

MyISAM

Sylvain ARBAUDIE · 2025-08-04

- MYSQL
- MYISAM
- INNODB
- MIGRATION

MYISAM IS DEPRECATED — TIME TO MIGRATE

ALTER TABLE ... ENGINE=InnoDB; — the best query you'll run this week



```
ALTER TABLE `mydb`.`mytable` ENGINE = InnoDB;
```

mysql system DB migrated Temp tables migrated Zero reasons to stay
 MyISAM deprecated — InnoDB is the only path forward

Introduction

MyISAM is a storage engine for MariaDB / MySQL. It is deprecated and will be removed in future versions.

mysql MyISAM MyISAM MySQL

Why MyISAM?

MyISAM is a storage engine for MariaDB / MySQL.

MyISAM is used in MySQL 5.5 (2010) and is still used in many web applications like WordPress, Joomla, Drupal, phpBB, etc.

MyISAM is a storage engine for MariaDB / MySQL.

- .MYD .MYI files
- MyISAM tables
- MyISAM InnoDB
- MyISAM 512 MB

InnoDB is a storage engine for MariaDB / MySQL.

Conclusion

MyISAM

MyISAM ACID BEGIN COMMIT ROLLBACK

MyISAM

MyISAM InnoDB

MyISAM

MyISAM

MyISAM

MyISAM mysql REPAIR TABLE

MyISAM

MyISAM

MyISAM

MyISAM InnoDB

MyISAM

```
SELECT table_schema, table_name, engine, table_rows,
       ROUND(data_length / 1024 / 1024, 2) AS data_mb
FROM information_schema.tables
WHERE engine = 'MyISAM'
      AND table_schema NOT IN ('mysql', 'information_schema',
                              'performance_schema', 'sys')
ORDER BY data_length DESC;
```

MyISAM

```
ALTER TABLE mydb.mytable ENGINE = InnoDB;
```

MariaDB / MySQL InnoDB

MyISAM

MyISAM FULLTEXT

MyISAM FULLTEXT InnoDB MySQL 5.6 / MariaDB 10.0 FULLTEXT

MERGE MyISAM InnoDB

* WHERE COUNT(MyISAM `SELECT FROM table InnoDB UNLOCK`)

InnoDB MyISAM 1.5 2 MVCC

MyISAM

MyISAM

```
-- ALTER TABLE  
SELECT CONCAT('ALTER TABLE `', table_schema,`.`', table_name,  
             '` ENGINE=InnoDB;') AS migration_sql  
FROM information_schema.tables  
WHERE engine = 'MyISAM'  
     AND table_schema NOT IN ('mysql', 'information_schema',  
                             'performance_schema', 'sys')  
ORDER BY data_length ASC;
```

InnoDB

InnoDB

InnoDB

```
# my.cnf  
[mysqld]  
default_storage_engine = InnoDB  
innodb_buffer_pool_size = 70% # 70%  
innodb_log_file_size = 256M #  
innodb_flush_log_at_trx_commit = 1 #
```

MyISAM

```
skip-external-locking  
key_buffer_size = 8M #
```



MyISAM []

[] MyISAM [] MyISAM []

ALTER TABLE ... ENGINE=InnoDB; -- []

Medium []