

HRE – NON-DATABASE FILES OVERVIEW

Revision history

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SCOPE

HRE is an application in 2 parts; an HRE Client process and an HRE Server process. The GUI is controlled by the HRE Client process. It makes requests to the HRE Server process. The Server's main function is to update HRE Project databases. In the simplest model the HRE Client process and the HRE Server process are being executed in the same computer. In the other case the Server process is executing on another networked computer that may be in the same location or be accessed by internet communication. When the Client and Server processes are executing in the same computer HRE is a one user at time configuration. When the Server and Client are not being processed in the same computer this allows more than one user to operate on a HRE project at the same time. This creates some restriction on the timing of some operations, like backup. So the Client and the Server of the Project's database have to communicate status information. A Client may access several HRE Projects that are served by different physical Server computers. To be able to access a number of Servers the Client needs to maintain information about which Project is served by a particular Server. The Client needs to hold information about the communication path to the Server. The Client needs to know adequate information to be able to open the selected Project using the right user credentials.

NON-DATABASE FILES

These files need to be stored at a known file path in the appropriate computer. To maintain flexibility in possible content these files should be maintained in XML format. Although all this information could be stored as a single XML file (in each of the Client and the Server), logically and for security reasons of access rights they would best stored as separate sets of files.

- CLIENT-RELATED
 - Device settings and status
 - Users status & history
 - Projects access, status & history.
- SERVER-RELATED
 - Device settings and status
 - Users status & history
 - Project access, status & history
 - Client access, status & history
 - Server task queue & status
 - Inter-user messaging status.

USE OF NON-DATABASE FILES

It is the responsibility of the owning process to keep these files up to date. The exact content of these files has not been listed yet. All non-Project data and customized settings that are required for HRE to operate must be stored in these files. NOTE: Many values held within these NON-DATABASE files will need to be retrieved for substitution in message templates (in combination of values retrieved from the Project database), so they will need explicit persistent methods of access.