GENIE Runtime (GWRUN) Help Index

Commands
> File menu
> Setup Menu
> Run Menu
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> Pause Menu
> Lock Menu
> View menu
> Window menu
> Help menu

Procedures
> Runtime

This Help system includes topics that you can call directly from the GWRUN Program. To get context-sensitive help, press the Help button in the window of your choice.

The Index contains a list of all Help topics available for the Advantech GWRUN Program. For information on how to use Help,   choose Using Help from the Help menu.

File menu commands

The File menu includes commands that enable you to open, close,   and printer setup..

The File menu offers the following commands:

<u>Open</u>	Opens an existing strategy.
<u>Close</u>	Closes an opened strategy.
<u>FAI Conversion</u>	Converts FAI binary files to ASCII files.
<u>HIST Conversion</u>	Converts HISTORICAL TRENDING binary files to ASCII files.
<u>Print Setup</u>	Selects a printer and printer connection.
<u>Exit</u>	Exits GWRUN.

Setup Menu

The Setup menu includes commands that enable you to install, add, or remove an I/O device, and also to assign the Strategy to a particular Task. Commands are as follows:

Change-Password
Administration

View menu commands

The View menu includes commands that enable you to zoom to fit the screen, changing the view of selected items in the GENIE Strategy. The View Menu also enables the toolbar, toolbox, and status bar   to be displayed when in a Strategy Editor Window, show the labels under each icon block, or to show the grid when in a Display Window (Show Grid). Commands are:

The View menu offers the following commands:

Toolbar   Shows or hides the toolbar.
Status Bar   Shows or hides the status bar.
Event Log   Shows or hides the event dialog window.

Window menu commands

The Window menu offers the following commands, which enable you to arrange multiple views of multiple strategys in the application window:

New Window   Creates a new window that views the same strategy.
Cascade   Arranges windows in an overlapped fashion.
Tile   Arranges windows in non-overlapped tiles.
Arrange Icons Arranges icons of closed windows.
Window 1, 2, ... Goes to specified window.

Help menu commands

The Help menu offers the following commands, which provide you assistance with this application:

Index   Offers you an index to topics on which you can get
                         help.
Using Help   Provides general instructions on using help.
About   Displays the version number of this application.

Open command (File menu)

Use this command to Open an existing strategy. Normally, existing strategies will be stored in the **GENIE\STRATEGY** directory.

Use this command to open an existing strategy in a new window.

Shortcuts

Toolbar:
Keys: CTRL+O

File Open dialog box

The following options allow you to specify which file to open:

File Name

Type or select the filename you want to open.   This box lists files with the extension you select in the List Files of Type box.

List Files of Type

Select the type of file you want to open:

Drives

Select the drive in which GENIE stores the file that you want to open.

Directories

Select the directory in which GENIE stores the file that you want to open.

Network...

Choose this button to connect to a network location, assigning it a new drive letter.

Close command (File menu)

Use this command to close all windows containing the active strategy.

You can also close a strategy by using the Close icon on the strategy's window, as shown below:

1, 2, 3, 4 command (File menu)

Use the numbers and filenames listed at the bottom of the File menu to open the last four strategys you closed.   Choose the number that corresponds with the strategy you want to open.

Exit command (File menu)

Use this command to end your GWRUN session.   You can also use the Close command on the application Control menu.   GWRUN prompts you to save strategys with unsaved changes.

Shortcuts
  Mouse: Double-click the application's Control menu button.

Keys: ALT+F4

Change Password

Enter a password for the Lock feature in Runtime.   The password can consist of as little as no characters or spaces, for which simply the ESC key will unlock the strategy.   The password can, however, contain up to 16 characters or spaces, with no constraints on format.

Administration

The administrator may add and delete users with the use of this dialog box for the Lock feature in Runtime.   Enter a Supervisor Password, .each users ID and password.   The user ID and password can consist of as little as no characters or spaces, for which simply the ESC key will unlock the strategy.   The user ID and password can, however, contain up to 16 characters or spaces, with no constraints on format

Run Menu

The Run menu is actually a command that allows you to access GWRUN Runtime   directly from the Strategy Editor menu bar. Use this command to test a previously stored strategy by pressing RUN with your mouse.

Toolbar command (View menu)

Use this command to display and hide the Toolbar, which includes buttons for some of the most common commands in GWRUN, such as File Open.   A check mark appears next to the menu item when the Toolbar is displayed.

See Toolbar for help on using the toolbar.

Toolbar

The toolbar is displayed across the top of the application window, below the menu bar.   The toolbar provides quick mouse access to many tools used in GWRUN,

To hide or display the Toolbar, choose Toolbar from the View menu (ALT, V, T).

Click   To

     Open an existing strategy.   GWRUN displays the Open dialog box, in which you can locate and open the desired file.

     Print the active strategy.

Status Bar command (View menu)

Use this command to display and hide the Status Bar, which describes the action to be executed by the selected menu item or depressed toolbar button, and keyboard latch state. A check mark appears next to the menu item when the Status Bar is displayed.

See Status Bar for help on using the status bar.

Status Bar

The status bar is displayed at the bottom of the GWRUN window.   To display or hide the status bar, use the Status Bar command in the View menu.

The left area of the status bar describes actions of menu items as you use the arrow keys to navigate through menus.   This area similarly shows messages that describe the actions of toolbar buttons as you depress them, before releasing them.   If after viewing the description of the toolbar button command you wish not to execute the command, then release the mouse button while the pointer is off the toolbar button.

The right areas of the status bar indicate which of the following keys are latched down:

Indicator	Description
CAP	The Caps Lock key is latched down.
NUM	The Num Lock key is latched down.
SCRL	The Scroll Lock key is latched down.

Cascade command (Window menu)

Use this command to arrange multiple opened windows in an overlapped fashion.

Tile command (Window menu)

Use this command to arrange multiple opened windows in a non-overlapped fashion.

Tile Horizontal command (Window menu)

Use this command to vertically arrange multiple opened windows in a non-overlapped fashion.

Tile Vertical command (Window menu)

Use this command to arrange multiple opened windows side by side.

Window Arrange Icons Command

Use this command to arrange the icons for minimized windows at the bottom of the main window. If there is an open strategy window at the bottom of the main window, then some or all of the icons may not be visible because they will be underneath this strategy window.

1, 2, ... command (Window menu)

GWRUN displays a list of currently open strategy windows at the bottom of the Window menu.   A check mark appears in front of the strategy name of the active window.   Choose a strategy from this list to make its window active.

Index command (Help menu)

Use this command to display the opening screen of Help.   From the opening screen, you can jump to step-by-step instructions for using GWRUN and various types of reference information.

Once you open Help, you can click the Contents button whenever you want to return to the opening screen.

Using Help command (Help menu)

Use this command for instructions about using Help.

About command (Help menu)

Use this command to display the copyright notice and version number of your copy of GWRUN.

Context Help command

Use the Context Help command to obtain help on some portion of GWRUN.   When you choose the Toolbar's Context Help button, the mouse pointer will change to an arrow and question mark.   Then click somewhere in the GWRUN window, such as another Toolbar button.   The Help topic will be shown for the item you clicked.

Shortcut
Keys: SHIFT+F1

Title Bar

The title bar is located along the top of a window.   It contains the name of the application and strategy.

To move the window, drag the title bar.   Note: You can also move dialog boxes by dragging their title bars.

A title bar may contain the following elements:
- Application Control-menu button
- Strategy Control-menu button
- Maximize button
- Minimize button
- Name of the application
- Name of the strategy
- Restore button

Scroll bars

Displayed at the right and bottom edges of the strategy window.   The scroll boxes inside the scroll bars indicate your vertical and horizontal location in the strategy.   You can use the mouse to scroll to other parts of the strategy.

Size command (System menu)

Use this command to display a four-headed arrow so you can size the active window with the arrow keys.

After the pointer changes to the four-headed arrow:

1. Press one of the DIRECTION keys (left, right, up, or down arrow key) to move the pointer to the border you want to move.
2. Press a DIRECTION key to move the border.
3. Press ENTER when the window is the size you want.

Note: This command is unavailable if you maximize the window.

Shortcut
Mouse: Drag the size bars at the corners or edges of the window.

Move command (Control menu)

Use this command to display a four-headed arrow so you can move the active window or dialog box with the arrow keys.

Note: This command is unavailable if you maximize the window.

Shortcut
Keys: CTRL+F7

Minimize command (application Control menu)

Use this command to reduce the GWRUN window to an icon.

Shortcut

Mouse: Click the minimize icon on the title bar.
Keys: ALT+F9

Maximize command (System menu)

Use this command to enlarge the active window to fill the available space.

Shortcut

Mouse: Click the maximize icon on the title bar; or double-click the title bar.
Keys: CTRL+F10 enlarges a strategy window.

Next Window command (strategy Control menu)

Use this command to switch to the next open strategy window.   GWRUN determines which window is next according to the order in which you opened the windows.

Shortcut
    Keys: CTRL+F6

Previous Window command (strategy Control menu)

Use this command to switch to the previous open strategy window.   GWRUN determines which window is previous according to the order in which you opened the windows.

Shortcut
Keys: SHIFT+CTRL+F6

Close command (Control menus)

Use this command to close the active window or dialog box.

Double-clicking a Control-menu box is the same as choosing the Close command.

Note: If you have multiple windows open for a single strategy, the Close command on the strategy Control menu closes only one window at a time.   You can close all windows at once with the Close command on the File menu.

Shortcuts
Keys: CTRL+F4 closes a strategy window
                  ALT+F4 closes the window or dialog box

Restore command (Control menu)

Use this command to return the active window to its size and position before you chose the Maximize or Minimize command.

Switch to command (application Control menu)

Use this command to display a list of all open applications.   Use this "Task List" to switch to or close an application on the list.

Shortcut
    Keys: CTRL+ESC

Dialog Box Options
When you choose the Switch To command, you will be presented with a dialog box with the following options:
Task List
    Select the application you want to switch to or close.
Switch To
    Makes the selected application active.
End Task
    Closes the selected application.
Cancel
    Closes the Task List box.
Cascade
    Arranges open applications so they overlap and you can see each title bar.   This option does not affect applications reduced to icons.
Tile
    Arranges open applications into windows that do not overlap.   This option does not affect applications reduced to icons.
Arrange Icons
    Arranges the icons of all minimized applications across the bottom of the screen.

Ruler command (View menu)

<< Write application-specific help here. >>

Choose Font dialog box

<< Write application-specific help here. >>

Choose Color dialog box

<< Write application-specific help here. >>

Find command (Edit menu)

<< Write application-specific help here. >>

Find dialog box

<< Write application-specific help here. >>

Replace command (Edit menu)

<< Write application-specific help here. >>

Replace dialog box

<< Write application-specific help here. >>

Repeat command (Edit menu)

Use this command to repeat the last editing command carried out.   The Repeat menu item changes to Can't Repeat if you cannot repeat your last action.

Shortcut
    Key: F4

Clear command (Edit menu)

<< Write application-specific help here. >>

Clear All command (Edit menu)

<< Write application-specific help here. >>

Next Pane

<< Write application-specific help here. >>

Prev Pane

<< Write application-specific help here. >>

GENIE Runtime Help

The GENIE Runtime system allows simultaneous execution of control, graphics, alarming, trending, datalogging, file transfer, and multiple I/O drivers. Its purpose is to execute strategies created in the GENIE Strategy Editor and Display Editor.

Runtime Operation

The GENIE Runtime system behaves in different ways, depending on the choices made by the designer who created the strategy and corresponding displays. Its overall behavior is determined by the way in which Strategy Editor blocks have been arranged and connected, in conjunction with the Scan Period(s) set in the SETUP/TASKS menu. (Refer to the *Setup Menu* section in *Chapter 2.2.3:Strategy Editor Menu Bar*)   If the Display has been designed with output capability -- buttons, numeric displays that can be edited, etc., the associated parameters can be changed during GENIE Runtime. Most commands and data are entered using the keyboard or via the mouse, which are both functional during GENIE Runtime.

Starting Runtime

Starting the GENIE Runtime session is performed from WINDOWS, DOS, or from the GENIE Strategy Editor menu bar.

1)   If Running from WINDOWS, enter the Advantech GENIE group, and double-click on the GENIE Runtime icon. Open the desired strategy file with the suffix ".gni", and press START on the GENIE Runtime Menu Bar.

2)   If running from the DOS prompt, type:

> win gwrun *<strategy>*

where *strategy* is the name of the strategy.gni file that was designed with the Strategy Editor. Make sure that the GENIE\STRATEGY directory is in your path (autoexec.bat).

3) You can also create a new icon with GWRUN *<strategy>* as the command line. This will cause the strategy to be loaded and started upon running.

4)   If running from the Strategy Editor menu bar, after you have saved the currently displayed strategy, press "RUN" with your mouse.

Runtime Menu Bar

The Runtime Menu Bar consists of a number of menus that enable you to manipulate files, start or stop running your strategy,   or manipulate windows. There is also on-line help available through a help menu.

Runtime Menus
   File Menu
   Start Menu item

Stop Menu item
Resume Menu item
Pause Menu item
Lock Menu item
Window Menu
Help Menu

Following is a description of the Runtime menus:

File Menu

The File menu includes commands that enable you to open and close   existing GENIE Strategy Files. Commands include:

Open
Use this command to Open an existing strategy. Normally, existing strategies will be stored in the **GENIE** directory.

Close
Use this command to Close your strategy. Make sure that you save it first.

FAI Conversion
Use this command to convert from BINARY file type to ASCII file type when performing HI-Speed (FAI) Logging. Converts the file (FAIXX.DAT, where XX = HI-Speed Logging Graph number) format from Binary to ASCII after acquisition is complete when using the HI-Speed Logging Display Item in the GENIE Runtime System. This allows for viewing of the file contents with a standard ASCII Editor outside of the GENIE program.   This menu item generally must be used when the strategy is not running,   or when high speed data is not logging to disk.   The Status Bar at the screen bottom displays information as to when an incorrect file conversion attempt has been made during Runtime.

HIST Conversion
Use this command to Convert the Historical Trending Display Item Log files from Binary to ASCII format. These files have a naming convention as follows:

YYMMDD##.HST

where:

YY = Year file was created
MM = Month file was created
DD = Day file was created
= Historical Trending Graph Number

after acquisition is complete in the GENIE Runtime System. When converting the format to ASCII,   you can then examine the contents using any standard ASCII editor.

Exit
Use this command to Exit the GENIE Runtime System.

Start Menu Item

A command that enables you to start your strategy as soon as you press "start".

Stop Menu Item

A command that enables you to stop your strategy as soon as you press "stop".

Resume Menu Item

A command that enables you to Resume your strategy after previously Pausing.

Pause Menu Item

A command that enables you to pause your strategy temporarily, to be continued at the same spot at a later time.

Lock Menu Item

A command that enables you to "lock" your strategy from inputs from the keyboard or mouse.   Refer to section 2.2.3, "Strategy Editor Menu Bar" under the section **Setup/Runtime Preference** for information on setting a password.

To "unlock" a "locked" strategy, press the **ESC** key, followed by typing the password that was chosen in **Setup/Runtime Preference**.   If no password is selected in **Setup/Runtime Preference**, then simply pressing the **ESC** key will "unlock" the strategy.

Window Menu

The Window menu includes commands that enable you to arrange multiple windows within GENIE. You can also select between a Runtime Window, Strategy Editor Window or a Display Window for a chosen file here.

Runtime Toolbar

To display or hide the Toolbar at the top of the Strategy Editor   screen   , highlight the View/Toolbar command with your mouse. The Toolbar and its associated buttons allow you to perform certain menu operations more quickly than actually going through the menus. Button commands are as follows:

Open an Existing Strategy

This button opens an existing strategy file.

Close the Current Strategy

This button closes currently displayed strategy.

Printer Setup

This button displays the print setup dialog box.

Start Runtime

This button starts the strategy running.

Stop Runtime

This button stops the currently running strategy.

Resume Runtime

By pressing this button, runtime may be resumed after first pausing.

Pause Runtime

Pressing this button pauses runtime until the Resume button is pressed.

Select Display

A series of buttons that allow you to toggle between defined displays in your strategy.   Up to eight displays may be accessed through the buttons.   The displays are defined numerically by their label in the Strategy Editor.

Context Sensitive Help

This button changes the mouse cursor to a special help cursor that allows you to select an object and display help for clicked buttons, menus, and windows.

Runtime Status Bar

To display or hide the Status Bar at the bottom of the Runtime screen, highlight the View/Status Bar command with your mouse. The Status Bar allows you to get quick, concise help on menu commands.   As you highlight a menu item with your mouse, you can view information on the item in the status bar at the bottom of the runtime window. Also during runtime,   status information is displayed such as any errors that have occured, or whether the strategy is running normally.   Errors generally include hardware driver errors or errors due to timing problems.   The error codes are listed in the Appendix under Runtime Error Code Listing.

Exiting GENIE Runtime

When you have finished working in Runtime exiting back to WINDOWS/DOS is performed by pressing the STOP menu item on the Runtime menu bar. After you stop the runtime system, you can either re-start by pressing start, or you can exit the GENIE Runtime system by entering the File menu and pressing Exit.

No Help Available

No help is available for this area of the window.

No Help Available

No help is available for this message box.

Print command (File menu)

Use this command to print a document.   This command presents a <u>Print dialog box</u>, where you may specify the range of pages to be printed, the number of copies, the destination printer, and other printer setup options.

Shortcuts

Toolbar:
Keys: CTRL+P

Print dialog box

The following options allow you to specify how the document should be printed:

Printer
> This is the active printer and printer connection.   Choose the Setup option to change the printer and printer connection.

Setup
> Displays a <u>Print Setup dialog box</u>, so   you can select a printer and printer connection.

Print Range
> Specify the pages you want to print:
>
> | | |
> |---|---|
> | **All** | Prints the entire document. |
> | **Selection** | Prints the currently selected text. |
> | **Pages** | Prints the range of pages you specify in the From and To boxes. |

Copies
> Specify the number of copies you want to print for the above page range.

Collate Copies
> Prints copies in page number order, instead of separated multiple copies of each page.

Print Quality
> Select the quality of the printing.   Generally, lower quality printing takes less time to produce.

Print Progress Dialog

The Printing dialog box is shown during the time that GENIE is sending output to the printer. The page number indicates the progress of the printing.

To abort printing, choose Cancel.

Print Preview command (File menu)

Use this command to display the active document as it would appear when printed.   When you choose this command, the main window will be replaced with a print preview window in which one or two pages will be displayed in their printed format.   The print preview toolbar offers you options to view either one or two pages at a time; move back and forth through the document; zoom in and out of pages; and initiate a print job.

Print Preview toolbar

The print preview toolbar offers you the following options:

Print
    Bring up the print dialog box, to start a print job.

Next Page
    Preview the next printed page.

Prev Page
    Preview the previous printed page.

One Page / Two Page
    Preview one or two printed pages at a time.

Zoom In
    Take a closer look at the printed page.

Zoom Out
    Take a larger look at the printed page.

Close
    Return from print preview to the editing window.

Print Setup command (File menu)

Use this command to select a printer and a printer connection.   This command presents a Print Setup dialog box, where you specify the printer and its connection.

Print Setup dialog box

The following options allow you to select the destination printer and its connection.

Printer
   Select the printer you want to use.   Choose the Default Printer; or choose the Specific Printer option and select one of the current installed printers shown in the box.   You install printers and configure ports using the Windows Control Panel.

Orientation
   Choose Portrait or Landscape.

Paper Size
   Select the size of paper that the document is to be printed on.

Paper Source
   Some printers offer multiple trays for different paper sources.   Specify the tray here.

Options
   Displays a dialog box where you can make additional choices about printing, specific to the type of printer you have selected.

Network...
   Choose this button to connect to a network location, assigning it a new drive letter.

Page Setup command (File menu)

<< Write application-specific help here. >>

Κ**Event Log Menu**

Use this menu to enable the Event Log Viewer.   This allows you to view events such as :

1) Login/out times
2) Strategy Start and Stop times
3) Alarms and Alarm Acknowledgement

Runtime

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where *strategy* is the name of the strategy.gni file that was designed with the Strategy Editor. Make sure that the GENIE\STRATEGY directory is in your path (autoexec.bat).

3) You can also create a new icon with GWRUN *<strategy>* as the command line. This will cause the strategy to be loaded and started upon running.

4)   If running from the Strategy Editor menu bar, after you have saved the currently displayed strategy, press "RUN" with your mouse.

Runtime Menu Bar

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Use this command to Close your strategy. Make sure that you save it first.

FAI Conversion
Use this command to convert from BINARY file type to ASCII file type when performing HI-Speed (FAI) Logging. Converts the file (FAIXX.DAT, where XX = HI-Speed Logging Graph number) format from Binary to ASCII after acquisition is complete when using the HI-Speed Logging Display Item in the GENIE Runtime System. This allows for viewing of the file contents with a standard ASCII Editor outside of the GENIE program.   This menu item generally must be used when the strategy is not running,   or when high speed data is not logging to disk.   The Status Bar at the screen bottom displays information as to when an incorrect file conversion attempt has been made during Runtime.

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> YYMMDD##.HST

where:

> YY = Year file was created
> MM = Month file was created
> DD = Day file was created
> ## = Historical Trending Graph Number

after acquisition is complete in the GENIE Runtime System. When converting the format to ASCII,   you can then examine the contents using any standard ASCII editor.

SCRIPT
Use this command to Run a Script.   The   Scripting Language feature is a critical part of GENIE 2.0+ that sets it apart from other icon-based data acquisition and control programs. The Scripting Language will allow you to step GENIE through separate strategies and various stages of your process, experiment, or test without operator intervention.

Ramp and soak cycles can be implemented for batch control applications.   Disk logging can be turned on and off automatically at certain points in the automation sequence.   Valves can be opened and closed.   If an emergency condition takes place,   the script can be made to branch to a specific shutdown strategy.

Using any standard ASCII editor, such as the GenPad Script Editor (icon interface provided in GENIE program group), you can write a script that acts on your GENIE Strategies and   User Program block variables within the Strategies, with one or many lines of program statements. The scripting language uses C-like syntax as does the User Program block and, in fact, shares variables with the User Program block(s) in your Strategies.

Script
A Script consists of one or more statements that follow the correct syntax. The script runs during GENIE Runtime like a batch file -- that is, it performs each line in sequential order. Function calls are made one at a time,   and each function must be completed before the next line is executed in the script. Check the GENIE Reference Manual, EXTENDED Features for detailed information on Scripting Language syntax.

Exit
Use this command to Exit the GENIE Runtime System.

Start Menu Item

A command that enables you to start your strategy as soon as you press "start".

Stop Menu Item

A command that enables you to stop your strategy as soon as you press "stop".

Resume Menu Item

A command that enables you to Resume your strategy after previously Pausing.

Pause Menu Item

A command that enables you to pause your strategy temporarily, to be continued at the same spot at a later time.

Lock Menu Item

A command that enables you to "lock" your strategy from inputs from the keyboard or mouse.   Refer to section 2.2.3, "Strategy Editor Menu Bar" under the section **Setup/Runtime Preference** for information on setting a password.

To "unlock" a "locked" strategy, press the **ESC** key, followed by typing the password that was chosen in **Setup/Runtime Preference**.   If no password is selected in **Setup/Runtime Preference**, then simply pressing the **ESC** key will "unlock" the strategy.

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This button opens an existing strategy file.

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This button closes currently displayed strategy.

Printer Setup

This button displays the print setup dialog box.

Start Runtime

This button starts the strategy running.

Stop Runtime

This button stops the currently running strategy.

Resume Runtime

By pressing this button, runtime may be resumed after first pausing.

Pause Runtime

Pressing this button pauses runtime until the Resume button is pressed.

Select Display

A series of buttons that allow you to toggle between defined displays in your strategy.   Up to eight displays may be accessed through the buttons.   The displays are defined numerically by their label in the Strategy Editor.

Context Sensitive Help

This button changes the mouse cursor to a special help cursor that allows you to select an object and display help for clicked buttons, menus, and windows.

Runtime Status Bar

To display or hide the Status Bar at the bottom of the Runtime screen, highlight the View/Status Bar command with your mouse. The Status Bar allows you to get quick, concise help on menu commands.   As you highlight a menu item with your mouse, you can view information on the item in the status bar at the bottom of the runtime window. Also during runtime,   status information is displayed such as any errors that have occured, or whether the strategy is running normally.   Errors generally include hardware driver errors or errors due to timing problems.   The error codes are listed in the Appendix under Runtime Error Code Listing.

Exiting GENIE Runtime

When you have finished working in Runtime exiting back to WINDOWS/DOS is performed by pressing the STOP menu item on the Runtime menu bar. After you stop the runtime system, you can either re-start by pressing start, or you can exit the GENIE Runtime system by entering the File menu and pressing Exit.

FAI Conversion

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HIST Conversion

Use this command to Convert the Historical Trending Display Item Log files from Binary to ASCII format. These files have a naming convention as follows:

YYMMDD##.HST

where:

YY = Year file was created
MM = Month file was created
DD = Day file was created
= Historical Trending Graph Number

after acquisition is complete in the GENIE Runtime System. When converting the format to ASCII,   you can then examine the contents using any standard ASCII editor.

SCRIPT

Use this command to Run a Script.   The   Scripting Language feature is a critical part of GENIE 2.0+ that sets it apart from other icon-based data acquisition and control programs. The Scripting Language will allow you to step GENIE through separate strategies and various stages of your process, experiment, or test without operator intervention.

Ramp and soak cycles can be implemented for batch control applications.   Disk logging can be turned on and off automatically at certain points in the automation sequence.   Valves can be opened and closed.   If an emergency condition takes place,   the script can be made to branch to a specific shutdown strategy.

Using any standard ASCII editor, such as the GenPad Script Editor (icon interface provided in GENIE program group), you can write a script that acts on your GENIE Strategies and   User Program block variables within the Strategies, with one or many lines of program statements. The scripting language uses C-like syntax as does the User Program block and, in fact, shares variables with the User Program block(s) in your Strategies.

Script
A Script consists of one or more statements that follow the correct syntax. The script runs during GENIE Runtime like a batch file -- that is, it performs each line in sequential order. Function calls are made one at a time,   and each function must be completed before the next line is executed in the script. Check the GENIE Reference Manual, EXTENDED Features for detailed information on Scripting Language syntax.

Start Menu item

A command that enables you to start your strategy as soon as you press "start".

Stop Menu item

A command that enables you to stop your strategy as soon as you press "stop".

Resume Menu

A command that enables you to Resume your strategy after previously Pausing.

Pause Menu item

A command that enables you to pause your strategy temporarily, to be continued at the same spot at a later time.

Lock Menu Item

A command that enables you to "lock" your strategy from inputs from the keyboard or mouse.   Refer to section 2.2.3, "Strategy Editor Menu Bar" under the section **Setup/Runtime Preference** for information on setting a password.

To "unlock" a "locked" strategy, press the **ESC** key, followed by typing the password that was chosen in **Setup/Runtime Preference**.   If no password is selected in **Setup/Runtime Preference**, then simply pressing the **ESC** key will "unlock" the strategy.

Exiting the Runtime Application

When you have finished your work in the Strategy Editor and desire to return to Windows or DOS, clicking on the **Exit** command in the **File** submenu will accomplish this task. You will be prompted as to whether you would like to save any changes that were made in the current session. Upon giving the appropriate response, you will exit the Strategy Editor -- thus exiting the GWRUN program.