

# MySQL Sakai database for Sakai 12

## [Sakai 12 database support details](#)

Make sure to include a MySQL connector jar in your CATALINA\_HOME/lib.

Create a Sakai database with a default character set of UTF-8. Create a user account to which you will assign all permissions.

Use any database name and username you wish and then update your sakai.properties file (or even better, create a local.properties file, which has precedence).

In the example below the database is named "sakaidatabase" and the user account is "sakaiuser".

Excerpt from sakai.properties

```
username@javax.sql.DataSource=sakaiuser  
password@javax.sql.DataSource=sakaipassword
```

## MySQL settings

```
vendor@org.sakaiproject.db.api.SqlService=mysql  
driverClassName@javax.sql.DataSource=com.mysql.jdbc.Driver  
hibernate.dialect=org.hibernate.dialect.MySQL5InnoDBDialect  
url@javax.sql.DataSource=jdbc:mysql://127.0.0.1:3306/sakaidatabase?useUnicode=true&characterEncoding=UTF-8  
validationQuery@javax.sql.DataSource=  
defaultTransactionIsolationString@javax.sql.DataSource=TRANSACTION_READ_COMMITTED
```

```
mysql -u root -p  
Enter password:  
Welcome to the MySQL monitor.  Commands end with ; or \g.  
Your MySQL connection id is 272  
  
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and you are welcome to modify and redistribute it under the GPL v2 license  
  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
mysql> create database sakai default character set utf8;  
Query OK, 1 row affected (0.00 sec)  
  
mysql> grant all on sakai.* to sakaiuser@'localhost' identified by 'sakaipassword';  
Query OK, 0 rows affected (0.00 sec)  
  
mysql> grant all on sakai.* to sakaiuser@'127.0.0.1' identified by 'sakaipassword';  
Query OK, 0 rows affected (0.00 sec)  
  
mysql> flush privileges;  
Query OK, 0 rows affected (0.00 sec)  
  
mysql> quit
```