**Metada Format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| |  | | --- | | **Field Name** | | **Data Type** | **Size (Bytes)** | **Description** |
| Magic | char [4] | 4 | Unique system signature to identify protected files. |
| File\_id | UUID (char [16]) | 16 | Unique file identifier assigned upon registration |
| Hash | Unit8\_t[32] | 32 | SHA-256 hash of the first and last original rows (before metada) |
| Owner\_id | Unit32\_t | 4 | User ID of the file owner |
| ACL | Unit8\_t | 1 | Access control |
| Timestamp | Unit64\_t | 8 | File registration timestamp |
| Reserved | Char[4] | 4 | Reserved space for future use |