

**QueryRecord** structure

#include &lt;DatabaseAccess.h&gt;

```

typedef struct QueryRecord {
    short          version;      2      0      version
    short          id;           2      2      id of 'qrsc' this came from
    Handle         queryProc;    4      4      handle to query def proc
    Str63          ddevName;     64      8      ddev name
    Str255         host;         256     72     host
    Str255         user;         256     328    user
    Str255         password;     256     584    password
    Str255         connStr;      256     840    connection string
    short          currQuery;    2      1096   current query
    short          numQueries;    2      1098   number of queries in queryList
    QueryListHandle queryList;   4      1100   handle to list of queries
    short          numRes;       2      1104   number of resources in resList
    ResListHandle resList;       4      1106   handle to list of other resources
    Handle         dataHandle;    4      1110   data used by query def proc
    long          refCon;        4      1114   query's reference value
} QueryRecord;

```

typedef QueryRecord \***QueryPtr**;typedef QueryRecord **QueryHandle**;**Field descriptions**

version	The version number of the <b>QueryRecord</b> format. For the <b>Data Access Manager</b> released with system software version 7.0, the version number is 0.
id	The resource ID of the 'qrsc' resource from which the <b>Data Access Manager</b> created this <b>QueryRecord</b> .
queryProc	A handle to the query definition function that the <b>DBStartQuery</b> function calls. This handle is NIL if there is no query definition function-that is, if the <b>DBStartQuery</b> function should send the query specified by this <b>QueryRecord</b> to the data server without modifications.
ddevName	The database extension name used as a parameter to the <b>DBInit</b> function.
host	The name of the host computer system used as a parameter to the <b>DBInit</b> function.
user	The name of the user, used as a parameter to the <b>DBInit</b> function.
password	The user's password, used as a parameter to the <b>DBInit</b> function.
connStr	The connection string used as a parameter to the <b>DBInit</b> function.
currQuery	An index value from 1 through <i>numQueries</i> , indicating

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	<p>which element in the array of query handles represents the current query. The current query is the one actually sent to the data server. If the query document contains more than one 'wstr' resource, the query definition function can prompt the user to select a new current query and modify this field in the query record appropriately.</p>
numQueries	<p>The number of queries referred to by the <i>queryList</i> field.</p>
queryList	<p>A handle to an array of handles. Each handle in this array refers to a query. Each query is created from a 'wstr' resource in the query document and is stored in memory as a 2-byte length field followed by ASCII text. (The length does not include the 2 bytes of the length field.) The query definition function can create a new query. To add a new handle to the array of handles, use the <b>Memory Manager's SetHandleSize</b> function to increase the size of the array. Don't forget to change the value of the <i>numQueries</i> field as well.</p>
numRes	<p>The number of resources referred to by the <i>resList</i> field.</p>
resList	<p>A handle to an array of records of type <b>ResListElem</b>. Each record in the array contains the type and ID of a resource that is needed by the query definition function.</p>
dataHandle	<p>A <u>handle</u> to memory for use by the query definition function. When the <b>Data Access Manager</b> first creates the query record, this field is NIL. The query definition function can allocate memory and place a handle to it in this field. The query definition function should dispose of any memory it allocates before it returns control to the <b>Data Access Manager</b>.</p>
refCon	<p>The query record's reference value. The application can use this field for any purpose.</p>