

1 Manipulace s daty

Podíváme se na příkazy:

- **INSERT**
- UPDATE
- DELETE
- **REPLACE**
- IGNORE
- TRUNCATE
- Praktiky mazání

1.1 INSERT

1.1.1 Teorie

Začneme vkládáním. Příkaz se jmenuje INSERT.

- INSERT VALUES
 - Vloží jen jeden záznam
- INSERT SELECT
 - Například vpro vložení dat z jiné tabulky
 - Tj. to co jsme získaly pomocí příkazu select můžeme vložit do tabulky (případně dočasné ... o té se budeme ještě bavit)

1.1.2 Syntaxe

```
INSERT [LOW_PRIORITY | DELAYED | HIGH_PRIORITY] [IGNORE]

[INTO] tbl_name
[PARTITION (partition_name,...)]
[ (col_name,...)]
{VALUES | VALUE} ({expr | DEFAULT},...), (...), ...
[ ON DUPLICATE KEY UPDATE
  col_name=expr
  [, col_name=expr] ... ]
```

Or:

```
INSERT [LOW_PRIORITY | DELAYED | HIGH_PRIORITY] [IGNORE]

[INTO] tbl_name
[PARTITION (partition_name,...)]
SET col_name={expr | DEFAULT}, ...
[ ON DUPLICATE KEY UPDATE
  col_name=expr
  [, col_name=expr] ... ]
```

Or:

```
INSERT [LOW_PRIORITY | HIGH_PRIORITY] [IGNORE]

[INTO] tbl_name
[PARTITION (partition_name,...)]
[ (col_name,...)]
SELECT ...
[ ON DUPLICATE KEY UPDATE
  col_name=expr
```

```
[, col_name=expr] ... ]
```

1.2 UPDATE

1.2.1 Syntaxe

Single-table syntax:

```
UPDATE [LOW_PRIORITY] [IGNORE] table_reference  
  SET col_name1={expr1|DEFAULT} [, col_name2={expr2|DEFAULT}] ...  
  [WHERE where_condition]  
  [ORDER BY ...]  
  [LIMIT row_count]
```

Multiple-table syntax:

```
UPDATE [LOW_PRIORITY] [IGNORE] table_references  
  SET col_name1={expr1|DEFAULT} [, col_name2={expr2|DEFAULT}] ...  
  [WHERE where_condition]
```

1.3 DELETE

1.3.1 Single-Table Syntax

```
DELETE [LOW_PRIORITY] [QUICK] [IGNORE] FROM tbl_name  
  [PARTITION (partition_name,...)]  
  [WHERE where_condition]  
  [ORDER BY ...]  
  [LIMIT row_count]
```

1.3.2 Multiple-Table Syntax

```
DELETE [LOW_PRIORITY] [QUICK] [IGNORE]  
  
  tbl_name[.*] [, tbl_name[.*]] ...  
FROM table_references  
  [WHERE where_condition]
```

Or:

```
DELETE [LOW_PRIORITY] [QUICK] [IGNORE]  
  FROM tbl_name[.*] [, tbl_name[.*]] ...  
  USING table_references  
  [WHERE where_condition]
```