

Large Persistent State Objects in MySQL Databases

MySQL uses the concept of **communication packets**. A communication packet is a single SQL statement sent to the MySQL server, or a single row that is sent to the client. As per default, communication packets have a maximum size (`max_allowed_packet`) of 4 MB.

When a MySQL server receives a packet bigger than `max_allowed_packet` bytes, it issues an error and closes the connection. In the Bridge service log, you will see something like:

```
[Error][Internal][BESM][12][SQLAPI dbms api error while calling "Commit"
on "PSTATE": 2006 MySQL server has gone away.]
[Fatal][Internal][PSADSM][39][Failed to commit Persistent State object
"00010005a2af43877a3c0000001b" before releasing.]
[Error][Internal][BESM][12][SQLAPI dbms api error while calling "Execute"
on "DELETE ...": 2006 MySQL server has gone away.]
[Error][Internal][BESM][12][SQLAPI dbms api error while calling "Execute"
on "INSERT ...": 2006 MySQL server has gone away.]
[Error][Internal][BESM][12][SQLAPI dbms api error while calling "Execute"
on "UPDATE ...": 2006 MySQL server has gone away.]
```

To fix this, increase `max_allowed_packet` on your installation of MySQL.

Related Documentation:

- [MySQL Reference > Packet Too Large](#)