i3 Tiling window manager

CONCEPTS

Mod is Alt by default; many configs set it to Super (set $mod Mod4). All keys here are the default config's; j k l ; are left, down, up, right.

Output a monitor
- **Workspace** one named desktop
  - **Container** split, stacked or tabbed
    - **Window** leaf of the tree

i3 is a tree: every split makes a container; layouts apply to a container's children. Mod+a focuses the parent.

Config lives in ~/.config/i3/config; Mod+Shift+c reloads it, Mod+Shift+r restarts i3 and keeps windows.

FOCUS

Mod + Arrows
Focus left / down / up / right

Mod + a
Focus parent container

Mod + Space
Toggle focus tiling / floating

Mod + Shift + q
Kill focused window

[class="*<name>*"] focus
Jump to a window by criteria

MOVE WINDOWS

Mod + Shift + Arrows
Move window left / down / up / right

Mod + Shift + 1-9
Move window to workspace

move container to output *<dir>*
Send window to another monitor

LAYOUTS AND SPLITS

Mod + h
Next window opens beside this one

Mod + v
Next window opens below this one

LAYOUTS AND SPLITS (cont.)

Mod + f Toggle fullscreen

Mod + s Stacking layout

Mod + w Tabbed layout

Mod + e
Back to split layout; toggles h / v

WORKSPACES

Mod + 1-9
Switch to workspace N

workspace back_and_forth
Toggle with previous workspace

workspace next / workspace prev
Cycle through used workspaces

workspace number "*<n>*:*<name>*"
Switch to a named workspace

move workspace to output *<dir>*
Send workspace to another monitor

workspace *<ws>* **output** *<output>*
Pin a workspace to a monitor (config)

FLOATING AND SCRATCHPAD

Mod + Shift + Space
Toggle floating

Mod + Left-drag
Move a floating window

Mod + Right-drag
Resize a floating window

Mod + Shift + -
Send window to scratchpad

Mod + -
Show / hide scratchpad window

for_window [class="*<name>*"] floating enable
Always float an app (config)

RESIZE

Mod + r Enter resize mode

j / k / l / ;
Shrink width / grow height / shrink height / grow width

RESIZE (cont.)

Enter / Esc
Leave resize mode

SESSION AND CONFIG

Mod + Enter Open terminal

Mod + d
Open launcher (dmenu)

Mod + Shift + c
Reload config

Mod + Shift + r
Restart i3 in place

Mod + Shift + e Exit i3

i3 -C
Check the config for errors

i3-msg *<command>*
Run any i3 command from a shell

bindsym $mod+*<key>* *<command>*
Bind a key to a command (config)

exec --no-startup-id *<command>*
Start once at login (config)

exec_always --no-startup-id *<command>*
Also run on restart (config)

set $mod Mod4
Use Super as the modifier (config)

RECIPES

Scratchpad terminal

```
# config
bindsym $mod+Shift+minus move
scratchpad
bindsym $mod+minus scratchpad
show
for_window [class="scratch"] move
scratchpad
# xterm -class scratch &
```

Resize mode

```
mode "resize" {
    bindsym l resize grow width
10 px or 10 ppt
    bindsym Escape mode "default"
}
bindsym $mod+r mode "resize"
```

Pin apps to workspaces

```
assign [class="Firefox"] → 2
assign [class="Slack"] → 9
for_window [class="Pavucontrol"]
floating enable
```