Megaladata File (MGD File)

Megaladata File (`.mgd`) is a proprietary data file format specially designed for use with the Megaladata platform.

Performance benefits

Using the MGD format provides significant speed advantages for data import and export because:

- It requires minimal data transformation when reading or writing.
- Its performance is primarily limited by disk speed rather than data volume, unlike many other formats.

Key features

- **Self-contained metadata:** An MGD file stores all necessary information about its contents (field names, captions, data types, etc.), allowing for import and export with minimal configuration.
- **Compression options:** Users can reduce file size by enabling compression during import or export.

Compression algorithms

Megaladata supports two compression algorithms, each with different trade-offs:

- LZ4:
  - **Speed:** Up to 10% faster writing and 40% faster reading compared to LZO.
  - **Checksums:** Supports checksum validation for data blocks and the entire file content.
- LZO:
  - **File size:** Offers a higher compression ratio, resulting in file sizes approximately 9-10% smaller than those compressed with LZ4.

Availability and use

We recommend using MGD files to store intermediary calculations and speed up your workflows. This format is fully supported in all Megaldata editions, including Community.

Read on: Scheduled Start