

# APL64 Library Definitions

## Summary

APL64 can include an option collection of library definitions. Each library definition is composed of a 32-bit integer and a text element associated with that 32-bit integer. Library definitions are used as short cuts for full file paths.

A library definition can be transient, i.e. it will be used throughout the current APL64 instance unless modified by the user, will not be saved to the APL64 xml-format configuration file and hence if a new APL64 instance is started using the same APL64 xml-format configuration file, that transient library definition will not be created upon start-up.

If a library definition is not transient it will be used throughout the current APL64 instance unless modified by the user, will be saved to the APL64 xml-format configuration file and hence if a new APL64 instance is started using the same APL64 xml-format configuration file, that non-transient library definition will be created upon start-up.

## Library Definitions in the APL64 xml-format Configuration File

The APL64, xml-format configuration file is a physical file which can be user-provided at the start of an APL64 instance using the APL64CONFIGPATH= command line argument. The appropriate library definition property values must be provided in the '<AplLibraries>' section of the configuration file.

- LibraryNo: 32-bit integer
- LibraryPath: user-defined text, often a folder path
- LibraryIsTransient: true or false

All library definitions in the configuration file will be created by APL64 when an APL64 instance is created. Generally, when an APL library definition is included in the configuration file, the 'LibraryIsTransient' property value should be 'false'. When a library definition is created by editing the APL64 xml-format configuration file, the LibraryPath can be any text and not necessarily a folder path conforming to the operating system environment.

Example:

```
<?xml version="1.0" encoding="utf-8"?>
<APL64Config
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  ...
  <AplLibraries>
    <AplLibraryColl>
      <AplLibrary LibraryNo="8000">
        <LibraryPath>2</LibraryPath>
        <LibraryIsTransient>>false</LibraryIsTransient>
      </AplLibrary>
```

```
</AplLibraryColl>
</AplLibraries>
...
</APL64Config>
```

## Library Definition created with the LIBD System Function

The APL64  LIBD system function can be used to remove or create an APL64 library definition. An APL library definition created with the  LIBD system function is transient. When a library definition is created with the  LIBD system function, APL64 will process the LibraryPath to a folder path conforming to the operating system environment.

Examples:

- LIBD '1000' deletes the library definition, if any, associated with library# 1000
- LIBD '1000 c:\test1' creates the transient library definition associated with library #1000

## APL64 Session: Options > Libraries... Dialogue

This dialogue can be used to review, create, modify or delete a library definition. A library definition's transient property value can be set using this dialogue. If the dialogue user clicks the OK button and the 'Save Library Definitions On OK' is checked, the non-transient library definitions will be saved to the APL64 xml-format configuration file. When a library definition is created or modified by using this dialogue, the LibraryPath can be any text and not necessarily a folder path conforming to the operating system environment.

Library Definitions

Current Library Definitions:

Lib#	Path	Transient
8000	2	<input type="checkbox"/>
1000	C:\TEST1	<input type="checkbox"/>

Lib# Path Transient Add

Browse

Save Library Definitions On OK

Delete Delete All Move Up Move Down OK Cancel