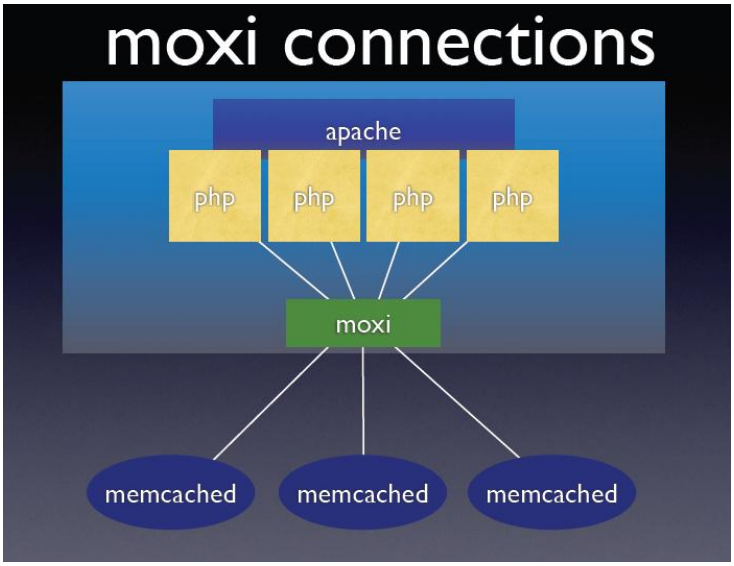
moxi

proxy for memcached

Why moxi?

We built moxi to provide a better way to add/remove nodes, improve performance and control memcached connections. Many of the memcached users we talked to had built their own proxies, though some had abandoned the effort. We wanted to provide a more standard proxy that everyone could contribute to and support.



Features

- Open Source
- Configurable concurrency
- Protocol conversion
- Authentication
- Consistent hashing
- Front cache
- Failure handling
- GET deduplication
- Stats aggregation
- Flush_all broadcast

What does it do?

moxi gives you more control over your application connections to memcached nodes.

By having a proxy in place, you can point your application at the proxy and use the proxy to manage the server list. No need to take down the application. The proxy can also do protocol conversion, provide authenticated connections to memcached nodes and reduce the number of calls to memcached, through things like a front cache and deduplication.

moxi also does error handling, with configurable retry counts. This keeps your application from getting stuck waiting for the cache when it's not responding. moxi sends an error and a cache miss back to the client.

System Requirements

Server operating system

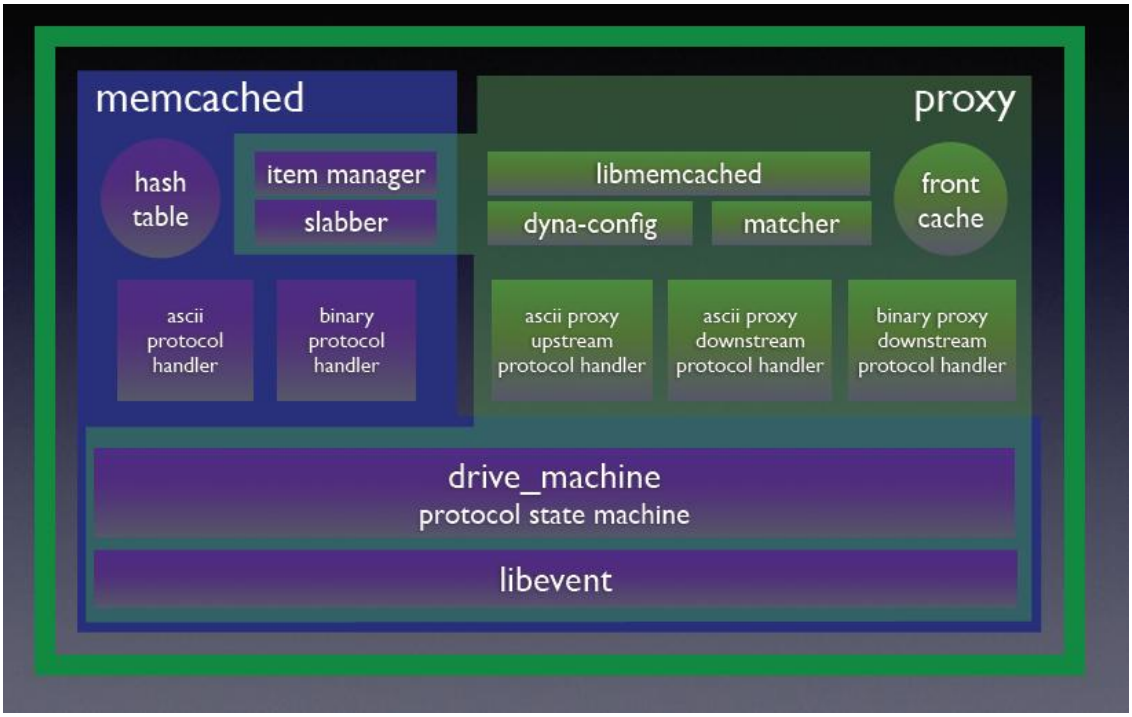
- Ubuntu Linux, Debian Linux, Red Hat Linux, Fedora Linux, Solaris/OpenSolaris and most other Linux or UNIX like operating systems

Server hardware

- Uses little CPU, requires 20 Mb RAM

moxi Architecture

We built moxi using libmemcached, memcached and libevent.



Try It!

moxi is brought to you by the hardcore memcached guys at NorthScale. You can pick up moxi from labs.northscale.com/moxi. We welcome feedback and suggestions, so if you give it a try, please let us know what you think at feedback@northscale.com.

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