

Persistent data structures in C

Abstract: This work describes the design and implementation of persistent data structures framework for C programming language. It discusses effective implementation of persistent structures and providing transparent manipulation of data. This work defines services which should be provided by persistent layer and tries to define some general persistent layer interface for good extensibility. In the end it analyses performance issues of various data storages and tries to specify class of applications, which could use persistent data structures framework.

Keywords: persistent tree structures, C, data structures