NAME

      mysql_install_db - initialize MySQL data directory

SYNOPSIS

      mysql_install_db [*options*]

DESCRIPTION

      mysql_install_db initializes the MySQL data directory and creates the system tables that it contains, if they do not exist. **mysql_install_db** is a shell script and is available only on Unix platforms. (As of MySQL 5.6, **mysql_install_db** is a Perl script and can be used on any system with Perl installed.)

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

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

      Because the MySQL server, **mysqld**, must access the data directory when it runs later, you should either run **mysql_install_db** from the same system account that will be used for running **mysqld**, or run it as root and specify 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> **scripts/mysql_install_db --user=mysql**
      --basedir=/opt/mysql/mysql
      --datadir=/opt/mysql/mysql/data

          Note
          If you have set a custom TMPDIR environment variable when performing the installation, and the specified directory is not accessible, **mysql_install_db** may fail. If so, unset TMPDIR or set TMPDIR to point to the system temporary directory (usually /tmp).

      mysql_install_db supports the following options, which can be specified on the command line or in the [mysql_install_db] group of an option file. (Options that are common to **mysqld** can also be specified in the [mysqld] group.) Other options are passed to **mysqld**. For information about option files used by MySQL programs, see Section 4.2.6, "Using Option Files".

      • **--help**

        Display a help message and exit.

      • **--basedir=***dir_name*

        The path to the MySQL installation directory.

      • **--builddir=***dir_name*

        For use with **--srcdir** and out-of-source builds. Set this to the location of the directory where the built files reside.

      • **--cross-bootstrap**

        For internal use. This option is used for building system tables on one host intended for another.

      • **--datadir=***dir_name*

        The path to the MySQL data directory.

      • **--defaults-extra-file=***file_name*

        Read this option file after the global option file but (on Unix) before the user option file. If the file does not exist or is otherwise inaccessible, an error occurs. *file_name* is interpreted relative to the current directory if given as a relative path name rather than a full path name.

      • **--defaults-file=***file_name*

        Use only the given option file. If the file does not exist or is otherwise inaccessible, an error occurs. *file_name* is interpreted relative to the current directory if given as a relative path

name rather than a full path name.

- **--force**

  Cause **mysql_install_db** to run even if DNS does not work. Grant table entries normally created using host names will use IP addresses instead.

- **--ldata=**_dir_name_

  A synonym for **--datadir**.

- **--no-defaults**

  Do not read any option files. If program startup fails due to reading unknown options from an option file, **--no-defaults** can be used to prevent them from being read.

- **--rpm**

  For internal use. This option is used during the MySQL installation process for install operations performed using RPM packages.

- **--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=**_dir_name_

  For internal use. This option specifies 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.

- **--user=**_user_name_

  The system (login) user name to use for running **mysqld**. Files and directories created by **mysqld** will be owned by this user. You must be the system root user 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 MySQL Reference Manual, which may already be installed locally and which is also available online at http://dev.mysql.com/doc/.

AUTHOR

Oracle Corporation (http://dev.mysql.com/).