

ABSTRACT

A transaction processing method and apparatus for a database system, and an electronic device, a computer readable storage medium, and a computer program product. The transaction processing method comprises: determining a concurrent transaction of a target transaction, the concurrent transaction and the target transaction comprising read and write operations acting on a same variable, and the target transaction being a transaction to be submitted (S501); obtaining a first intersection of a read set of the target transaction and a write set of the concurrent transaction, and obtaining a second intersection of a write set of the target transaction and a read set of the concurrent transaction; and when at least one of the first intersection and the second intersection is a non-empty data set and the target transaction conflicts with the concurrent transaction, determining a data exception type on the basis of the number of version changes of the same variable on which the target transaction and the concurrent transaction act and a target variable list, the target variable list comprising the same variable on which the target transaction and the concurrent transaction act (S502).

Fig. 5