

# Transactional Lockless Data Structures



- TLDS is a framework for the development of transactional data structures
- Key Components
  - Scalable methodology for transforming non-blocking data structures into transactional data structures
  - Library of transactional data structures
  - Tool to validate their correctness
- Purpose: to enable software developers to easily construct highly scalable applications
- Potential use cases
  - In-memory databases
  - Scientific applications
  - Data analysis applications
  - Web servers

