

GUI_Logging – Logging, Errors, Warnings, Messages

Revision history

2017-02-21	Robin Lamacraft	Original draft
2018-04-05	John Lucas	Miscellaneous corrections and comments for improvement
2018-04-07	Robin Lamacraft	Expanded Scope section and further described screen makeup
2018-06-03	Don Ferguson	Added Log screen mockup from Rod Thompson; other minor edits
2018-06-10	Rod Thompson	Replace GUI_PanelConfigEdit with GUI_Select Configuration Replace 'screen' and 'frame' with 'window' Replace BR_PanelConfig with BR_WindowConfig

SCOPE

This GUI module displays in a window a scrollable text view of an HRE log file. HRE can create a number of log files from different operations, such as importing, global utility operations, messaging, database changes, warnings, errors, etc. These logs can be displayed in chronological order or most recent at the top. This is used automatically in association with warning and error display windows. All logs can be viewed from the Tools menu entries. Some of these logs are external text files, while others are encoded string files which are transformed into human readable form for their display in this window. Other logging tools can report on changes to database records in a user's session, etc.

The database table **129 Commit_Logs** has one record for each logged event that owns a collection of item records as described by table **130 Commit_Items**. Table 130 has 2 time stamps, one for the initiation of the commit and the second for the completion of the commit action. The user can mark the log record with a series of pairs of "Begin" and "End" markers. This is equivalent to highlighting separate blocks so that only those blocks are output, i.e. all logged events within the "Begin" and "End" marks. This allows selection of the parts of the log that are relevant to the current task and to omit the intermediate content.

Alternatively, the standard Windows method of selecting groups of items may be used, namely Left Click to mark the start of a group and Shift+Left Click to mark the end of the group.

LOOK AND FEEL

The resizable Logging window has 4 components:

1. The type of the log and the date/times of the first and last entry
2. A collection of command buttons to help the review of the log:
 - "Configure" to select the settings for the display
 - "Begin" and "End" to define the content to be "Output"
 - "Output" to print or output a section of the log as a text file
 - "Mark" to search for a string and highlight it
 - "Clear" to remove marks.
3. A scrollable text pane for the log entries.

LoggingX

Select a log file for Output

Log Filename

Configure

Begin

End

Mark

Clear

Output

☐ Printer
☐ File

Filename

Cancel

CLOSE

USED BY

Almost any module.

METHODS

The fundamental operations are:

1. Open the Logging window according to its saved Frame Layout (BR_WindowConfig)
2. Populate the display with text and buttons
3. Act on the command buttons.

AUXILIARY DATA USED

Access required to the log data held in the HRE database.

REQUIRED SERVICES

1. GUI_Select Configuration
2. BR_Setting
3. BR_WindowConfig
4. BR_Logging
5. BR_EncodedString
6. BR_EntityLink.