

Security

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Chapter 21

<http://dev.mysql.com/doc/refman/5.1/en/privilege-system.html>

Security

- Secrecy
- Integrity
- Availability

phpMyAdmin

User 'chadd'@'%' : Edit Privileges

Global privileges (Check All / Uncheck All)

Note: MySQL privilege names are expressed in English

Data

- SELECT
- INSERT
- UPDATE
- DELETE
- FILE

Structure

- CREATE
- ALTER
- INDEX
- DROP
- CREATE TEMPORARY TABLES
- CREATE VIEW
- SHOW VIEW
- CREATE ROUTINE
- ALTER ROUTINE
- EXECUTE

Administration

- GRANT
- SUPER
- PROCESS
- RELOAD
- SHUTDOWN
- SHOW DATABASES
- LOCK TABLES
- REFERENCES
- REPLICATION CLIENT
- REPLICATION SLAVE
- CREATE USER

Also: Resource Limits

12.5.1.3. GRANT Syntax

GRANT

```
priv_type [(column list)]
[, priv_type [(column list)]] ...
ON [object_type] priv_level
TO user [IDENTIFIED BY [PASSWORD] 'password']
[, user [IDENTIFIED BY [PASSWORD] 'password']] ...
[REQUIRE {NONE | ssl_option [[AND] ssl_option] ...}]
[WITH with_option [with_option] ...]
```

object_type:

```
TABLE
| FUNCTION
| PROCEDURE
```

priv_level:

```
*
| *.*
| db_name.*
| db_name.tbl_name
| tbl_name
| db_name.routine_name
```

Also: Resource Limits

<http://dev.mysql.com/doc/refman/5.1/en/grant.html>

Opposite of Grant...

12.5.1.5. REVOKE Syntax

```
REVOKE
```

```
  priv_type [(column list)]  
  [, priv_type [(column list)]] ...  
ON [object_type] priv_level  
FROM user [, user] ...
```

```
REVOKE ALL PRIVILEGES, GRANT OPTION  
FROM user [, user] ...
```

Other types of security

- Encryption
- SSL certificate
- Digital Signature