



MAINTARI F

SPECIFICATIONS FOR THE USAGE OF MAINTABLE WITH RELATIONAL DATABASES

MainTable is a software for table maintenance especially for mainframe, which can be used in the decentralized world as well.

MainTable can be used with relational databases under the operating systems z/OS, Linux, Windows, Solaris and AIX. It supports the following relational databases as data sources:DB2, Oracle, MySQL, PostgreSQL, Informix, Progress.

The following restrictions have to be considered when using MainTable with relational databases:

DATABASE CONNECTION – MAINERAME

- Under z/OS, there is no ODBC Driver Manager available. On this platform, DB2 can directly be connected to MainTable (by using CAF or DB2-CLI).
- Other relational databases than DB2 are not supported under z/OS.

DATABASE CONNECTION – NON-MAINFRAME

ODBC Driver Manager

- Only one driver manager can be used which has to support all databases.
- Under Unix and Linux, MainTable currently only supports the open source driver manager unixODBC
- Under Windows, MainTable supports only the driver manager of the Windows system.

BOI Software Entwicklung und Vertrieb GmbH

40 years of experience.

Your specialist for table data management.

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ODBC Driver

MainTable supports only ODBC drivers which may be run in single byte mode (the so-called "ANSI Driver"). For the following databases, such drivers are available or the available driver can be configured accordingly. MainTable has been tested with the ODBC drivers mentioned below.

- Oracle: driver: "Oracle Instant Client", operating systems: Windows, Linux, Unix, driver manager Linux/Unix: unixODBC
- DB2: driver: "DB2 Connect", "DB2 Advanced Enterprise Server Edition", operating systems: Windows, Linux, Unix, operating systems RDB Server: Windows, Linux, Unix, driver manager Linux/Unix: unixODBC
- Informix: driver: "Informix Dynamic Server", operating systems: Windows, Linux, Unix, driver manager Linux/Unix: unixODBC
- MySQL: driver: component "Connector/ODBC" of the MySQL Community Edition, operating systems: Windows, Linux, Unix, driver manager Linux/Unix: unixODBC
- PostgreSQL: driver: "psqlodbc", operating systems: Windows, Linux, Unix, driver manager Linux/Unix: unixODBC
- MSSQL: driver: "SQL Server" (non Native Client), operating system and driver manager: Windows

Is your combination of database, driver manager and ODBC driver not included in the list? Please contact us!

DATABASE

- The relational database must not be defined in Unicode.
- The relational database has to use one of the following codepages: o ASCII: ISO8859-1, ISO8859-15, Windows-1252 o EBCDIC: Cp273, Cp1141, Cp037, CP1140
- MainTable does not support case-sensitive schema names.
- In Oracle databases, character fields of tables have to be defined using length semantic CHAR ("Character-Semantic"). The length semantic BYTE is not supported.

BOI BETTER ORGANIZED INFORMATION



TABLES

- MainTable does not support case-sensitive table or column names.
- The primary key of a table may contain maximally 16 columns.
- Table names with up to 10 characters are supported. Longer table names are mapped internally to shorter names.
- Column names with up to 30 characters are supported. Longer table names are mapped automatedly to shorter names. Possible characters are:
 1st character: letter or "\$" or "#"
 Character 2-30: letter, digit, "\$", "#" or "_"
- Columns must have a maximum length (e.g., "varchar(200)").
- Table rows must not exceed a maximum length of 32k bytes.
- The following data types are supported:
 - o SQL_CHAR (DB2: 254, Oracle: 2000, Postgre: 10M; in MainTable, the total row length is limited to 32k)
 - o SQL_VARCHAR (DB2: 32672, Oracle: 4000, Postgre: 10M; in MainTable, the total row length is limited to 32k)
 - o SQL_DECIMAL (=SQL_NUMERIC) (with maximally 31 digits precision in total; Oracle NUMBER only with explicitly specified number of digits <= 31)</pre>
 - o SQL_BIGINT
 - o SQL_INTEGER
 - o SQL_SMALLINT
 - o SQL_TINYINT
 - o SQL_FLOAT (=SQL_DOUBLE)
 - o SQL_REAL
 - o SQL_TYPE_DATE (=SQL_DATE)
 - o SQL_TYPE_TIME (=SQL_TIME)
 - o SQL_TYPE_TIMESTAMP (=SQL_TIMESTAMP): Timestamp fields in tables of rela tional databases support timestamp(0) to timestamp(12). MainTable proces ses (0) to (12) as character, except for (6). (6) will be processed as timestamp.

