

## GUI\_ProjectBackup – Backup a Project

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### SCOPE

This GUI module is called from the Main Menu (GUI\_Interface) or from GUI\_ProjectClose, to backup a current project.

Note: it is assumed that a backup can't be performed while others are active on that same project database. It is also assumed that it is not legal to only backup part of a Project database. However some external files (like images) can be optionally included in a backup, also the App settings for this client device.

### LOOK AND FEEL

The screen has 5 horizontal parts:

- A 'from' scrollable display area which shows all of the user's currently open projects, by name and which allows the selection of a file from the displayed list (this may be empty if no projects are open)
- A 'to' scrollable display area which allows the selection of a folder and filename for the backup fileset
- The buttons "Browse" (for each display area), "Backup" and "Cancel"
  - The "Browse" buttons allow the user to search the file system for a valid HRE project to backup, which may be added to the 'from' display area. Also for the 'to' area the ability to browse the file-system for a location to save the backup fileset
  - "Backup" performs the project backup functions on the selected project
  - "Cancel" exits without action
  - "Configure" allows the user to select, set and save a configuration for this screen
- Check boxes
  - "Include external referenced files"
  - "Include App Settings for this client device"
- A display area of the status of the backup.

[Needs a mockup diagram here]

### ACTIONS

The fundamental operations are:

1. Open the screen according to its saved screen Layout (BR\_PanelConfig)
2. Allow selection of a project to be backed up
3. Select whether referenced external files are to be backed up
4. Select whether to include App Settings for this Device
5. Allow selection of a location to save the backup
6. Wait until all outstanding transactions from this client are completed
7. Check the number of current users of this project
8. If greater than one user, then queue a backup task for this project within the server
9. Prevent any further logins to the database until the backup is completed
10. This backup setup task is to be notified to all concurrent users
11. The server to perform that backup as soon as possible when all users have disconnected
12. The backup completion is to be notified to all users registered to receive that notification.
13. Perform the backup
14. On completion of backup, close the screen and return.

### USED BY

All HRE users.

**DATA CONTROLLED BY THIS MODULE**

1. None.

**REQUIRED DATA CONTROLLED BY OTHER MODULES**

1. None.

**REQUIRED SERVICES**

1. BR\_PanelConfig
2. BR\_Project.

**APPLICATION PROGRAMMING INTERFACE (API)**

1. Need Details.

**EVENT ACTIONS**

1. Need 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.