Nekonzistence collations (MySQL, MariaDB)



Otázka

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

Odpověď

Nasledující 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
```

Sjednoťte 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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