Using the History Log

Contents

Overview 1

History Log Options 3

- Logging State 3
  - Currently Logging 3
  - Commence Logging at Session Start 3
  - Import Most Recent Log File at Session Start 3
- Logging Threshold 4
  - #Unlogged History Statements Threshold 4
  - Overwrite Log File 4
  - Issue Alert when %Threshold is Exceeded 4
  - %Threshold for Alert 4
- Log File 4
  - Log File Prefix 4
  - Log File Path 4
  - Recent Log File: 4
- Log Import Options 4
  - Import Executed APL Statements 4
  - Import Result Type APL Statements 4
  - Import Callback Type APL Statements 4
  - Import All Other APL Statement Types 4

Update History Log File Now 5

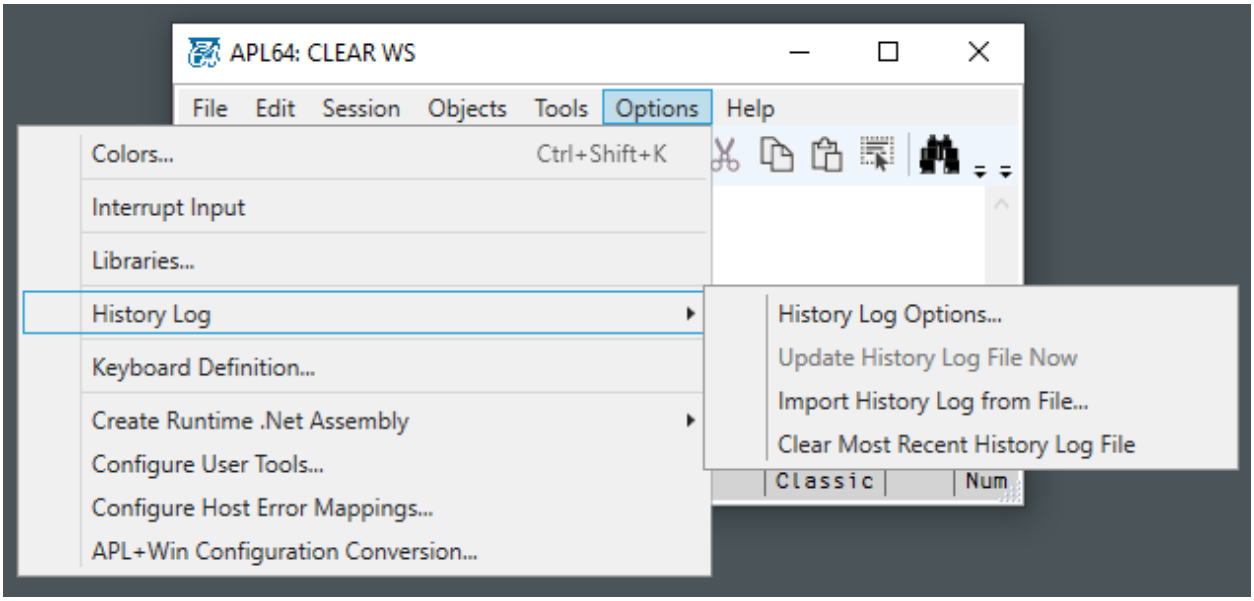
Import History Log from File 5

Clear Most Recent History Log File 5

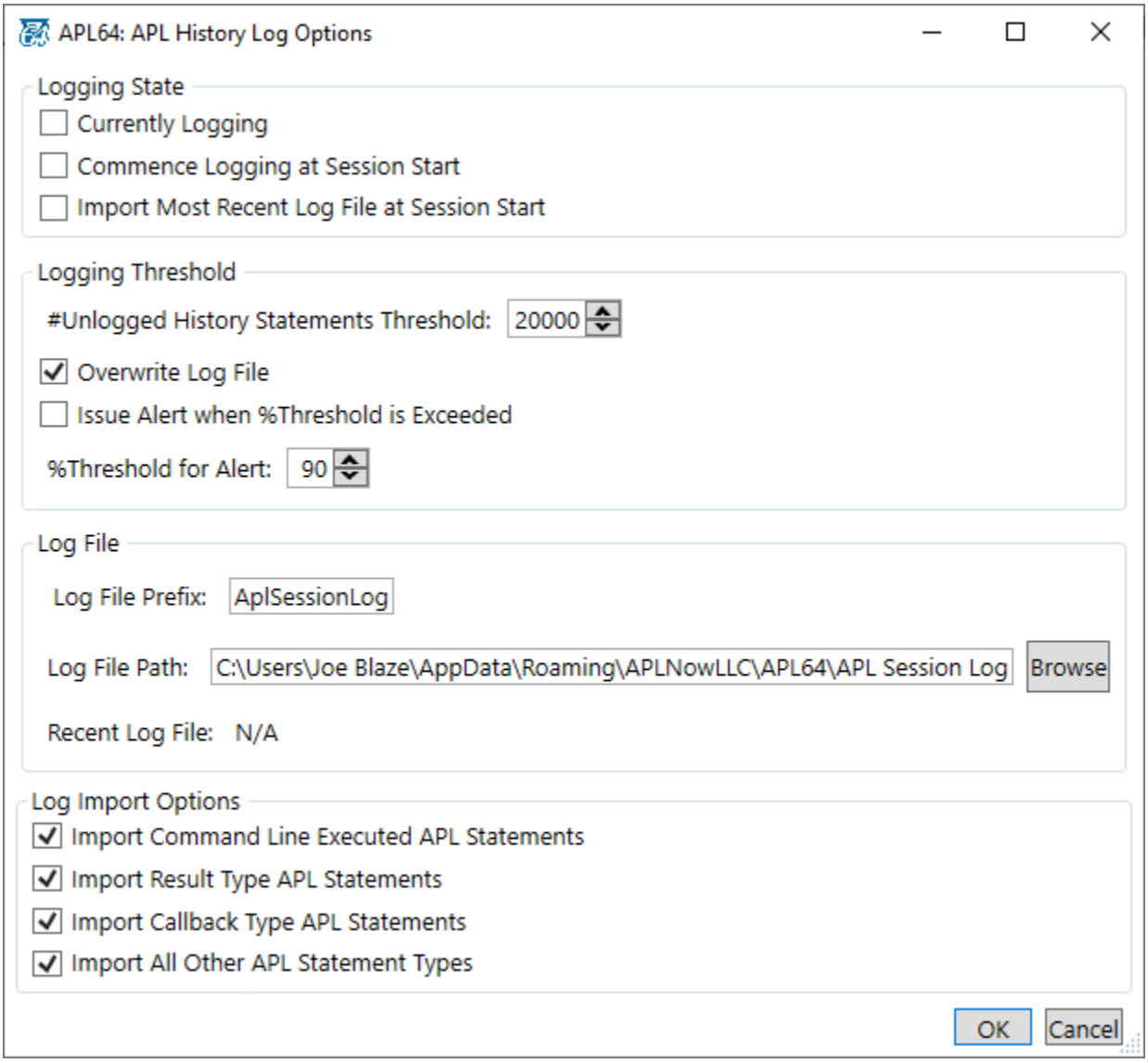
History Log File Format 5

Overview

The history log is accessed from the Options | History Log menu item in the APL64 developer version. The history log can be used to record APL executable statements and their output if any during an instance of the APL64 developer version. The content of a previously created history log file may be recalled to the current instance of the APL64 developer version.



History Log Options



Logging State

Currently Logging

Check/Uncheck this option to start/stop logging in the current instance of the APL64 developer version.

Commence Logging at Session Start

If this option is checked, the Logging State: Currently Logging option will be checked when a new APL64 developer version instance is started.

Import Most Recent Log File at Session Start

If this option is checked, the content of the most recent, previously created history log file, if any, will be imported to the history pane when a new APL64 developer version instance is started. This will be done prior to the loading of the workspace specified by the APL64 start-up parameter 'WorkspaceToLoad', if any.

Logging Threshold

#Unlogged History Statements Threshold

Enter the number of unlogged APL History statements which will trigger a log file update. When this threshold is equaled or exceeded, a log file update will occur when an APL statement is executed from the Command Line or Editable Classic History Pane. This threshold does not reflect the number of statements in a log file.

Overwrite Log File

If checked, the APL History Log file will be overwritten when the 'logging threshold' is exceeded. If not checked, a new log file will be created whenever the 'logging threshold' is exceeded.

Issue Alert when %Threshold is Exceeded

If checked the %Threshold for Alert option applies. This option applies only when Overwrite Log File is checked.

%Threshold for Alert

Enter/Select an integer percent. This option applies only when Overwrite Log File is checked.

Log File

Log File Prefix

Enter the log file prefix. Each log file will be named with this prefix followed by the date and time, in UTC format, the log file was created.

Log File Path

The default value is the value of □USERPATH prepended to the folder '\APL Session Log' which is selected to assure that the workstation user will have read/write access to history log files. If necessary, enter or browse to select an alternate log file path.

Recent Log File:

This is the most recently created history log file, if any.

Log Import Options

Import Executed APL Statements

If checked, executed APL statements will be imported to the history.

Import Result Type APL Statements

If checked, result statements, if any, associated with executed APL statements will be imported to the history.

Import Callback Type APL Statements

If checked, interpreter callback type APL statements, if any will be imported to the history.

Import All Other APL Statement Types

If checked any other type of APL statement will be imported to the history.

Update History Log File Now

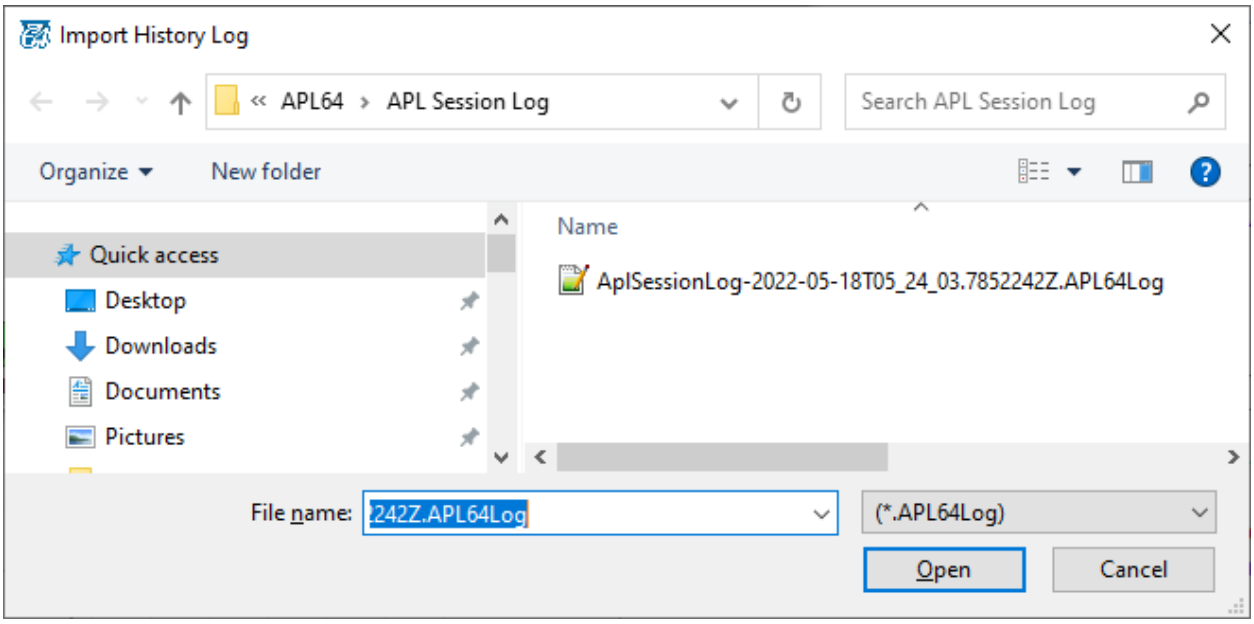
If this option is clicked, any unlogged APL statements in the history of the current APL64 developer version instance will be appended to the most recent history log file. The history log file will be created, if necessary. Check Options | History Log | History Log Options : Currently Logging to enable the Update History Log File Now action.

Import History Log from File

If this option is clicked, the user-selected APL statements in a user-selected, previously created history log file will be appended to the history of the current APL64 developer version instance. Imported APL statements appended to the history are not executed upon import.

All APL statement types which exist in the history pane of the current APL64 developer version instance are appended to a history log file. During the Import History Log from File action, the user-selected APL statements are imported.

When this option is clicked, the File Open dialog will be presented with the most recent history log file selected. If there are multiple history log files present, the user may select any one of them to import to the current APL64 developer GUI instance.



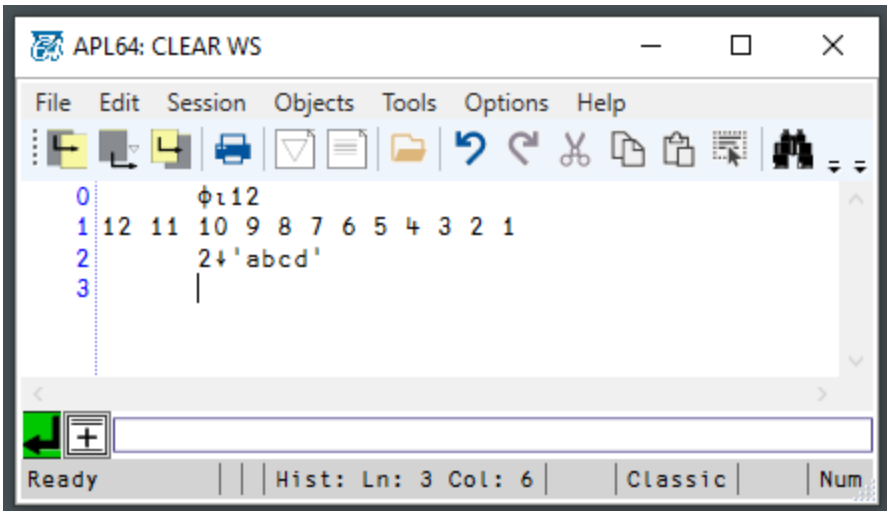
Clear Most Recent History Log File

If this option is clicked, the most recent history log file will be cleared.

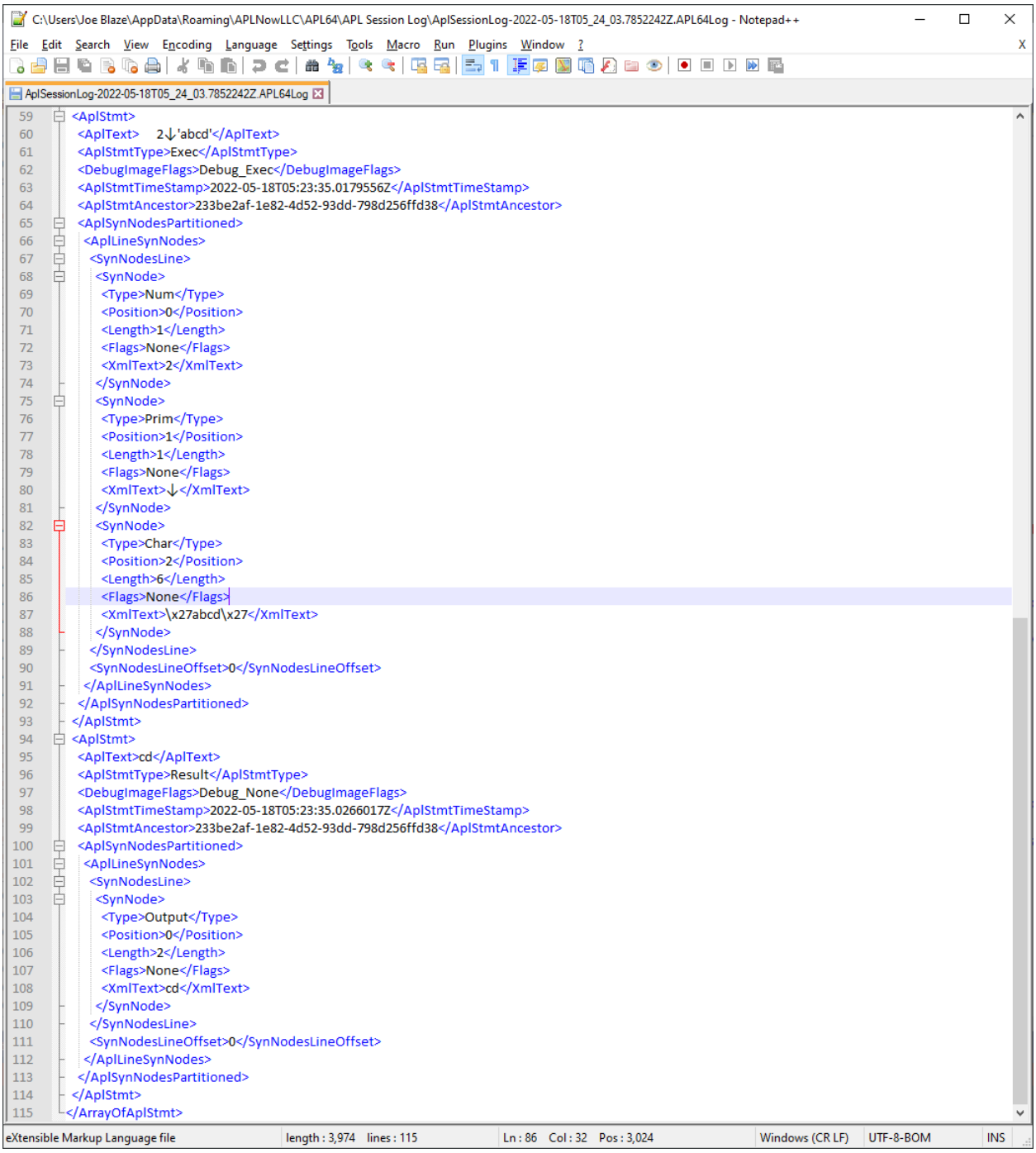
History Log File Format

The history log file is in xml format.

Here is an example of a history from the current APL64 developer GUI instance:



Here is an excerpt of the corresponding history log file starting with the APL executed statement 2↓'abcd':



Each APL statement is time stamped in UTC format. Result type statements have the AplStmtAncestor field equal to the AplStmtAncestor field of the APL executable statement which generated the result type statement. Syntax coloring information is also recorded for each APL statement.

Depending on the editor used to view the xml-format APL64 history log file, APL glyphs may be represented by substitute glyphs. If an APL64 history log file is imported, these APL glyphs will be properly represented in the history pane.