

# Some guidelines on using database fields in ConfiForms

Since version 1.20 ConfiForms enabled new ways of integrations with existing databases. You are now able to create ConfiForms fields which use the database tables as their sources.

Since version 1.22 we have enabled support of database-aware functions to lookup values in DB via ConfiForms Field Definition Rules macro and to create/update records in the database with ConfiForms IFTTT macro.

These are very powerful features and enable us to support larger than ever set of use-cases. But the power comes with responsibilities.

Please have a look at some details we want you to consider.

- When you create a configuration make sure the user account, you use for connecting to database has as less permissions as possible
- When constructing an SQL query to be used with ConfiForms make sure you have a column with a name ID (real or alias) that holds a UNIQUE identifier for the record returned by the query. This is used by ConfiForms to identify the row
- ConfiForms database fields may cause additional load to your database, make sure the SQL queries are optimized and efficient
- Take care of proper escaping of parameters in your queries and SQL injection vulnerabilities. See helper functions in [Virtual functions](#)
- Remove unused configurations, as they may still have active database connection pools
- Restrict usage of your configured connections. ConfiForms has a way to restrict defined database connections and allow usage only to qualified users. This means that the form using such fields can be created by such users only, but used by anyone else (who has page read permissions for the page where form is defined)
- The list is not complete!!! And should not be considered as such

Tutorials on database fields:

- [Database dropdown with extra fields in a table \(TEST\)](#)
  - [dbfields](#)
- [Some guidelines on using database fields in ConfiForms \(ConfiForms\)](#)
  - [dbfields](#)
- [Using ConfiForms Field Definition Rules macro to reduce number of choices in a dropdown field based on the value selected in another field \(ConfiForms\)](#)
  - [dbfields](#)
- [Using Lookup and set a DB value action \(ConfiForms\)](#)
  - [dbfields](#)
- [Working with database fields in ConfiForms \(ConfiForms\)](#)
  - [dbfields](#)
  - [confiforms](#)
- [Working with Dependent DB dropdowns \(ConfiForms\)](#)
  - [dbfields](#)