
libAIR

<<http://aircert.sourceforge.net/libair>>

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CERT/CC

INCH WG

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Overview

- AirCERT is a data-sharing project run by the CERT/CC
 - <http://www.cert.org/kb/aircert/>
- Libair is a set of common utilities used by the rest of AirCERT
 - *xml*: XML parsing and generation code
 - *db*: database access abstraction code
 - *xform*: generic data transformation engine
 - *util* utility functions (e.g., logging, memory allocation)
- Combines libIH and libairutil (both have been deprecated)
- C/C++ API
- Released under LGPL licensed
- Tested under Linux, Free/OpenBSD, and Mac OS X
 - Unreleased Win32 diffs do exist

Functionality

- A generic tree (DOM-like) data structure and an API to represent and manipulate the XML document;
- An XML-parsing engine (using expat) that will convert the XML documents into the support DTD into the generic tree data structure
- A configurable output mechanism that can turn a libair::xml tree into an XML document (with no hard-coding of tags, attributes, etc.).

Future Direction

- Schema support
 - Will release Schema version when IDWG or INCH WGs use it
- PERL bindings