NAME

DBSchemaTablesToTextFiles.pl - Export table data from database SchemaName(s) into CSV/TSV text files

SYNOPSIS

DBSchemaTablesToTextFiles.pl SchemaName(s)...

DBSchemaTablesToTextFiles.pl [-d, --dbdriver mysql | Oracle| Postgres or Pg] [--dbhost hostname] [--dbname databasename] [--dbpassword password] [--dbusername username] [--exportdatalabels yes | no] [--exportlobs yes | no] [-h, --help] [-m, --mode exportdata | describetable] [-n, --numoutfilesmode single | multiple] [-o, --overwrite] [--outdelim comma | tab | semicolon] [-q, --quote yes | no] [-r, --root rootname] [--replacenullstr string] [-w --workingdir dirname] SchemaName(s)...

DESCRIPTION

Export table data from database SchemaName(s) into CSV/TSV text files. Use -n --numoutfiles option to control the number of text files generated for a database schema.

OPTIONS

-d, --dbdriver *mysql* | *Oracle* | *Postgres or Pg*

Database driver name. Possible values: *mysql, Oracle, Postgres or Pg*. Default: *MySQL* or value of environment variable DBI_DRIVER. This script has only been tested with MySQL, Oracle and PostgreSQL drivers.

--dbhost *hostname*

Database host name. Default: *127.0.0.1* for both MySQL and Oracle. For remote databases, specify complete remote host domain: *dbhostname.org* or something like it.

--dbname *databasename*

Database name. Default: mysql for MySQL, postgres for PostgreSQL and none for Oracle. For connecting to local/remote Oracle databases, this value can be left undefined assuming --dbhost is correctly specified.

--dbpassword *password*

Database user password. Default: *none* and value of environment variable DBI_PASS is used for connecting to database.

--dbusername *username*

Database user name. Default: *none* and value of environment variable DBI_USER is used for connecting to database.

--exportdatalabels *yes* | *no*

This option is mode specific and controls exporting of column data labels during exportdata mode. Possible values: *yes or no*. Default: *yes*.

--exportlobs *yes* | *no*

This option is mode specific and controls exporting of CLOB/BLOB or BYTEA data columns during exportdata mode. Possible values: *yes or no*. Default: *no*.

-h, --help

Print this help message.

-m, --mode *exportdata* | *describetable*

Data selection criterion from database. Possible values: *exportdata or describetable*. Default value: *exportdata*.

-n, --numoutfilesmode *single* | *multiple*

Number of CSV/TSV output files to generate: combine output into one file or generate a different file for each table in a schema. Possible values: *single or multiple*. Default: *single*.

In a single output file, data for different tables is separated by a blank line.

Single outfile option in *exportdata* mode is quite useful for exporting data from all tables in specifed schemas to one file which can be used for migrating data to another database or simply provide a backup of data; during *describetable* mode, it provides a means to collect information about columns of all schema tables which can help in creation of these tables on a different database server.

-o, --overwrite

Overwrite existing files.

--outdelim *comma* | *tab* | *semicolon*

Output text file delimiter. Possible values: *comma, tab, or semicolon*. Default value: *comma*

-q, --quote *yes* | *no*

Put quotes around column values in output text file. Possible values: *yes or no*. Default value: *yes*.

-r, --root *rootname*

New file name is generated using the root:<Root>.<Ext> and <Root><TableName>.<Ext> for *single* and *multiple* -n --numoutfiles option values. Default file name for *single* -n --numoutfiles option value: <Mode>SchemaTables.<Ext>. Default file names for *multiple* -n --numoutfiles value: <Mode><SchemaName><TableName>.<Ext>. Based on -m --mode option, *Export* or *Describe* <Mode> value is used. The csv and tsv <Ext> values are used for comma/semicolon, and tab delimited text files respectively. This option is ignored for multiple input schema names.

--replacenullstr *string*

Replace NULL or undefined row values with specified value. Default: *none*.

For importing output text files into MySQL database using "load data local infile '<tablename>.tsv' into table <tablename>" command, use *--raplacenullstr "NULL"* in conjunction with *--exportdatalabels no*, *--quote no*, and *--outdelim tab* options: it'll generate files for direct import into MySQL assuming tables already exists.

-w --workingdir *dirname*

Location of working directory. Default: current directory.

EXAMPLES

To export data in all tables from mysql schema on a MySQL server running on a local machine using username/password from DBI_USER and DBI_PASS environmental variables, type:

```
% DBSchemaTablesToTextFiles.pl mysql
```

To describe all tables in mysql and test schemas on a MySQL server running on a remote machine using explicit username/password and capturing the ouput into a DescribeTables.csv file, type:

```
% DBSchemaTablesToTextFiles.pl --dbdriver mysql --dbuser <name>
  --dbpassword <pasword> --dbname mysql --dbhost
  <mysqlhostname.org> -r DescribeTable -m describetable
  -o mysql test
```

To describe all tables in SCOTT schema in Oracle running on a remote machine using explicit username/password and capturing the ouput into a DescribeAllTable.tsv file, type:

```
% DBSchemaTablesToTextFiles.pl --dbdriver Oracle --dbuser <name>
  --dbpassword <pasword> --dbhost <oraclehostname.com>
  -r DescribeAllTable -m describetable --outdelim tab --quote no
  -o SCOTT
```

To export data in all tables in mysql and test schemas on a MySQL server running at a local machine using explicit username/password and capturing the data in TSV file for each table with empty values substitued with NULL and clob/blob data, type:

```
% DBSchemaTablesToTextFiles.pl --dbdriver Oracle --dbuser <name>
  --dbpassword <pasword> -r ExportTables --outdelim tab --quote no
  --replacenullstr "NULL" -m exportdata --exportlobs no  --numoutfiles
  multiple -o user user_info
```

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SEE ALSO

DBSQLToTextFiles.pl, DBTablesToTextFiles.pl

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