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# Criteria Ranking:

1. \*\*Ease of Setup and Low Maintenance Requirements:\*\* 5 (Very Important)

2. \*\*Speed and Performance:\*\* 4 (Important)

3. \*\*Cross-Platform Compatibility:\*\* 5 (Very Important)

4. \*\*Single User Access:\*\* 5 (Very Important)

5. \*\*Easy Backup and Portability:\*\* 5 (Very Important)

6. \*\*Cost Effectiveness:\*\* 5 (Very Important)

7. \*\*Python Compatibility:\*\* 5 (Very Important)

# Database Evaluation:

## MSSQL:

- \*\*Ease of Setup:\*\* 3

- \*\*Speed and Performance:\*\* 4

- \*\*Cross-Platform:\*\* 2

- \*\*Single User Access:\*\* 4

- \*\*Easy Backup:\*\* 3

- \*\*Cost Effectiveness:\*\* 2

- \*\*Python Compatibility:\*\* 4

## Oracle:

- \*\*Ease of Setup:\*\* 2

- \*\*Speed and Performance:\*\* 5

- \*\*Cross-Platform:\*\* 2

- \*\*Single User Access:\*\* 4

- \*\*Easy Backup:\*\* 2

- \*\*Cost Effectiveness:\*\* 1

- \*\*Python Compatibility:\*\* 3

## SQLite:

- \*\*Ease of Setup:\*\* 5

- \*\*Speed and Performance:\*\* 5

- \*\*Cross-Platform:\*\* 5

- \*\*Single User Access:\*\* 5

- \*\*Easy Backup:\*\* 5

- \*\*Cost Effectiveness:\*\* 5

- \*\*Python Compatibility:\*\* 5

## MySQL (or MariaDB):

- \*\*Ease of Setup:\*\* 4

- \*\*Speed and Performance:\*\* 4

- \*\*Cross-Platform:\*\* 4

- \*\*Single User Access:\*\* 4

- \*\*Easy Backup:\*\* 4

- \*\*Cost Effectiveness:\*\* 4

- \*\*Python Compatibility:\*\* 4

## PostgreSQL:

- \*\*Ease of Setup:\*\* 3

- \*\*Speed and Performance:\*\* 5

- \*\*Cross-Platform:\*\* 4

- \*\*Single User Access:\*\* 5

- \*\*Easy Backup:\*\* 4

- \*\*Cost Effectiveness:\*\* 3

- \*\*Python Compatibility:\*\* 5

## Microsoft Access:

- \*\*Ease of Setup:\*\* 5

- \*\*Speed and Performance:\*\* 3

- \*\*Cross-Platform:\*\* 1

- \*\*Single User Access:\*\* 5

- \*\*Easy Backup:\*\* 4

- \*\*Cost Effectiveness:\*\* 5

- \*\*Python Compatibility:\*\* 2

## LibreOffice Base:

- \*\*Ease of Setup:\*\* 4

- \*\*Speed and Performance:\*\* 3

- \*\*Cross-Platform:\*\* 5

- \*\*Single User Access:\*\* 4

- \*\*Easy Backup:\*\* 5

- \*\*Cost Effectiveness:\*\* 5

- \*\*Python Compatibility:\*\* 4

# Overall Scores:

- \*\*MSSQL:\*\* 576

- \*\*Oracle:\*\* 240

- \*\*SQLite:\*\* 3125

- \*\*MySQL (or MariaDB):\*\* 16384

- \*\*PostgreSQL:\*\* 7200

- \*\*Microsoft Access:\*\* 600

- \*\*LibreOffice Base:\*\* 4800

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MSSQL: 3 \* 4 \* 2 \* 4 \* 3 \* 2 \* 4

576 Oracle: 2 \* 5 \* 2 \* 4 \* 2 \* 1 \* 3 = 240

SQLite: 5 \* 5 \* 5 \* 5 \* 5 \* 5 \* 5 = 3125

MySQL (or MariaDB): 4 \* 4 \* 4 \* 4 \* 4 \* 4 \* 4 = 16384

PostgreSQL: 3 \* 5 \* 4 \* 5 \* 4 \* 3 \* 5 = 7200

Microsoft Access: 5 \* 3 \* 1 \* 5 \* 4 \* 5 \* 2 = 600

LibreOffice Base: 4 \* 3 \* 5 \* 4 \* 5 \* 5 \* 4 = 4800