

# Release Notes for rootstrust, Version 1.0, Build 395

May 2, 2018

## What's in this build?

This build contains all the fixes found in Builds 394.1 through 394.10 some of which were only distributed to selected users. In addition, it contains enhanced narrative reports and the latest version of Java.

## Enhancements

**1. Narrative Reports.** It is now possible to generate any of the following narrative reports:

- Current Person
- Current Person plus Ancestors
- Current Person plus Descendants

You can specify any number of generations.

When generating a descendant narrative report, some genealogy programs indent the data for each new generation. This limits the number of generations that can practically be displayed to a maximum of five, since the usable horizontal space becomes narrower with each succeeding generation. To prevent this restriction, we avoid indentation. This also allows us to use a slightly larger text font (12 points) which makes the report more legible for older eyes.

**2. File Linkage Integrity Report.** Sometimes external files that we have linked to rootstrust objects get deleted or renamed. This, of course, breaks the linkage and results in an error message being generated when we attempt to use the file within rootstrust. This new report lists any file that is linked to the database but cannot be found via the full, absolute path that was given at the time it was linked. The command for this report has been added to the bottom of the Reports menu.

**3. Relative File Cabinet Paths on Flash Drives.** In the past, when you created a File Cabinet on a rootstrust USB3 flash drive, its absolute path was stored in the database. This proved to be a problem, particularly on Windows systems, since the drive letter is part of the path. The drive letter assigned to the flash drive by Windows is not necessarily the same each time the drive is connected to a USB port. To get around this problem, rootstrust now converts the part of the File Cabinet path that identifies the location of the rootsTrust.data folder with the environment variable \$RtData\$. Thus, if you create the following File Cabinet:

```
F:\rootsTrust.data\FileCabinets\Documents
```

its path will be converted to:

```
$RtData$/FileCabinets/Documents
```

The \$RtData\$ tells rootstrust that it has to determine where the rootsTrust.data folder is located at the time rootstrust is invoked. This ensures that the File Cabinet will be found each

time the flash drive is employed regardless of which operating system is being used or, on Windows, which drive letter has been assigned to the flash drive.

**3. Event notes.** The Notes field on the Events Detail form has been replaced by a tabbed control with two tabs labelled 'Event Notes' and 'Person Notes'.

- **Event Notes.** Notes relative to the Event as opposed to any particular Person.
- **Person Notes.** Notes pertaining to a Person. In a non-spousal shared Event, each participant can have his or her own notes.

**4. Family Historian.** We have added support for the following non-standard custom GEDCOM tags used by Family Historian:

- **\_SHAN.** Used to define a witness (by name only) to an Event.
- **\_FLGS.** Used by Family Historian for user defined 'record flags'. In rootstrust they are assigned to Miscellaneous Markers, of which there are only six.
- **Notes subordinate to \_SHAR.** These notes are stored in the new 'Person Notes' tab of the Event Detail form.
- **LATI and LONG tags subordinate to the custom tag \_PLAC.** For some reason, Family Historian chooses not to use the standard GEDCOM mechanism for defining a place object along with all its details such as latitude and longitude. This enhancement accepts their non-standard definitions.

**5. Larger Icons.** rootstrust now employs higher resolution icons when it detects that it is operating on a high-resolution display. The icons effected are those of the main toolbar, the toolbar of the Event detail form, many, but not all, popup menus and the OK, Cancel, Close and Help buttons found on many dialog boxes and forms.

**6. Relative File Cabinet Paths on Flash Drives.** When you create a new File Cabinet or edit an existing File Cabinet on a rootstrust USB3 Flash Drive, the beginning of the path will be replaced with "\$RtData\$" which is an environment variable that tells rootstrust to use the path of the user's rootsTrust.data folder. Why do we do this? Suppose you create a new Combined-type File Cabinet on your flash drive while executing under Windows. Let's say the path of the File Cabinet is:

K:\rootsTrust.data\File Cabinets\Combined

rootstrust relativizes that absolute path by changing it to:

\$RtData\$/File Cabinets/Combined

If the absolute path had been retained, as was the case in previous versions of rootstrust, the next time you loaded the flash drive on the same Windows system, the flash drive might be assigned drive letter 'J:', and your File Cabinet would not be found. Similarly, if you had loaded your flash drive on a Mac OS or Linux system, the Combined File Cabinet would not be found, since neither Mac OS nor Linux use drive letters in their file paths. Using the '\$RtData\$' environment variable ensures that your File Cabinet will be found when you run rootstrust from your flash drive on any Windows, Mac OS or Linux system.

7. **Reference Form.** The 'Location in Source' field of the Reference form has been expanded to accommodate longer expressions. Space had to be taken from the 'Actual Text' to make this change possible.

## Java

This version of rootstrust contains the latest version of Java: Version 8, Update 172 (8u172).

**Bug Fixes.** The following items identify error conditions that have been corrected.

1. **Video Glitches on Low-Resolution Displays.** If your video display has a vertical resolution less than 868 pixels, you undoubtedly experienced problems with Build 394. Most of these problems, if not all, have been corrected.
2. **"0 HEAD".** An intermittent error was occurring when attempting to import a UTF-8 GEDCOM file resulting in a dialog box being displayed which contained the cryptic message "0 HEAD". This error has been corrected.
3. **Select Repository.** Any attempt to select a Repository resulted in a 'Null Pointer Exception'. That will no longer happen.
4. **Array out of bounds.** This error occurred if you tried to display more multimedia or document items than would fit in the viewable portion of the table housing these items. Thus, if a Documents table had four rows, the error would occur when rootstrust attempted to display the fifth Document description. This error has been corrected.
5. **Too many File Cabinets.** If a user attempted to import a GEDCOM file that was created on Mac OS or Linux and the file referenced linked media files, a separate File Cabinet was created for each file.
6. **Place Panel.** Under certain conditions, a NullPointerException was occurring on the Place panel after the user had edited the region-dependent header labels via the Maintenance menu. Since we have been unable to reproduce this problem, we are not sure that everything has been corrected, however the NullPointerException should no longer occur in this context.
7. **Missing dialog boxes.** The following problems were caused by the fact that a requires response to was not received, since the necessary dialog box failed to display.
  - a. **Cannot delete documents or multimedia files.** The confirmation dialog box was not being displayed for some operations like a deleting a document or multimedia file. As a result, the deletion was not carried out.
  - b. **Drag-and-drop problem.** If you attempted to drop a file on an object and the file already existed in the File Cabinet, the attempted operation would be ignored. If the file was not

linked to any object, you would not be able to link it until you deleted it first from the File Cabinet.

8. **Extended Keyboard not working.** It was not possible to insert a character into any text box on the Event panel of the Person View using the Extended Keyboard form.
9. **rootstrust crashes.** Occasional program crash when attempting to display a list of children. rootstrust was trying to retrieve the date of death for a Person for whom no date of death exists in the database.
10. **Partially visible buttons.** The buttons of the dialog boxes used for selecting a Person to be moved and an Event to be moved were half obscured.
11. **NullPointerException while importing a GEDCOM file.** We recently made an enhancement to GEDCOM import regarding the recognition of 'Primary images' (photos) that will be used as cameo photos. Unfortunately, the implementation had a bug that occurs when an image description in the GEDCOM file does not specify whether or not the image is primary.
12. **ArrayIndexOutOfBoundsException while importing a GEDCOM file.** It recently came to our attention that if you attempted to use the GEDCOM Import Wizard feature called "Disposition of Description Field", a ArrayIndexOutOfBoundsException error would occur.
13. **Scaling glitches.** Several cosmetic problems associated with scaling rootstrust up or down from the default window size have been corrected.
14. **Out of Sorts.** Entries in the Person Index of the (right side of Person View) are sorted by name: last name, first name, middle names, suffix. Up until now, any title (Rev., Capt., etc.) would be prepended to the first name effecting the sort order: "Smith, Rev. Mordechai" appearing after "Smith, Samuel" rather than after "Smith, Miriam". The sort now ignores titles. The navigation field located below the Person Index also ignores titles such that when you type "smith, m" it will jump to "Smith, Rev. Mordechai".
15. **java.sql.SQLException: ResultSet closed.** For some unknown reason, one user repeatedly experienced this error while attempting to display the Ancestor View. We hope that a recent coding change will alleviate this problem.