# [MySQL - ERROR 1045 (28000): Access denied for user](http://dba.stackexchange.com/questions/38803/mysql-error-1045-28000-access-denied-for-user)

# The reason you could not login as repl@'%' has to do with [MySQL's user authentication protocol](http://dba.stackexchange.com/questions/10852/mysql-error-access-denied-for-user-alocalhost-using-password-yes/10897#10897). It does not cover patterns of users as one would believe.

Look at how you tried to logged in

mysql -u repl -p123

Since you did not specify an IP address, mysql assumes host is localhost and tries to connect via the socket file. This is why the error message says Access denied for user 'repl'@'localhost' (using password: YES).

One would think repl@'%' would allow repl@localhost. According to how [MySQL perform user authentication](http://dba.stackexchange.com/questions/10852/mysql-error-access-denied-for-user-alocalhost-using-password-yes/10897#10897), that will simply never happen. Would doing this help ?

mysql -u repl -p123 -h127.0.0.1

Believe it or not, mysql would attempt repl@localhost again. Why? The mysql client sees 127.0.0.1 and tries the socket file again.

Try it like this:

mysql -u repl -p123 -h127.0.0.1 --protocol=tcp

This would force the mysql client to user the TCP/IP protocol explicitly. It would then have no choice but to user repl@'%'.

EX: backing up a database named skengo(has to be already created). remotely

mysql -u root -p skengo < WorkingSkengoDBMay2016.sql -h127.0.0.1 --protocol=tcp

**Backup any mysql databases(If on your machine, Do this after you run after this checklist)**

EX: backing up a database named wordpress(has to be already created). **remotely**

$mysql -u root -p skengo < WorkingSkengoDBMay2016.sql -h127.0.0.1 --protocol=tcp

Dump one database

$mysqldump database\_name > database\_name.sql

Dump all databases

$mysqldump --all-databases > all\_databases.sql

**Restore Database( Might have to exists already, just create empty database)**

$mysql database\_name < database\_name.sql