

FilterUtil – Developers manual

1 Implement FilterUtil to your module

Implementing FilterUtil to your module is very easy. Simply load it and create a new instance by

```
$fu =& new FilterUtil('module', 'table', $config);
```

`$config` is an array of additional configuration attributes:

- **join** An reference to a DBUtil JOIN array. This will be extended by FilterUtil if necessary.
- **varname** The name of the filter variable in the URL. Default: “filter”
- **plugins** The plugin configuration, an array (plugin name => plugin configuration)
Each plugin has it's own configuration.

And then get the result by

```
$res = $fu->getSQL();
```

`$res` is an array of

- **where** The WHERE clause
- **join** A reference to the DBUtil JOIN array

1.1 Plugin configuration

default:

The “default” plugin is used for each field by default. It does not make many sense to configure it.

category:

- **fields** Array of fields to use for category filter. They must not exist in the tables column array.
- **ops** Array of operators to enable (available operators: eq, ne, sub)
- **property** Property name in the category register. Default: “Main”

date:

- **fields** Array of fields to use for category filter. They must not exist in the tables column array.
- **ops** Array of operators to enable (available operators: eq, ne, lt, le, gt, ge)

replaceName:

This plugin allows you to replace the name of fields. E.g. “author” → “cr_uid” or “date” → “cr_date”. Options:

- **pairs** Array of replace pairs (field name => replace with).

2 Functions list

\$fu->setVarName(\$varname)

Set the filter variable name.

\$fu->getFilter()

Get the current filter as FilterUtil filter string.

\$fu->setFilter(\$filter)

Set a filter using the FilterUtil filter string syntax. \$filter can be a string or an array of strings getting connected by “OR”.

\$res = \$fu->getSQL();

Returns the rendered filter for SQL.

\$res is an array of

- where The WHERE clause
- join A reference to the DBUtil JOIN array

3 ToDo:

- Plugin system
- Build a plugin