

## GUI\_ProjectOpen – Open a Project

### Revision history

2017-06-21	Robin Lamacraft	Original draft
2018-05-27	Rod Thompson	Inserted diagrams, actions
2018-06-08	Rod Thompson	Replace graphic and Window Interaction Map Replace 'screen' with 'window' Replace 'BR_PanelConfig' with 'BR_WindowConfig' Replace 'BR_Notification' with 'BR_Message Patterns'
2018-06-09	Don Ferguson	Updated Required Services (Dependencies), added issue list to Scope
2018-06-14	Rod Thompson	Edit Add WARNING CONDITION Add PROCESS FLOW CAHRT
2018-06-16	Don Ferguson	Removed ProjectRecent as a dependency, as this module performs those functions anyway
2018-06-17	Don Ferguson	Added to Scope Issues 2 & 4 and Actions item 4

### SCOPE

This GUI module is called from the Main Menu (GUI\_UserInterface), or from GUI\_ProjectNew to open an existing HRE project for use.

At this time it is assumed that the project fileset consists of:

- an XML or JSON type file
- an H2 database.
- External files (for images etc).

The following issues need to be considered in construction of this module:

1. when the screen opens, the user should see a list of all projects known to this client, regardless of location or frequency of use
2. the user can select it and either Login/Open OR display a summary of that project OR cancel (meaning buttons for Login, Open, Cancel, Summary). Summary would invoke 04.14 GUI\_ProjectSummary as this is a previously accessed project. For remote projects, to avoid having to login to the project, basic project data is stored in a server-side XML file, so this information could be provided to the user without opening the project itself.  
Project Summary Data might include any or all of the following, but the requirement is that this provides the user sufficient information to choose the correct project. Much of the following data listed is 'nice to have' rather than 'essential':

- Date Edited
- Edited by
- Owner
- Last Backup
- Folder
- Person count
- Location count
- Events count
- Sources count
- Images count
- Database size

- Other concurrent users.
3. user may then browse or use explicit IP, a path or both, for the case of a project existing that the user has NEVER accessed before from this client (but is not a new project)
    - 3.1. If the project is remote and shared, then it is assumed that an administrator will have provided the parameters for the user to specify, such as login, server ID, project name. In other words, a user cannot browse a remote server looking for projects
    - 3.2. If the project is local (including mapped NAS), then browsing is allowable, so finding and selecting a valid H2 file allows the service routine to supply both the resultant path AND the Project Name.
  4. Note that first time opening of a previously created project *by someone else* implies that this user does not have 'last status data' from a previous use, so default settings apply
  5. For Reminder (R) and Help (?) - this menu item/routine assumes the prior existence of a project not yet accessed by *this client* and is *not* the same as a New Project where a project needs to be created.

## LOOK AND FEEL

The window has several parts:

- A top panel with the window name, and window size control icons
- The upper right icon buttons provide the following universal features:
  - The 'Output' icon enables Output of the Recent Projects list by sending the contents of the Recent Projects tabular display to a file or to a printer.
  - The 'Reminder' icon displays the Reminder content for this window
  - The 'Configuration' icon enables the user to create and retrieve recent or favorite Configurations of this window's layout
  - The Help icon displays context Help about the use of this window
- The "Server" selection list allows selection from various servers known to this installation of HRE. On selection of a Server, the "Login" button allows the user to access that server (if the user is already logged into that server the "Login" button will be hidden). NOTE: If this is an isolated usage of HRE where project files are only used from the same computer then the server aspects of this GUI will not show any server-related elements. There can be a one user environment. If a second computer is used to access those project files over a local network then the login on either computer must invoke the shared server mode
- A 'Recent Projects' scrollable tabular display area which shows all of the user's recently used projects from the selected server. A project may be selected from the displayed list (this may be empty if no projects have been opened, or show a default 'seed' database for initial use)
- The buttons:
  - "Summary" opens a ProjectSummary window, displaying a summary of the project
  - "Open" performs the project open functions on the selected project
  - "Cancel" exits without action.

Project Open

Server: *This computer* Login *If not logged in*

**Recent Projects**

Server Name	Project Name	Last Edited
<i>Local</i>	<i>Drummond-UK</i>	<i>2017-06-19</i>
<i>Local</i>	<i>Drummond-US</i>	<i>2012-04-08</i>
<i>NLA-Ext4</i>	<i>Mitchell</i>	<i>2003-10-10</i>

☒ Use server default project folder  
☐ Browse for project folder

*D:/History/Drummond*

Project Name

*Drummonds-UK*

Summary

Cancel Open

PROJECT OPEN Window - Mockup

## ACTIONS

The fundamental operations are:

1. Open the window according to its saved window Layout (BR\_WindowConfig)
2. HRE has 3 possible installation variants:
  - Isolated mode -where HRE acts as an application entirely within one computer
  - Mixed mode- where HRE has both some project files stored locally and some are stored remotely on a local network server or in some external internet service
  - Remote mode – where no user data is stored on the local computer and all data must be transferred by a wide area network.
3. Accordingly, the GUI\_ProjectOpen module has to adapt to each of these modes. Isolated mode requires no login capability, but the other 2 modes require this interface to adapt itself according to the type of request. To achieve this the GUI\_ServerLogin module and the BR\_ServerServices module have to provide access and the business rules to control these aspects
4. Displays a list of projects available to this client user (as controlled by access rights). Projects not available could possibly be greyed out, but listed
5. Allow the user to select one project to open
6. The Project Summary button allows the user to view in a new window, summary information about the selected Project
7. If a Remote project:
  - Check the status of a remote project to identify whether it is currently unavailable because of backups in progress or other system actions
  - Check status of the selected project to see whether it is already open by other users

- If already in use, notify all concurrent users of this user joining for update activity. This is to be done using the BR\_Message Patterns and GUI\_Message Patterns modules.
- Open the selected project data files
  - Populate the user's HRE instance with default settings, then overlay these with the user's personal settings from this user's last status data from their last use of this project.

## USED BY

All HRE users.

## DATA CONTROLLED BY THIS MODULE

- None.

## REQUIRED DATA CONTROLLED BY OTHER MODULES

- None.

## REQUIRED SERVICES – Dependencies

First-Order Dependencies	Second-Order Dependencies (if not already listed)	Higher-Order Dependencies (if not already listed)
04.14 GUI_ProjectSummary	--	
05.75 GUI_Server Login	05.32 GUI_SelectConfiguration 07.24 BR_Setting	
03.66 GUI_MessagePatterns	Already included in 1 <sup>st</sup> order	
07.17 BR_WindowConfig	07.06 BR_GuiElement 07.29 BR_Translation 08.01 BCS_Bridge	10.02 SS_DirectRequest 11.01 DBA_DatabaseValidateRequest 11.02 DBA_DatabaseMapRequest 11.03 DBA_DatabaseTransaction 12.01 DBE_PerformDatabaseRequest
07.04 BR_Files -- Also <ul style="list-style-type: none"> <li>• local file system interface modules</li> <li>• remote server connection modules</li> <li>• remote or external file system modules</li> </ul>	05.20 GUI_Logging 07.25 BR_Schema	07.02 BR_EntityLink 07.26 BR_Substitution 07.01 BR_EncodedString
07.43 BR_ServerServices		
07.16 BR_MessagePatterns	Already listed	
07.21 BR_Project	Already listed	

## APPLICATION PROGRAMMING INTERFACE (API)

- Single call, with parameters:
  - Has local projects (Boolean)
  - Has remote projects (Boolean)
  - Recent server ID (HRE\_serverID)
  - Recent projects list object (HRE\_recent project ID)
  - Default project storage location(HRE\_project storage path ID).

## EVENT ACTIONS

- Keyboard actions  
NIL
- Mouse actions  
Left key
  - Mouse key click on Server name pulldown expands Server list, and allows selection

- b. Mouse key click on a Project Name, causes the pathname and project name to be shown in the text boxes
- c. Mouse key click on the 'un-checked' radio button, selects that button, and 'de-selects' the other
- d. Mouse key click on each button, operates the button
- e. Mouse key click on icons (detailed below)

#### Right key

To be determined

#### 3) Icon actions

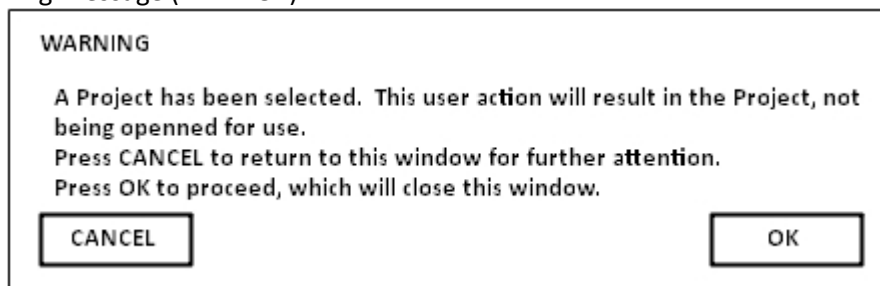
- a. left mouse key click on icons in the Window Control group:
  - a. 'X' icon  
(closes the window)
  - b. 'Box' icon  
Toggles the window size between full window, and the preset window size
  - c. 'Dash' icon  
Minimizes the window, to an icon on the window toolbar.  
A click on the toolbar icon restores the display to its previous setting
- b. Left mouse key click on the 'Output' icon:  
(opens the 'Output' window for output to File or Printer)
- c. left mouse key click on 'Reminder' icon:  
(opens 'Reminder' window for this 'Send to Colleague' Message display)
- d. left mouse key click on the 'Configuration' icon  
(opens the Configuration Window for this Project Open window)
- e. left mouse click on 'Help ' icon:  
(opens the Help System, searches for the section on 'Send to Colleague Message')

#### 4) Keyboard shortcuts

To be determines

### WARNING CONDITIONS

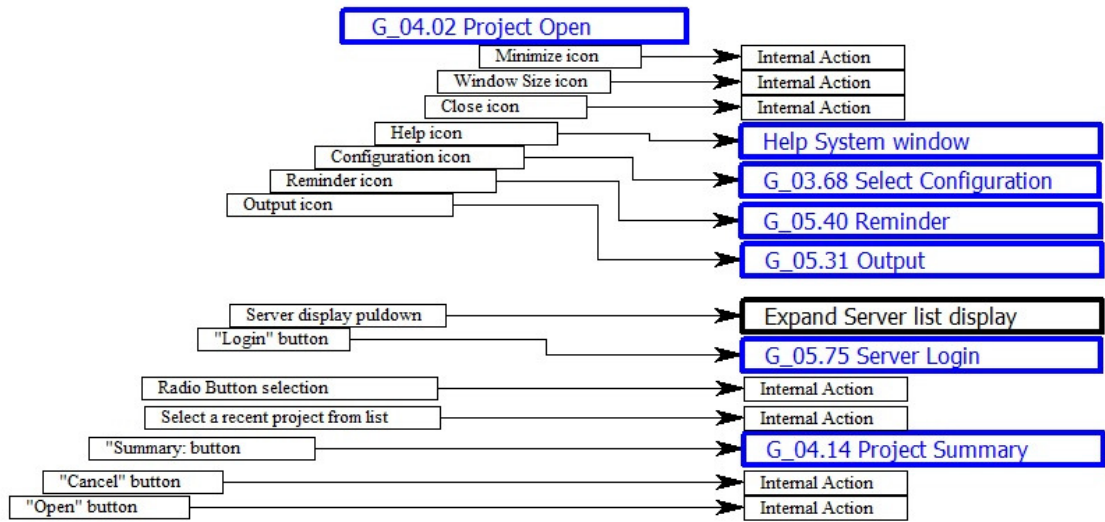
1. When the 'Cancel' button is used, a reminder warning message is displayed.  
Warning Message (WM-PO1)



### ERROR CONDITIONS

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

### WINDOW INTERACTION MAP



PROCESS FLOW CHART

