

# Transaction number column

For every [table](#) you create, including system tables, Firebird/InterBase® maintains an extra [column](#) for the transaction number. When you insert or update a column as part of a transaction, the transaction number is written to this column, so that Firebird/InterBase® knows which transaction is controlling that [row](#) of the table. Even when you delete a row as part of the transaction, the number is written to the row until the transaction is [committed or rolled back](#), in case there is a problem, or in case the transaction is a lengthy one.

The Firebird/InterBase® versioning engine uses this transaction number to ensure that each user receives a consistent view of the database at a moment in time. This is known as a *repeatable read*.

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