Qtile Python tiling WM

CONCEPTS

Super is mod4 in the default config.py (~/.config/qtile/config.py). Every binding on this sheet is a default you can change.

Config is plain Python. Keys call lazy objects (lazy.window.kill()): they are queued and only run on the key press.

Screen one per monitor, holds the bar
- **Group** workspace, shown on one screen
  - **Layout** tiling rule of the group
    - **Window** one client

FOCUS AND MOVE

Super + H / Super + L
Focus left / right

Super + J / Super + K
Focus down / up

Super + Space
Focus the other pane

Super + Shift + H / Super + Shift + L
Move window left / right

Super + Shift + J / Super + Shift + K
Move window down / up

Super + Ctrl + H / Super + Ctrl + L
Grow window left / right

Super + Ctrl + J / Super + Ctrl + K
Grow window down / up

Super + N
Reset all window sizes

WINDOWS

Super + Enter
Launch a terminal

Super + W
Kill the focused window

Super + F Toggle fullscreen

WINDOWS (cont.)

Super + T Toggle floating

Super + R
Open the prompt widget

Super + Button1 › drag
Move a floating window

Super + Button3 › drag
Resize a floating window

GROUPS AND LAYOUTS

Super + 1-9 Switch to group

Super + Shift + 1-9
Send window to group and follow

Super + Tab Next layout

Layouts (names for config)

Layout	Idea
`Columns`	Default: columns of stacked windows
`Max`	One window fills the screen
`MonadTall`	Main pane left, rest stacked right
`MonadWide`	Main pane top, rest below
`Bsp`	Binary tree splits
`TreeTab`	Tabs listed in a side tree

Columns and Max are active by default; the others are commented out in the default layouts list.

SESSION

Super + Ctrl + R
Reload the config

Super + Ctrl + Q
Shut down Qtile

LAZY COMMANDS

lazy.spawn("*<app>*")
Run an application

lazy.spawncmd()
Open the prompt on the bar

lazy.reload_config()
Reload the config

lazy.restart()
Restart (X11 keeps windows)

lazy.next_layout() / lazy.prev_layout()
Cycle layouts of the group

LAZY COMMANDS (cont.)

lazy.screen.next_group() / prev_group()
Move to adjacent group

lazy.screen.toggle_group()
Back to the last group

lazy.group["*<name>*"].toscreen()
Show a group

lazy.window.kill()
Close the focused window

lazy.window.togroup("*<name>*")
Move window to a group

lazy.window.toggle_floating()
Float or tile the window

lazy.window.toggle_fullscreen()
Fullscreen or restore

CLI

qtile start
Start a session (run from .xinitrc)

qtile start -b wayland
Start with the Wayland backend

qtile start -c *<file>*
Use another config file

qtile check
Check the config for errors

qtile shell
Interactive command shell

qtile cmd-obj
List root commands

qtile cmd-obj -o *<obj>* [*<id>*]
List commands of an object

qtile cmd-obj -o *<obj>* -f *<fn>* -i
Show docs of a function

qtile cmd-obj -o *<obj>* -f *<fn>* -a *<arg>*
Call a function with args

RECIPES

Validate then reload

```
qtile check
# fix reported errors, then
Super+Ctrl+R
qtile cmd-obj -f reload_config
```