
OrgViz Documentation

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OrgViz - Browser based app to view org-mode files from different directions

Warning: Work in progress.

In OrgViz, you can...

- View org-mode files in different formats: calendar / table / histogram
- Use rich formatting of web browsers but everything is reachable from keyboard.
- Write complex filter settings in Python.

1.1 Links

- [Documentation](#) (at Read the Docs)
- [Repository](#) (at GitHub)
- [Issue tracker](#) (at GitHub)
- [PyPI](#)
- [Travis CI](#)

1.2 Install

Installing OrgViz is as easy as:

```
pip install orgviz # or
easy_install orgviz
```

If you want to draw graphs, install [matplotlib](#).

1.3 Usage

Use the following command to start OrgViz server and the open <http://127.0.0.1:8000> in your browser:

```
orgviz serve --port 8000 --conf YOUR/CONF/PATH.py
```

If you want to reload server automatically when you rewrite the configuration file, currently you need to add `--debug` option:

```
orgviz serve --debug [OTHER OPTIONS]
```

To quickly checkout what OrgViz can do, simply do:

```
orgviz sample
```

This will make a configuration file and a randomly generated org file in `./sample/` directory and start OrgViz server with them. You can edit the generated org file and see what happens to the pages in OrgViz.

1.3.1 Configuration

Here is a minimal configuration.:

```
ORG_COMMON_FILES = [  
    'PATH/TO/ORG/FILE-1.org',  
    'PATH/TO/ORG/FILE-2.org',  
    # and more...  
]
```

For more options available, see `orgviz/default_config.py`.

1.4 Development

To run from source, use the following commands. You need `coffee`, `wget`, `unzip`, `make` and `git` commands. Also, all the dependencies (see below) must be importable.:

```
git clone git://github.com/tkf/orgviz.git  
cd orgviz  
make build  
python -m orgviz.cli serve [OPTIONS]
```

To run automated testing, run the following command. You need the `tox` command line tool:

```
make test
```

1.5 Dependencies

- `orgparse`
- `Flask`
- `argparse` (Python <= 2.6)

Optional dependencies:

- `matplotlib`

Dependencies for build and test include:

- `coffee`
- `tox`

1.6 License

OrgViz is licensed under the terms of the MIT license (see COPYING).

OrgViz bundles libraries with the following licenses.

- `jQuery` : MIT or GPL v2 license
- `FullCalendar` : MIT or GPL v2 license
- `jQuery Hotkeys` : MIT or GPL v2 license
- `ColorBox` : MIT license
- `Nuvola`: LGPL v2.1

OrgViz configuration

OrgViz configuration file is just a Python file. Only the variables in upper case will be loaded.

```
orgviz.default_config.ORG_USE_CACHE = True
```

Use in-memory cache for org-mode files to improve response speed.

```
orgviz.default_config.ORG_COMMON_FILES = []
```

Common org-mode files.

These files will be included in any view.

```
orgviz.default_config.ORG_CAL_FILES = []
```

Org-mode files to include calendar view.

```
orgviz.default_config.ORG_CAL_FILTERS = []
```

List of (name, function)-pairs to specify events to show in calendar.

The first element of the tuple must be human readable name of filter and the second element must be a callable object (function). Each function must take one `orgviz.event.Event` object and return a bool.

The order of the filters is reflected to the order in the web interface. That's why this option is specified as a list (association list), instead of a dict.

```
orgviz.default_config.ORG_CAL_PERSPECTIVES = [('month', {'event': ['deadline', 'scheduled'], 'view': 'month'})]
```

Calendar perspectives definitions.

To quickly switch events to include, calendar view and filters, you can define perspectives. Perspective is defined in the following format:

```
[('PERSPECTIVE NAME', {
    'event': ['deadline', 'scheduled', ...], # closed/clock/none/...
    'view': 'month', # or agendaWeek/basicWeek/agendaDay/basicDay
    'filter': ['FILTER 1', 'FILTER 2', ...],
  }),
  ...
]
```

See also: [FullCalendar Documentation - Available Views](#)

```
orgviz.default_config.ORG_CAL_EVENT_CLASSIFIER = None
```

A function to define extra eventclass.

The following example defines 'home' event, depending on node tag:

```
def ORG_CAL_EVENT_CLASSIFIER(event):
    if '@home' in event.tags:
        return 'home'
```

`orgviz.default_config.ORG_CAL_ADD_EVENTCLASSES = []`

Extra eventclasses to consider.

Add eventclasses here if you defined `ORG_CAL_EVENT_CLASSIFIER`.

Example:

```
ORG_CAL_ADD_EVENTCLASSES = ['home']
```

`orgviz.default_config.ORG_CAL_ADD_EVENTSOURCES = []`

Extra event sources for FullCalendar.

This is useful for adding events from another servers, such as holidays. For example, to add Japanese holidays you can set it to:

```
[{'url': (
    'https://www.google.com/calendar/feeds'
    '/japanese%40holiday.calendar.google.com/public/basic'),
  'color': '#AB8B00',
  'textColor': '#AB8B00',
  'backgroundColor': 'white',
}]
```

•FullCalendar Documentation - Google Calendar

`orgviz.default_config.ORG_DONES_FILES = []`

Org-mode files to include in done list view.

`orgviz.default_config.ORG_GRAPHS_FILES = []`

Org-mode files to include in graph view.

`orgviz.default_config.ORG_TIMELINE_FILES = []`

Org-mode files to include in timeline view.

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