

# Databinding in Grids

As opposed to Vaadin 7, the 8th version of the framework encourages the more stateless and lean data binding approaches via `DataProvider` interface, which is an API revolving around the abstract query concept: the main thing you have to implement is how to fetch a chunk of data (possibly with some filters/sorters applied).

In order to cater for both `Grid` and `TreeGrid`, `DataProvider` comes in flat and hierarchical incarnations, where the latter is similar to the former with a difference, that the queries are executed against some parent item (aka **child query**).