

# Nekonzistence collations (MySQL, MariaDB)



## Otázka

Co mám dělat, když mám v databázi nekonzistenci collations (MySQL, MariaDB)?

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## Odpověď

**Následující platí jen pro MySQL a MariaDB databázi :**

Od verze 8.2 musí být collation schématu konzistentní s collation jednotlivých tabulek a sloupců jinak Infoport nedovolí zmigrovat. Admin databáze musí sjednotit collation na schématu.

Pro zobrazení collation na sloupečkách použijte query:

```
SELECT DISTINCT COLLATION_NAME
```

```
FROM information_schema.columns
```

```
WHERE TABLE_SCHEMA = 'schemaName' AND TABLE_NAME <> '.__EfMigrationsHistory' AND  
COLLATION_NAME IS NOT null
```

Pro zobrazení collation na tabulkách použijte query:

```
SELECT DISTINCT TABLE_COLLATION  
  
FROM information_schema.`TABLES`  
  
WHERE TABLE_SCHEMA = 'schemaName' AND TABLE_NAME <> '.__EfMigrationsHistory'
```

Pro zobrazení collation na schématu použijte query:

```
SELECT DEFAULT_COLLATION_NAME  
  
FROM information_schema.SCHEMATA  
  
WHERE SCHEMA_NAME = 'schemaName' AND TABLE_NAME <> '.__EfMigrationsHistory'
```

Pro zobrazení tabulek, sloupců a jejich collation použijte query:

```
SELECT TABLE_NAME, COLUMN_NAME, COLLATION_NAME  
  
FROM information_schema.columns  
  
WHERE TABLE_SCHEMA = 'schemaName'  
  
AND COLLATION_NAME IS NOT NULL  
  
AND TABLE_NAME <> '.__EfMigrationsHistory'  
  
GROUP BY TABLE_NAME, COLUMN_NAME, COLLATION_NAME
```

Sjednotte prosím collation a znovu spusťte Infoport.

Pro sjednocení můžete použít tyto scripty:

Pro každou tabulku:

```
SELECT CONCAT('ALTER TABLE `', TABLE_NAME,  
' ` CONVERT TO CHARACTER SET utf8mb4 COLLATE utf8mb4_unicode_ci;')
```

```
AS 'USE `DATABASE_NAME`';  
FROM INFORMATION_SCHEMA.TABLES  
WHERE TABLE_SCHEMA = 'DATABASE_NAME'  
AND TABLE_TYPE LIKE 'BASE TABLE'
```

Pro každý sloupec:

```
SELECT CONCAT('ALTER TABLE `', TABLE_NAME, '` MODIFY COLUMN `', COLUMN_NAME, '` ',  
DATA_TYPE, IF(CHARACTER_MAXIMUM_LENGTH IS NULL  
OR DATA_TYPE LIKE 'longtext', '', CONCAT('(', CHARACTER_MAXIMUM_LENGTH,  
''))  
, ' COLLATE utf8mb4_unicode_ci;') AS 'USE `DATABASE_NAME`';  
FROM INFORMATION_SCHEMA.COLUMNS  
WHERE TABLE_SCHEMA = 'DATABASE_NAME'  
AND (SELECT INFORMATION_SCHEMA.TABLES.TABLE_TYPE  
FROM INFORMATION_SCHEMA.TABLES  
WHERE INFORMATION_SCHEMA.TABLES.TABLE_SCHEMA =  
INFORMATION_SCHEMA.COLUMNS.TABLE_SCHEMA  
AND INFORMATION_SCHEMA.TABLES.TABLE_NAME =  
INFORMATION_SCHEMA.COLUMNS.TABLE_NAME  
LIMIT 1) LIKE 'BASE TABLE'  
AND DATA_TYPE IN ( 'char', 'varchar' ) /* include other types if necessary */
```

Pro více informací se obraťte na nás helpdesk <https://www.dphelpdesk.cz/> .

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