archive will not automatically have a tape catalog on magnetic disk. In these cases, the Build Catalog function should be used to create a tape catalog file on the disk cache.

6.1.2 Understanding a Tape Cartridge Contents Report

An example of a Tape Cartridge Contents Report is shown below.

Report Type: Tape Cartridge Contents
Tape : Barcode:X0013BL4
Showing: All Files
No filters
Sorted by : Date

No	File Name	Generation	Version	FileSize (bytes)	Date Archived	Type
1	/archive/Foreign Files/Spanish/Español.xml	0	1	52,893	Mar 04 2008 11:16	Current
2	/archive/Foreign Files/Spanish/¿Realmente versión 3.xml	0	1	52,893	Mar 04 2008 11:16	Current
3	/archive/Foreign Files/Russian/Русский Язык/Книга1.xls	0	1	17,920	May 30 2007 12:05	Current
4	/archive/Foreign Files/Russian/Русский Язык/Книга2.xls	0	1	17,920	May 30 2007 12:06	Current
5	/archive/Foreign Files/long file names/New Wordpad Document_New Wordpad Document_New Wordpad Document_New Wordpad Document106.doc	0	1	4,809	May 29 2008 16:21	Current
6	/archive/Foreign Files/long file names/New Wordpad Document_New Wordpad Document_New Wordpad Document_New Wordpad Document106New Wordpad Document_New Wordpad Document_New Word145.doc	0	1	8,755	May 29 2008 16:20	Current
7	/archive/Foreign Files/German.lproj/Apple Qmaster User Manual.pdf	0	1	640,484	May 16 2008 17:23	Current
8	/archive/Foreign Files/German.lproj/InfoPlist.strings	0	1	328	May 16 2008 17:23	Current
9	/archive/Foreign Files/German.lproj/New Features_Güter-Einstieg.pdf	0	1	56,002	May 16	Current

The display columns are described below.

No. This is the number of the file in the display sorted by either date or file name, as defined by the **Sort by** selection.

File Name This is the file name including full path from the root of the archive logical drive letter.

Generation When a file of a given name and path is first created, it is termed generation 0. Every time the file is deleted and then a new file of the same name containing data is created, the system increments the generation number. Note that each time the generation number is incremented, the version starts again with version 1 of the new file.

Version If a file is updated with a newer version by overwriting or appending, the XenData software assigns a new version number. A file's version number increases by one every time it has data written to it. Note that the version number does not increase for every individual write operation, just for every file open that is followed by a write. Version 0 of a file never contains any data; the first time an application writes to the file, the version number is incremented to 1.

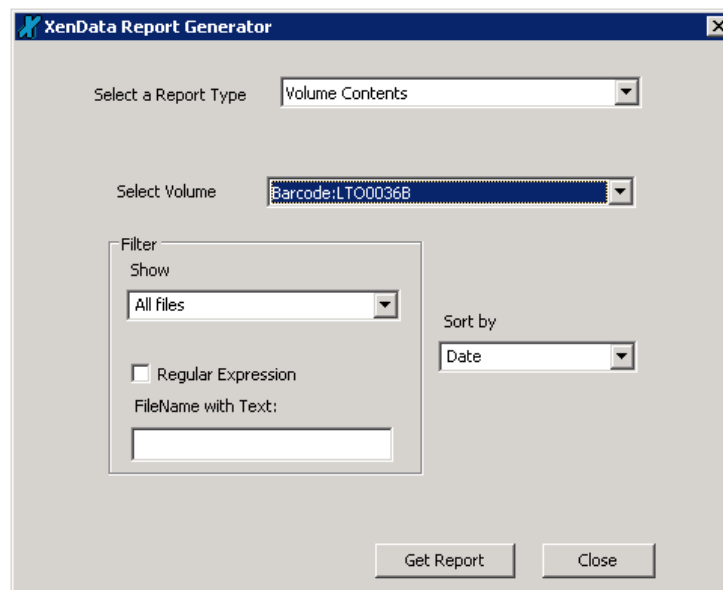
File Size The size of the file is shown in bytes. When a fragmented file spans more than one tape or Volume, this column displays the file size stored on the selected tape or Volume followed by the total size of the file in bytes.

Date Archived This is the date that the file was sent to the archive.

Type The status of the file is displayed as either 'Current', 'Renamed', 'Deleted' or Overwritten.

6.2 Volume Contents

6.2.1 Configuring a Volume Contents Report



The Volume Contents Report lists the contents of the selected Volume. The displayed report can be filtered to show one of the following:

- **All Files** This displays all files on the Volume including deleted files, old versions of files and renamed files.
- **Only Current Files** This displays only the current files. These are files that can be accessed via the archive file system interface and excludes deleted files, old versions of files and renamed files.
- **Only Deleted Files** This displays only deleted files, old versions of files and renamed files.

The displayed report can also be filtered using a Regular Expression if the **Regular Expression** checkbox is ticked. Enter the search expressions in the box below the checkbox. More information about Regular Expressions is provided in the Help File.

If the **Regular Expression** checkbox is not ticked, the displayed report will be filtered to show only files that contain the specified text. Wildcards are supported.

Having selected the Volume and the filtering options, select the **Sort by** option and then click **Get Report**.

Note: A Volume Contents Report is only available for tapes that have a tape catalog file on the archive disk cache. Volumes created with versions of XenData Archive Series software prior to 4.50 do not automatically have tape catalogs. Also tapes imported from another XenData archive will not automatically have a tape catalog on magnetic disk. In these cases, the Build Catalog function should be used to create a tape catalog file on the disk cache.

6.2.2 Understanding a Volume Contents Report

An example of a Volume Contents Report is shown below.

Report Type: Volume Contents
Tape : Barcode:X0013BL4
Showing: All Files
No filters
Sorted by : Date

No	File Name	Generation	Version	File Size (bytes)	Date Archived	Type
1	/archive/Foreign Files/Spanish/Español.xml	0	1	52,893	Mar 04 2008 11:16	Current
2	/archive/Foreign Files/Spanish/¿Realmente versión 3.xml	0	1	52,893	Mar 04 2008 11:16	Current
3	/archive/Foreign Files/Russian/Русский Язык/Книга1.xls	0	1	17,920	May 30 2007 12:05	Current
4	/archive/Foreign Files/Russian/Русский Язык/Книга2.xls	0	1	17,920	May 30 2007 12:06	Current
5	/archive/Foreign Files/long file names/New Wordpad Document_New Wordpad Document_New Wordpad Document106.doc	0	1	4,809	May 29 2008 16:21	Current
6	/archive/Foreign Files/long file names/New Wordpad Document_New Wordpad Document_New Wordpad Document_New Wordpad Document106New Wordpad Document_New Wordpad Document_New Word145.doc	0	1	8,755	May 29 2008 16:20	Current
7	/archive/Foreign Files/German.lproj/Apple Qmaster User Manual.pdf	0	1	640,484	May 16 2008 17:23	Current
8	/archive/Foreign Files/German.lproj/InfoPlist.strings	0	1	328	May 16 2008 17:23	Current
9	/archive/Foreign Files/German.lproj/New Features_Gitter_Emitter.pdf	0	1	56,080	May 16	Current

The display columns are described below.

No. This is the number of the file in the display sorted by either date or file name, as defined by the **Sort by** selection.

File Name This is the file name including full path from the root of the archive logical drive letter.

Generation When a file of a given name and path is first created, it is termed generation 0. Every time the file is deleted and then a new file of the same name containing data is created, the system increments the generation number. Note that each time the generation number is incremented, the version starts again with version 1 of the new file.

Version If a file is updated with a newer version by overwriting or appending, the XenData software assigns a new version number. A file's version number increases by one every time it has data written to it. Note that the version number does not increase for every individual write operation, just for every file open that is followed by a write. Version 0 of a file never contains any data; the first time an application writes to the file, the version number is incremented to 1.

File Size The size of the file is shown in bytes. When a fragmented file spans more than one tape or Volume, this column displays the file size stored on the selected tape or Volume followed by the total size of the file in bytes.

Date Archived This is the date that the file was sent to the archive.

Type The status of the file is displayed as either 'Current', 'Renamed', 'Deleted' or Overwritten.

