

Scope	Global
Dynamic	Yes
SET_VAR Hint Applies	No
Type	Enumeration
Default Value	MINIMAL
Valid Values	FULL (All metadata is included) MINIMAL (Limit included metadata)

Configures the amount of table metadata added to the binary log when using row-based logging. When set to [MINIMAL](#), the default, only metadata related to [SIGNED](#) flags, column character set and geometry types are logged. When set to [FULL](#) complete metadata for tables is logged, such as column name, [ENUM](#) or [SET](#) string values, [PRIMARY KEY](#) information, and so on.

The extended metadata serves the following purposes:

- Replicas use the metadata to transfer data when its table structure is different from the source's.
- External software can use the metadata to decode row events and store the data into external databases, such as a data warehouse.
- [binlog_row_value_options](#)

Command-Line Format	--binlog-row-value-options=#
System Variable	binlog_row_value_options
Scope	Global, Session
Dynamic	Yes
SET_VAR Hint Applies	No
Type	Set
Default Value	<code>''</code>
Valid Values	PARTIAL_JSON

When set to [PARTIAL_JSON](#), this enables use of a space-efficient binary log format for updates that modify only a small portion of a JSON document, which causes row-based replication to write only the modified parts of the JSON document to the after-image for the update in the binary log (rather than writing the full document). This works for an [UPDATE](#) statement which modifies a JSON column using any sequence of [JSON_SET\(\)](#), [JSON_REPLACE\(\)](#), and [JSON_REMOVE\(\)](#). If the modification requires more space than the full document, or if the server is unable to generate a partial update, the full document is used instead.

Setting the session value of this system variable is a restricted operation. The session user must have privileges sufficient to set restricted session variables. See [Section 5.1.9.1, “System Variable Privileges”](#).

[PARTIAL_JSON](#) is the only supported value; to unset [binlog_row_value_options](#), set its value to the empty string.

[binlog_row_value_options=PARTIAL_JSON](#) takes effect only when binary logging is enabled and [binlog_format](#) is set to [ROW](#) or [MIXED](#). Statement-based replication *always* logs only the modified parts of the JSON document, regardless of any value set for [binlog_row_value_options](#). To maximize the amount of space saved, use