

Design

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MyDBClient is the local client which extends the Client class. It overrides the callbackSend and handleResponse methods from the original client class. When the client sends a request to the DB, it waits for the send method to finish executing before invoking the handleResponse callback method. The handleResponse method is also an overridden method that lives in the client class. Right now, it only parses the request back to a string and outputs it. MyDBSingleServer in the local server; It extends the Server class. The server establishes a connection with the local instance of Cassandra in the constructor. It overrides the handleMessageFromClient method, which allows it to convert a byte array to a string command and execute it on the instance of Cassandra.