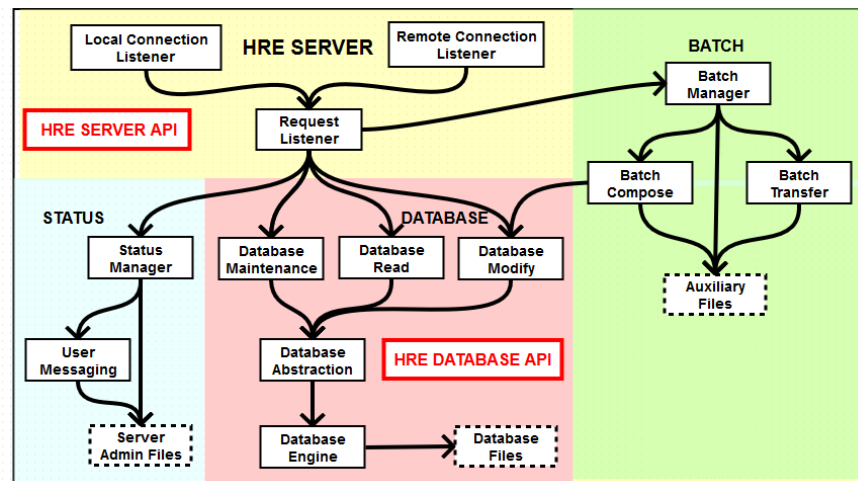


3.3 Architecture – Server Component

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A representation of the structure of the Server Component

1. In this diagram the server can receive messages from 2 sources; from the client (if it exists on the same computer) or from an external TCP/IP connection. The Remote Connection Listener is based on an externally-provided standard transport component
2. This server has 3 functional areas which are labelled STATUS, DATABASE and BATCH. The Request Listener is the decoder and validator of requests.
 - 2.1. The STATUS branch is largely about internal management of access control, error reporting and inter-user messaging
 - 2.2. The DATABASE branch applies different rules for MODIFY, READ and MAINTENANCE requests, but all of these must pass through the database abstraction layer. This concept isolates the rest of the HRE application from the current database engine. This means that if it was required to change the database engine or internal structure of the database, this layer could provide the mapping required without a re-examination of the whole application
 - 2.3. The BATCH branch can in turn use the DATABASE branch to satisfy some requests which are likely to be bulk data importing, exporting and script-driven report composition.