



Data-at-Rest Encryption

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- From MariaDB 10.1
- Encryption keys should be stored on another system



Encryption

- For Security
- overhead of roughly 3-5%

Encryption target

- Everything — all databases (with all tables)
- Individual tables
- Everything, excluding individual tables

Limitations

- Only **data** and only **at rest**
- Only the MariaDB server knows how to decrypt the data
- fully supported for the [InnoDB](#), Aria (only for tables created with row_format=page)

Encryption Key Management

- File Key Management Plugin
- AWS Key Management Plugin
- Eperi Key Management Plugin
- Hashicorp Key Management Plugin

File Key Management Plugin

- The easiest one
- Reads encryption keys from a plain-text file
- It supports multiple encryption keys
- It does **not** support key rotation
- It supports two different algorithms for encrypting data.