NAME

mysql_install_db − initialize MariaDB data directory

SYNOPSIS

mysql_install_db [*options*]

DESCRIPTION

mysql_install_db initializes the MariaDB data directory and creates the system tables that it contains, if they do not exist.

To invoke **mysql_install_db**, use the following syntax:

shell> **mysql_install_db** [*options*]

Because the MariaDB server, **mysqld**, needs to access the data directory when it runs later, you should either run **mysql_install_db** from the same account that will be used for running **mysqld** or run it as root and use the **−−user** option to indicate the user name that **mysqld** will run as. It might be necessary to specify other options such as **−−basedir** or **−−datadir** if **mysql_install_db** does not use the correct locations for the installation directory or data directory. For example:

shell> **bin/mysql_install_db −−user=mysql **
**−−basedir=/opt/mysql/mysql **
−−datadir=/opt/mysql/mysql/data

mysql_install_db needs to invoke **mysqld** with the **−−bootstrap** and **−−skip−grant−tables** options (see Section 2.3.2, "Typical configure Options"). If MariaDB was configured with the **−−disable−grant−options** option, **−−bootstrap** and **−−skip−grant−tables** will be disabled. To handle this, set the MYSQLD_BOOTSTRAP environment variable to the full path name of a server that has all options enabled. **mysql_install_db** will use that server.

mysql_install_db supports the following options, which can be specified on the command line or in the [mysql_install_db] and (if they are common to **mysqld**) [mysqld] option file groups.

- **−−basedir=***path*

  The path to the MariaDB installation directory.
- **−−builddir=***path*

  If using **--srcdir** with out-of-directory builds, you will need to set this to the location of the build directory where built files reside..
- **−−cross−bootstrap**

  For internal use. Used when building the MariaDB system tables on a different host than the target..
- **−−datadir=***path*, **−−ldata=***path*

  The path to the MariaDB data directory.
- **−−defaults−extra−file=***filename*

  Set *filename* as the file to read default options from after the global defaults files has been read. Must be given as first option.
- **−−defaults−file=***filename*

  Set *filename* as the file to read default options from, override global defaults files. Must be given as first option.
- **−−defaults−group−suffix=***name*

  In addition to the given groups, also read groups with this suffix.
- **−−force**

  Cause **mysql_install_db** to run even if DNS does not work. In that case, grant table entries that normally use host names will use IP addresses.
- **−−help**

  Display a help message and exit.

- **−−no−defaults**

  Do not read default options from any option file. This must be given as the first argument.
- **−−print−defaults**

  Print the program argument list and exit. This must be given as the first argument.
- **−−rpm**

  For internal use. This option is used by RPM files during the MariaDB installation process.
- **−−skip−name−resolve**

  Use IP addresses rather than host names when creating grant table entries. This option can be useful if your DNS does not work.
- **−−srcdir=***path*

  For internal use. The directory under which **mysql_install_db** looks for support files such as the error message file and the file for populating the help tables.4.
- **−−user=***user_name*

  The login user name to use for running **mysqld**. Files and directories created by **mysqld** will be owned by this user. You must be root to use this option. By default, **mysqld** runs using your current login name and files and directories that it creates will be owned by you.
- **−−verbose**

  Verbose mode. Print more information about what the program does.
- **−−windows**

  For internal use. This option is used for creating Windows distributions.

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SEE ALSO

For more information, please refer to the MariaDB Knowledge Base, available online at https://mariadb.com/kb/

AUTHOR

MariaDB Foundation (http://www.mariadb.org/).