# User Management & Access Control

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#### **Topics**

- Creating users
- Granting and revoking access rights (privileges)

## Creating Users

#### Creating a new User

- A MySQL account is defined in terms of a user name and the client host or hosts from which the user can connect to the server
  - 'sangshin'@'localhost'
- The account also has a password.
- No relationship with username/password of the operating system
- Each account (user) has associated privileges (access rights)

#### **Creating and Dropping a User**

```
mysql> CREATE USER 'dummyuser'@'localhost'
-> IDENTIFIED By 'mypassword';
Query OK, 0 rows affected (0.24 sec)
```

mysql> DROP USER 'dummyuser'@'localhost'; Query OK, 0 rows affected (0.06 sec)

# Granting & Revoking Privileges (Access rights)

#### **Granting Access Rights (Privileges)**

```
mysql> GRANT SELECT on mydb.person
 -> TO 'sangshin'@'localhost' IDENTIFIED BY 'mypassword';
Query OK, 0 rows affected (0.06 sec)
mysql> GRANT INSERT, UPDATE on mydb.person
 -> TO 'sangshin'@'localhost' IDENTIFIED BY 'mypassword';
Query OK, 0 rows affected (0.00 sec)
mysql> SHOW GRANTS FOR 'sangshin'@'localhost'\G
Grants for sangshin@localhost: GRANT USAGE ON *.* TO
'sangshin'@'localhost' IDENTIFIED BY PASSWORD '
*FABE5482D5AADF36D028AC443D117BE1180B9725'
Grants for sangshin@localhost: GRANT SELECT, INSERT, UPDATE ON
`mydb`.`person` TO 'sangshin'@'localhost'
2 rows in set (0.00 sec)
```

#### Revoking Access Rights (Privileges)

mysql> REVOKE INSERT, UPDATE ON mydb.person -> FROM 'sangshin'@'localhost';
Query OK, 0 rows affected (0.01 sec)

### Thank you!

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