

BR_FILES – File Services

Revision history

2017-07-04	Robin Lamacraft	Original draft
2018-04-16	John Lucas	Correction in file actions
2019-03-05	Don Ferguson	Rewritten based on actions performed in 05.77 GUI_FileChooser

SCOPE

This module must be used to manipulate files and/or folders in the Server or User file systems. This includes copying files between the User and Server file systems. It is expected it will use external (non-HRE) modules to interact with the file systems.

ACTIONS

The fundamental operations are:

1. Query the status of the connection to a remoter or external file system
2. Return access properties for a file or folder
3. Read a nominated file into HRE
4. Create a nominated folder
5. Delete a nominated folder
6. Rename a nominated folder
7. Create a nominated file
8. Delete a nominated file
9. Rename a nominated file
10. Open a nominated file for writing
11. Open a nominated file for appending
12. Write content from HRE to a nominated opened file
13. Close the nominated file
14. Set a nominated file for exclusive access
15. 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 User settings:

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

In the Server settings

1. List of settings for default server folders by usage
2. 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. Server login processes
5. BR_Notifications

6. BR_Project
7. BR_Setting
8. BR_Logging
9. BR_Schema
10. 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.