

## Block\_cache

A caching layer for block based storage to reduce the cost of calls to the backing medium with the expense of additional memory usage. Block cache currently has the following limitations:

- Struct hardcoded to use a 'StorageDevice' reference
- Facilitate limited number of reads of contiguous block upon call
- Cached blocks stored as vectors on heap.
- Inconsistent results when writes performed by other system crates to underlying device

Solution to mentioned inconsistency is to only expose a 'BlockCache' instead of exposing a 'StorageDevice'

## Glossary

### Structs

#### BlockCache

A cache to store read and written blocks from a storage device.