

BR_UserAUX - User AUX file Services

Revision history

2019-02-07	Rod Thompson	Original draft
2019-02-19	Rod Thompson	SCOPE – Add Issue
2019-02-21	Rod Thompson	Replace ClientAUX with UserAUX Add USE CASE
2019-03-05	Rod Thompson	SCOPE – Add Backup Add Use Case 3

SCOPE

This provides services associated with the User Auxiliary file.

Some examples are:

- Recording information about newly created Projects and/or newly opened Projects, by the User of the HRE Client application. These are referred to as 'known' projects
- Accessing information about 'known projects' 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 UserAUX file to be kept up-to-date?
Dependent on what data is recorded there – yet to be finalised.

Backup

A backup copy of the User AUX file is created and saved. Timing of this action is to be determined.

The system proposed will use 'zip' file functionality, adopting the UserAUX filename for the first section of backup filename. The file extension will then be amended to '.HREU' 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, within a context provided, perform the following:

1. Create and save a record of a new Project
2. Create and save a record of a first time use of an existing Project (to which the User has access)
3. Provide access to the record of a known project, to enable it to be used
4. Amend project name detail if the Project name is amended
5. Amend project location detail if changed.

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. A date/time stamp
 - b. Database filename
 - c. Project name
 - d. location
2. Records of projects are kept in the order in which they created or amended

3. Records of projects are retrieved in the order in which they were created.

USED BY

1. Needs details

DATA UNDER CONTROL OF THIS MODULE

1. Contents of the UserAUX 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

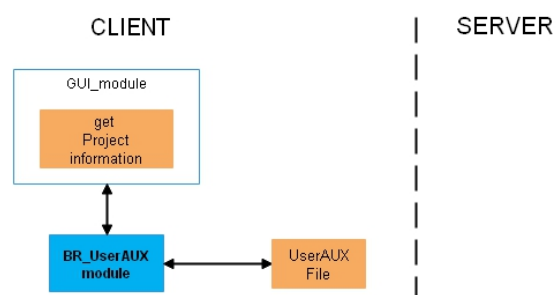
- 1) Project display
- 2) UserAUX file update
- 3) User AUX file backup.

Use Case 1

Project display

Many project module windows include a table listing projects available to the User.
In general, the software of the module retrieves the information required from the UserAUX file to populate the table in the display.

Block Schematic



Use Case 2

Use Case 3

UserAUX file backup

As required, a backup of the UserAUX file is carried out.

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

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

Block Diagram

