Scal Documentation

Release 2.3.0

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I use this program about once a year to print a one-page school-year calendar. But it can be used to represent any calendar.

It is heavily inspired by the simple yet powerful Robert Krause's calendar, itself using the complex yet powerful Till Tantau's TikZ LaTeX package.

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CHAPTER

ONE

EXAMPLES

- One-page calendar of a school year
  - English: 2022-2023 (source) ; 2023-2024 (source).
  - French
    - 2022-2023: Zone A (source); Zone B (source); Zone C (source).
    - 2023-2024: Zone A (source); Zone B (source); Zone C (source).
    - 2024-2025: Zone A (source); Zone B (source); Zone C (source).
    - 2025-2026: Zone A (source); Zone B (source); Zone C (source).
- Weekly planners:

How to print those planners?

1. Download the imposed version of the files below (or impose them yourself using pdfimpose and `pdfimpose perfect --group 3 weekly-en-2324.pdf`).
2. Print them, two-sided, not reversed.
3. Fold the sheets, that is:
   1. Take the stack of sheets in front of you, the title page being visible, not upside-down, in the bottom right corner of the sheet.
   2. Take the first three sheets of paper, and fold them (together, as if they were one single thick sheet):
      - first vertically: fold the top half of the sheets behind the bottom half;
      - then horizontally: fold the left half of the sheets behin the right half.

      You get a tiny, incomplete book (called a signature), which cannot be opened yet because of folds. Set it aside.
   3. Repeat the previous step as many times as necessary to fold the whole stack of paper.
4. Bind the several signatures you got, maybe add a cover.
5. *Voilà!*

  - English: 2022-2023 (source ; imposed) ; 2022-2023 (source ; imposed).
  - French
    - 2022-2023: Zone A (source ; imposed) ; Zone B (source ; imposed) ; Zone C (source ; imposed).
    - 2023-2024: Zone A (source ; imposed) ; Zone B (source ; imposed) ; Zone C (source ; imposed).

* 2024-2025: Zone A (source ; imposed) ; Zone B (source ; imposed) ; Zone C (source ; imposed).
* 2025-2026: Zone A (source ; imposed) ; Zone B (source ; imposed) ; Zone C (source ; imposed).

CHAPTER

TWO

DOWNLOAD AND INSTALL

See the main project page for instructions, and changelog.

CHAPTER

THREE

USAGE

Note that *scal* only produce the LuaLaTeX code corresponding to the calendar. To get the *pdf* calendar, save the code as a `.tex` file, or pipe the output through `lualatex`:

```
scal FILE | lualatex
```

The list of built-in templates is returned by command:

```
scal templates list
```

Here are the main command line options for *scal*.

A year calendar producer.

```
usage: scal [-h] [--version] {generate,templates} ...
```

3.1 Named Arguments

--version Show version

3.2 Sub-commands

3.2.1 generate

Generate calendar.

```
scal generate [-h]
```

3.2.2 templates

Manage 'scal' templates.

```
scal templates [-h]
```

CHAPTER

FOUR

CONFIGURATION FILE

The YAML UTF8-encoded file given in argument contains the information about the calendar. Here is, for example, the file corresponding to a school year calendar.

```yaml
calendar:
  template: calendar.tex
  start: 2025-09-01
  end: 2026-07-04
  weeks:
    work: true
    iso: true

variables:
  # Configuration
  language: french
  papersize: a4paper


holidays:
  # Holidays
  2025-10-18 2025-11-01: Vacances de la Toussaint
  2025-11-01: Toussaint
  2025-11-11: 11 novembre
  2025-12-20 2026-01-03: Vacances de Noël
  2025-12-25: Jour de Noël
  2026-01-01: 1er janvier
  2026-02-07 2026-02-21: Vacances d'Hiver
  2026-04-04 2026-04-18: Vacances de Printemps
  2026-04-06: Lundi de Pâques
  2026-05-01: 1er mai
  2026-05-08: 8 mai
  2026-05-14 2026-05-17: Pont de l'Ascension
  2026-05-25: Lundi de Pentecôte
  2026-07-04 2026-07-04: Début des Vacances d'Été
```

An annotated configuration file (with default values and examples) is available for each template. For instance, to get this configuration file for template *weekly.tex*, use:

```
scal templates config weekly.tex
```

CHAPTER

FIVE

INDICES AND TABLES

- genindex
- modindex
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