

opal-mode for Emacs

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OCS Maintainers

1 Emacs setup

Include the following lines into your .emacs file (where you may need to change /opt/ocs-2.3n to point to the actual installation place) for customization uncomment and change variable settings:

```
(setq opal-path "/opt/ocs-2.3n")

(setq load-path (cons (concat opal-path "/lib/emacs") load-path))

(require 'opal-mode)
```

1.1 Advanced setup

Add the following block, if you want to activate one of the options within:

```
(defun my-opal-hook()
  ;; uncomment to not save import maps
  ;; (setq opal-alist-file nil)

  ;; uncomment to not show extended help
  ;; (setq opal-diag-extended-flag nil)

  ;; uncomment to inhibit usage of frames
  ;; (setq opal-use-frames nil)

  ;; uncomment to not expand TABs
  ;; (setq indent-tabs-mode nil)

  ;; uncomment to not autobreak lines
  ;; (setq auto-fill-mode nil)

  ;; uncomment to switch on opal-indentation
  ;; (opal-misc-indent-on)
)

(add-hook 'opal-mode-hook 'my-opal-hook)
```

Additional where are following options:

```
;; uncomment to have all menus available
;; (setq opal-novice nil)

;; uncomment for proofchecker support (XEmacs only)
;; (setq opal-pchecker t)

;; change background of diagnostics
;; (setq opal-diag-background "lightyellow")
```

```
;; initial state for showing extended help
;; (setq opal-diag-extended-flag t)

;; position of toolbar ('left or 'right) XEmacs only
;; (setq opal-toolbar-position 'right)

;; if t, fold long ONLY imports to COMPLETELY
;; (setq opal-import-fold nil)
```

2 Key bindings

2.1 Dosfop

```

C-c C-d C-d      Insert-nested-documentary-end /* % */
C-c C-d C-s      Insert-nested-sectioning-env /* %$$ */
C-c C-d d        Insert-line-documentary-env -- %
C-c C-d s        Insert-line-sectioning-env -- %$$
C-c C-d i        Insert-@item
C-c C-d n        Insert-@noindent
C-c C-d c        Insert-@code
C-c C-d x        Insert-@index
C-c C-d m        Insert-@center
C-c C-d h        Insert-@emph
C-c C-d f        Insert-@footnote
C-c C-d TAB      Insert-@i
C-c C-d e        Insert-@end
C-c C-d q        Insert-@quotation
C-c C-d t        Insert-@table
C-c C-d z        Insert-@itemize
C-c C-d p        Goto previous documentary
C-c C-d n        Goto next documentary
C-c C-d l        Move IN documentaries
C-c C-d o        Move OUT documentaries

```

2.2 Compile

```

C-c c          Compile Project
M-s           Set project
C-c C-c C-h    Show project-help
C-c C-c C-c    ocs clean

```

`C-c C-c C-v`
Show ocs output

`C-c C-c 0` Clear ocs output

`C-c C-c C-k`
Kill compiling process

`C-c C-c s` Load SysDefs

`C-c C-c p` Load ProjectDefs

`C-c C-c C-p`
Set ProjectDefs

2.3 Opalfile

`C-c C-x C-s`
Save all Opal files

2.4 Switch

`C-c C-s C-b`
show SIGNATURE and IMPLEMENTATION

`C-c C-s C-s`
show SIGNATURE part

`C-c C-s TAB`
show IMPLEMENTATION part

2.5 Import

`C-c C-v C-s`
Import structure

`C-c C-v C-v`
Import item from structure

`C-c C-v C-w`
Show how some structure is imported

`C-c C-v c` Correct import maps

2.6 Oasys

`C-c C-a C-h`
Hide oasys window

`C-c C-a C-v`
View oasys window

C-c C-a C-f	Focus on oasys window
C-c C-a C-c	Check structure in active window
M-e	Eval some given expression

2.7 Diag

To work with the diagnostics, you have to check the structure (**C-c C-a C-c**) with oasys first.

C-c C-d C-b	Show previous (sub)error
C-c C-d C-f	Show next (sub)error
M-m	Import item from diagnostic
M-h	Toggle extended help
M-u	Update diagnostics buffer
M-v	Silently update diagsotics buffer
M-0	Clear diagnostics
M-p	Show previous main error
M-n	Show next main error