

BR_FILES – File Services

Revision history

2017-07-04	Robin Lamacraft	Original draft
2018-04-16	John Lucas	Correction in file actions

SCOPE

This module must be used to locate or create file folders in the Server or Client file system. Also to save content as a named file, or to open, copy, rename an existing file. This includes copying files between the Client and Server file systems. It is expected that will use external (non-HRE) modules to interact with the file systems and to use the GUI provided for these actions within the external modules.

ACTIONS THAT USE THE FILE SERVICES (incomplete list)

- Locate where an output file is to be stored
- Locate from where an input file is to be opened
- Retrieve properties of a file.

ACTIONS

The fundamental operations are:

1. Establish a connection with a local or remote or external file system
2. Close the current connection to a remote or external file system
3. Query the status of the connection to a remoter or external file system
4. Return the existence of a file or folder
5. Return access properties for a file or folder
6. Read a nominated file into HRE
7. Create a nominated folder
8. Delete a nominated folder
9. Rename a nominated folder
10. Create a nominated file
11. Delete a nominated file
12. Rename a nominated file
13. Open a nominated file for writing
14. Open a nominated file for appending
15. Write content from HRE to a nominated opened file
16. Close the nominated file
17. Set a nominated file for exclusive access
18. Remove exclusive access of a nominated file.

USED BY

Any operation involving files other than the HRE database.

DATA UNDER CONTROL OF THIS MODULE

None. See other module settings below.

REQUIRED EXTERNAL DATA UNDER CONTROL OF ANOTHER MODULE

In the Client settings:

1. List of settings for default client folders by usage
2. Setting for last used client folder.

In the Server settings

1. Setting for last used server
2. List of settings for default server folders by usage
3. Setting for last used server folder.

REQUIRED SERVICES

1. Local file system interface modules
2. Remote server connection modules
3. Remote or external file system modules
4. BR_Notifications
5. BR_Project
6. BR_Setting
7. BR_Logging
8. BR_Schema
9. BCS_Bridge

APPLICATION PROGRAMMING INTERFACE (API)

1. Provide a distinct API for each of the actions in the ACTIONS list

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.