

Name:

1100\_run\_config

Purpose:

Run saved configuration, can be run as thread which means that the main program pointer will continue with next functions and run configuration will run in background.

If not thread main program pointer will finish run configuration and continue when ended.

Thread can be used by using checkbox "Run in new thread"

Data:

Use <v"Variable"v> to access variables values from all text input fields where text is mandatory or optional. Use <s"expression"m> to calculate simple functions.

Example combined <s<v"Variable"v>+1m> Function will return value in Variable called Variable +1 to function. If variable contains 100 result would be 101. If pressed <v an option of variables will be presented chose variable and press enter.

Data can be inserted to run configuration by entering in "To config" in config data can be retrieved by "Return input argument" in Variable category.

"Set output argument" in Variable category will return data from run configuration.

Only works from non-threaded runs. If config run is threaded it is possible to write and read from thread common memory in Variable category instead.

Threaded runs can be started paused and stopped amongs others in System category.

Usage:

In advanced tab for all functions there is a checkbox called breakpoint if set the execution will halt if debug is checked, debug is only supported for main program execution (i.e., not configs that is run in threads)

Exceptions:

In advanced tab for all functions there is an option to handle faults. A typical fault could be that function expects a number and get a text. There are multiple ways for program to react if a fault occurs ignore will continue as nothing happened (variable return data may likely be faulty), halt will stop all program execution. Ignore and goto will goto a specified part of the current config.

Standard is halt and report, report mean fault will be written to the error log.

Limitations:



A maximum of 50 simultaneous threads can be run at once higher than that will cause an exception.

If CPU and/or memory is limited running even less may cause system instability issues.

Example: