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

Moving past the edge in the Columns layout creates a new column; growing at a screen edge shrinks instead.

WINDOWS

Super + Enter
Launch a terminal

WINDOWS (cont.)

Super + W
Kill the focused window

Super + F Toggle fullscreen

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 COMMANDS (cont.)

`lazy.restart()`
Restart (X11 keeps windows)

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

`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

`lazy.group["<g>"].dropdown_toggle("<n>")`
Toggle a scratchpad dropdown

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