

TotalViewITCH.jl

Data Storage

- Need a different data format?
- Julia's generics and abstract types to the rescue!

```
const Writable = Union{Book,OrderMessage,TradeMessage,NOIIMessage}

abstract type Backend end

function ping(b::Backend) end
function check_exists(date::Date, ticker::String, b::Backend)::Bool end
function build(b::Backend)::Bool end
function insert(b::Backend, items, collection, ticker, date)::Int end
function find(b::Backend, collection, ticker, date) end
function clean(date::Date, ticker::String, b::Backend)::Bool end
function clean(date::Date, b::Backend)::Bool end
function clean(ticker::String, b::Backend)::Bool end
function teardown(b::Backend)::Bool end
```

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Roadmap

- Improved message type support (Reg SHO, etc.)
- Additional data storage formats (e.g., Parquet)
- Command-line tool