

HRE – PROJECT AUXILIARY FILE OVERVIEW

Revision history

2019-05-13	Don Ferguson	Initial draft
2019-11-21	Don Ferguson	Corrected XML format
2020-01-19	Don Ferguson	Aligned with current implementation

SCOPE

Project Auxiliary (AUX) files in HRE are used to provide access to a limited set of data about a Project, without the need to open project databases to obtain that information.

A Project Auxiliary file is created when the HRE application creates a new Project.

Refer to *03.32 Overview – Auxiliary (Non Database) Files* for details.

PROJECT AUXILIARY (NON-DATABASE) FILE

The file holds specific information, divided into 2 groups. At a high-level these are as follows (see a later section of this document for details):

Project AUX File
Project related information, such as: <ul style="list-style-type: none">• Project name, location• Folder path for associated external data e.g., for image files, etc• other data as may be required.
User related information (per User) <ul style="list-style-type: none">• Username, email address, language, last access• “• other data as may be required.

NB: previous drafts of this document have suggested that various data such as OS Version, web address, OS language properties be stored here as well. As this information is available through OS APIs, this is a redundant requirement.

CREATION OF AUX FILES AND DATA ENTRY

At the time of **first use** of HRE, the User Auxiliary file is created - see *03.32 Overview – Auxiliary (Non Database) Files* and *03.32.01 Overview – User Auxiliary Files* for details.

Use of the Project routine for Project New creates the Project Auxiliary file and use of the Project routines Close, Restore and Admin add and/or update data in the User Auxiliary file and the Project Auxiliary file.

USE OF PROJECT AUX FILE DATA

All access to the Project AUX file is provided through the HB0745ProjectAUX module. Many of the HRE routines make use of data from the Project Auxiliary file - for these and other purposes, data ‘collected’ from reading the ProjectAUX file may be stored in variables in the HGlobal routine for reference. Any change to these variables requires immediate update of the Project AUX file through use of HB0745ProjectAUX.

PROJECT AUX FILE RECORD FORMAT

ProjectAUX files will be saved in XML format. The following defines the XML structure and the fields defined. Further data may be recorded as HRE is built, without this specification necessarily being updated each time.

In the following, items in (*italicised*) are comments on the initial content, NOT actual entries.

```
<?xml version = "1.0" encoding="UTF-8" standalone="no"?>
<projectauxfile>
  <projects>
    <project>
      <project name="Sample">
        <filename>HRE Sample database</filename>
        <foldername>~/HRE/</foldername>
        <servername> (user's or server's computername) </servername>
        <lastclosed>2020-01-01 / 12:00:00</lastclosed>
        <dbtype>H2</dbtype>
        <externals>path to external data</externals>
        <users>
          <user name="username">
            <email> (email address) </email>
            <language> (default language) </language>
            <lastaccess> (date of last use) </lastaccess>
          </user>
        </users>
      </project>
      (Note that further Project entries are possible if the database file contains more than one
project)
    </projects>
  </projectauxfile>
```