

## BR\_ProjectAUX – Project AUX file Services

### Revision history

2019-02-21	Rod Thompson	Original draft
2019-03-05	Rod Thompson	SCOPE – Add Backup Add Use Case 3

### SCOPE

This provides services associated with the Project Auxiliary file.

Some examples are:

- Recording information about a newly created project
- Updating information about use of the projects
- Accessing information about the project to facilitate use of the project.

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

### Issues:

- 1) How is the data in the Project AUX file to be kept up-to-date?  
Dependent on what data is recorded there – yet to be finalised.

### Backup

A backup copy of the Project AUX file is created and saved at the same time as the Project Backup is performed.

The system proposed will use 'zip' file functionality, adopting the project filename for the first section of backup filename. The file extension will then be amended to '.HRED' to allow such files to be easily identified through a file browser.

Restoring from the backup will require 'unzipping' the backup file to a selected location.

### ACTIONS

On request, with the context provided, perform the following:

1. Create the Project AUX file at the time a new Project database is created (either through use of the Project new or Project CopyAs modules)
2. Add detail of Users of the project
3. Update the Project AUX file when a project is closed
4. Provide access to the record of a known project, to enable it to be used
5. Delete the Project AUX file in alignment with a Project Delete module operation
6. Backup the Project AUX file in alignment with the Project Backup module operation.

### ASSUMPTIONS

As this functionality of HRE evolves, this area of the specification may be used to record information about functionality, for use at a later time to extend detail contained herein.

1. Each Project record contains:
  - a. Records of associated data folders (external, e.g., for image files, etc.)
  - b. User information (for each user), including:
    - i. Username
    - ii. Email address
    - iii. Language
    - iv. Last access (of the Project).

2. Records of User access are kept in the order in which they created or amended.

## USED BY

1. Needs details

## DATA UNDER CONTROL OF THIS MODULE

1. Project Auxiliary file.

## REQUIRED EXTERNAL DATA UNDER CONTROL OF ANOTHER MODULE

1. Needs details

## REQUIRED SERVICES

1. Needs details

## APPLICATION PROGRAMMING INTERFACE (API)

1. Needs details

## WARNING CONDITIONS

1. Need details of the condition that raised the warning, example message and possible next steps.

## ERROR CONDITIONS

1. Need to record the condition that raised the error, example message and possible next steps.

## USE CASES

- 1) Project Summary display
- 2) ProjectAUX file update
- 3) ProjectAUX file backup.

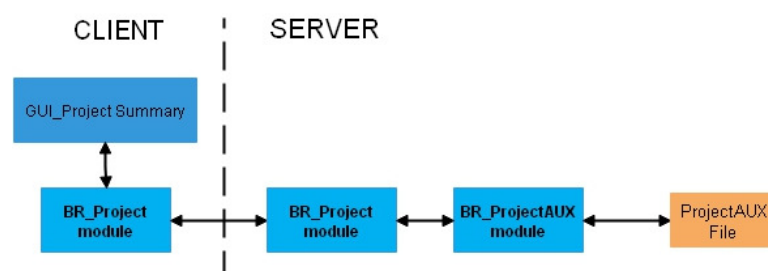
### Use Case 1

#### Project Summary display

Many project module windows include a 'Project Summary' button, use of which invokes the 04.14 GUI\_ProjectSummary module, to provide a display of a summary of the properties for the project of interest.

To avoid the necessity to open the project to obtain this information, a select set of data about the project is recorded in the Project AUX file, which is used as a substitute for this purpose.

#### Block Schematic



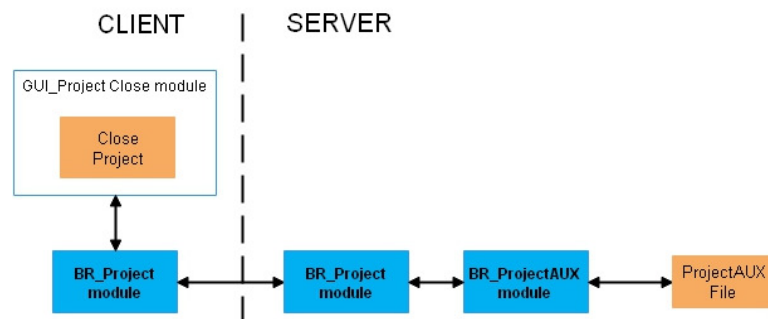
### Use Case 2

## ProjectAUX file update

The ProjectAUX file maintains a current record of User activity in use of the Project.

When the project is 'closed' by each user, that User's last access record in the ProjectAUX file is updated with the time of close of, or disconnection from the project.

### Block Schematic



## Use Case 3

### ProjectAUX file backup

At the completion of a Project Backup, a backup of the ProjectAUX file is carried out.

This makes use of a 'zip' file routine, on the relevant ProjectAUX file, taking the project filename for the first section of backup filename. The file extension will then be amended to '.HRED'.

A reverse process can be used to restore from the backup file. Arrangements for this functionality are yet to be determined.

### Block Schematic

