

Traditional-format messages have these fields:

```
time thread [label] [err_code] [subsystem] msg
```

The `[` and `]` square bracket characters are literal characters in the message format. They do not indicate that fields are optional.

The `label` value corresponds to the string form of the `prio` error event priority field.

The `[err_code]` and `[subsystem]` fields were added in MySQL 8.0. They are missing from logs generated by older servers. Log parsers can treat these fields as parts of the message text that is present only for logs written by servers recent enough to include them. Parsers must treat the `err_code` part of `[err_code]` indicators as a string value, not a number, because values such as `MY-012487` and `MY-010051` contain nonnumeric characters.

log_sink_json Output Format

The JSON-format log sink produces messages as JSON objects that contain key-value pairs. For example:

```
{
  "prio": 3,
  "err_code": 10051,
  "source_line": 561,
  "source_file": "event_scheduler.cc",
  "function": "run",
  "msg": "Event Scheduler: scheduler thread started with id 5",
  "time": "2020-08-06T14:25:03.109022Z",
  "ts": 1596724012005,
  "thread": 5,
  "err_symbol": "ER_SCHEDULER_STARTED",
  "SQL_state": "HY000",
  "subsystem": "Server",
  "buffered": 1596723903109022,
  "label": "Note"
}
```

The message shown is reformatted for readability. Events written to the error log appear one message per line.

The `ts` (timestamp) key was added in MySQL 8.0.20 and is unique to the JSON-format log sink. The value is an integer indicating milliseconds since the epoch (`'1970-01-01 00:00:00'` UTC).

The `ts` and `buffered` values are Unix timestamp values and can be converted using `FROM_UNIXTIME()` and an appropriate divisor:

```
mysql> SET time_zone = '+00:00';
mysql> SELECT FROM_UNIXTIME(1596724012005/1000.0);
+-----+
| FROM_UNIXTIME(1596724012005/1000.0) |
+-----+
| 2020-08-06 14:26:52.0050              |
+-----+
mysql> SELECT FROM_UNIXTIME(1596723903109022/1000000.0);
+-----+
| FROM_UNIXTIME(1596723903109022/1000000.0) |
+-----+
| 2020-08-06 14:25:03.1090                  |
+-----+
```

log_sink_syseventlog Output Format

The system log sink produces output that conforms to the system log format used on the local platform.