

HRE – BACKUPS - OVERVIEW

Revision history

2019-03-06	Rod Thompson	Original draft
2019-03-06	Don Ferguson	Minor edits and clarifications throughout
2019-03-06	Rod Thompson	FILENAME Convention - amend
2021-03-12	Don Ferguson	Alignment with implementation (Build 25)

SCOPE

Creating backup files in computer systems is intended to provide additional security of data, and to provide a simple method to recover from data loss.

HRE BACKUPS

Specifications currently make provision for backups as follows:

- A backup of a 'Project' database can be initiated by a User from the Project Menu. This function is also offered as an option when use of a project is ending, and the Project Close menu option is selected
- A backup of External HRE-related file folder(s) (such as image files) may be initiated from the Backup function of HRE
- The User Auxiliary (AUX) file is not backed up at this stage. The User may initiate a backup process on this file by any means preferred. Loss of this file is not catastrophic as HRE will create one if it does not exist, although the User's settings will then need re-creation.

See also the documentation in *03.32 Overview - Auxiliary (Non-Database) Files*.

BACKUP LOCATION

Backup files are located as follows:

1. Project backup - as defined by the initiator of the backup function
2. External file backup - as defined by the initiator of the backup function
3. User AUX file – as defined by the User.

FILE FORMAT

'zip' technology is used to create the backup file(s).

FILENAME CONVENTION

For convenience in identification, the backup file will adopt the base name element of the file which it is backing up, plus an extension (unique to HRE) for convenience in searching.

In addition, the base name will be appended with the attachment of the date and time of the backup (in the form of YYYY-MM-DD_HH-MM-SS).

Base name examples:

Project Name	Drummond-UK
Filename	Drummond
Backup filename	Drummond 2019-03-06_11-15-49.hrez

Extensions:

Project database	*.hrez	
External file backups	*.zip	
Client Auxiliary file	*.hrec	(C for Client)
Server Auxiliary file	*.hres	(S for Server)

The latter two files are yet to be defined in a specification.

RESTORATION

The Restore function in the HRE Project menu initiates a process to restore a 'Project' from the any selected HRE backup file.

The Restore process will NOT allow restoration of a Project to the original file name in the original location, to avoid overwriting the original file.

The Restore function also allows for selection of External file backups to be restored to any user-selected location.