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HMI.zip   HMI_Exp5.zip   sample_captions.txt   setup.sh   Smke.zip

38 items (68 hidden)   Free space: 206.4 GiB (Total: 289.8 GiB)

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i3 Window Manager

i3 is a dynamic tiling window manager inspired by wmii that is primarily targeted at developers and advanced users.

The stated goals for i3 include clear documentation, proper multi-monitor support, a tree structure for windows, and different modes like in vim.

Our configuration for i3wm is as follows:

```
# i3 config file (v4)
#
# Please see http://i3wm.org/docs/userguide.html for a complete reference!

set $mod Mod4

# Set colors from Xresources
# Change 'color7' and 'color2' to whatever colors you want i3 to use
# from the generated scheme.
# NOTE: The '#f0f0f0' in the lines below is the color i3 will use if
# it fails to get colors from Xresources.
set_from_resource $fg i3wm.color15 #f0f0f0
set_from_resource $bg i3wm.color0 #f0f0f0

set_from_resource $c0 i3wm.color0 #f0f0f0
set_from_resource $c1 i3wm.color1 #f0f0f0
set_from_resource $c2 i3wm.color2 #f0f0f0
set_from_resource $c3 i3wm.color3 #f0f0f0
set_from_resource $c4 i3wm.color4 #f0f0f0
set_from_resource $c5 i3wm.color5 #f0f0f0
set_from_resource $c6 i3wm.color6 #f0f0f0
set_from_resource $c7 i3wm.color7 #f0f0f0
set_from_resource $c8 i3wm.color8 #f0f0f0
set_from_resource $c9 i3wm.color9 #f0f0f0
set_from_resource $c10 i3wm.color10 #f0f0f0
set_from_resource $c11 i3wm.color11 #f0f0f0
set_from_resource $c12 i3wm.color12 #f0f0f0
set_from_resource $c13 i3wm.color13 #f0f0f0
set_from_resource $c14 i3wm.color14 #f0f0f0
set_from_resource $c15 i3wm.color15 #f0f0f0

# class                 border  backgr. text indicator child_border
client.focused           $c14    $bg     $fg  $c14       $c14
client.focused_inactive $c14    $bg     $fg  $c14       $c14
client.unfocused         $c10    $bg     $fg  $c10       $c10
client.urgent            $c10    $bg     $fg  $c10       $c10
client.placeholder       $c10    $bg     $fg  $c10       $c10

client.background        $bg

# Font for window titles. Will also be used by the bar unless a different font
# is used in the bar {} block below.
font pango:System San Francisco Display 10
#font pango:Source Code Pro for Powerline 10

# This font is widely installed, provides lots of unicode glyphs, right-to-left
```

```
# text rendering and scalability on retina/hidpi displays (thanks to pango).
#font pango:DejaVu Sans Mono 8

# Before i3 v4.8, we used to recommend this one as the default:
# font -misc-fixed-medium-r-normal--13-120-75-75-C-70-iso10646-1
# The font above is very space-efficient, that is, it looks good, sharp and
# clear in small sizes. However, its unicode glyph coverage is limited, the old
# X core fonts rendering does not support right-to-left and this being a bitmap
# font, it doesn't scale on retina/hidpi displays.

# Use Mouse+$mod to drag floating windows to their wanted position
floating_modifier $mod

# start a terminal
bindsym $mod+Return exec --no-startup-id urxvtcd

# kill focused window
bindsym $mod+Shift+q kill

# start dmenu (a program launcher)
bindsym $mod+d exec --no-startup-id dmenu_run -b -fn 'System San Francisco Display
11' -nb '$c10' -nf '$fg' -sb '$c12' -sf '$fg'

# Rofi
#bindsym $mod+d exec rofi -show run -lines 5 -eh 2 -width 40 padding 40 -opacity
"80" -bw 0 -columns 2 -font "System San Francisco Display 14"

# There also is the (new) i3-dmenu-desktop which only displays applications
# shipping a .desktop file. It is a wrapper around dmenu, so you need that
# installed.
# bindsym $mod+d exec --no-startup-id i3-dmenu-desktop

# change focus
bindsym $mod+h focus left
bindsym $mod+j focus down
bindsym $mod+k focus up
bindsym $mod+l focus right

# alternatively, you can use the cursor keys:
bindsym $mod+Left focus left
bindsym $mod+Down focus down
bindsym $mod+Up focus up
bindsym $mod+Right focus right

# move focused window
bindsym $mod+Shift+h move left
bindsym $mod+Shift+j move down
bindsym $mod+Shift+k move up
bindsym $mod+Shift+l move right

# alternatively, you can use the cursor keys:
bindsym $mod+Shift+Left move left
bindsym $mod+Shift+Down move down
bindsym $mod+Shift+Up move up
bindsym $mod+Shift+Right move right
```

```
# split in horizontal orientation
bindsym $mod+semicolon split h

# split in vertical orientation
bindsym $mod+v split v

# enter fullscreen mode for the focused container
bindsym $mod+f fullscreen toggle

# change container layout (stacked, tabbed, toggle split)
bindsym $mod+s layout stacking
bindsym $mod+w layout tabbed
bindsym $mod+e layout toggle split

# toggle tiling / floating
bindsym $mod+Shift+space floating toggle

# change focus between tiling / floating windows
bindsym $mod+space focus mode_toggle

# focus the parent container
bindsym $mod+a focus parent

# focus the child container
#bindsym $mod+d focus child

# Setting workspace
set $wksp1 "1.❯_"
set $wksp2 "2.❂"
set $wksp3 "3.</>"
set $wksp4 "4.☗"
set $wksp5 "5.▰"

# Assign To Workspaces
assign [class="Firefox"] $wksp2
assign [class="Google-chrome"] $wksp2
assign [class="Pcmanfm"] $wksp3

# switch to workspace
bindsym $mod+1 workspace $wksp1
bindsym $mod+2 workspace $wksp2
bindsym $mod+3 workspace $wksp3
bindsym $mod+4 workspace $wksp4
bindsym $mod+5 workspace $wksp5
bindsym $mod+6 workspace 6
bindsym $mod+7 workspace 7
bindsym $mod+8 workspace 8
bindsym $mod+9 workspace 9
bindsym $mod+0 workspace 10

# move focused container to workspace
bindsym $mod+Shift+1 move container to workspace $wksp1
bindsym $mod+Shift+2 move container to workspace $wksp2
bindsym $mod+Shift+3 move container to workspace $wksp3
bindsym $mod+Shift+4 move container to workspace $wksp4
bindsym $mod+Shift+5 move container to workspace $wksp5
```

```
bindsym $mod+Shift+6 move container to workspace 6
bindsym $mod+Shift+7 move container to workspace 7
bindsym $mod+Shift+8 move container to workspace 8
bindsym $mod+Shift+9 move container to workspace 9
bindsym $mod+Shift+0 move container to workspace 10

# reload the configuration file
bindsym $mod+Shift+c reload
# restart i3 inplace (preserves your layout/session, can be used to upgrade i3)
bindsym $mod+Shift+r restart
# exit i3 (logs you out of your X session)
bindsym $mod+Shift+e exec --no-startup-id "i3-nagbar -t warning -m 'You pressed the
exit shortcut. Do you really want to exit i3? This will end your X session.' -b 'Yes, exit
i3' 'i3-msg exit'"

# resize window (you can also use the mouse for that)
mode "resize" {
        # These bindings trigger as soon as you enter the resize mode

        # Pressing left will shrink the window's width.
        # Pressing right will grow the window's width.
        # Pressing up will shrink the window's height.
        # Pressing down will grow the window's height.
        bindsym j resize shrink width 10 px or 10 ppt
        bindsym k resize grow height 10 px or 10 ppt
        bindsym l resize shrink height 10 px or 10 ppt
        bindsym semicolon resize grow width 10 px or 10 ppt

        # same bindings, but for the arrow keys
        bindsym Left resize shrink width 10 px or 10 ppt
        bindsym Down resize grow height 10 px or 10 ppt
        bindsym Up resize shrink height 10 px or 10 ppt
        bindsym Right resize grow width 10 px or 10 ppt

        # back to normal: Enter or Escape
        bindsym Return mode "default"
        bindsym Escape mode "default"
}

bindsym $mod+r mode "resize"

# Start i3bar to display a workspace bar (plus the system information i3status
# finds out, if available)
bar {
        #status_command i3status
          status_command i3blocks
        tray_output primary
          font pango:System San Francisco Display, FontAwesome 11
          position top
colors {
          separator  $fg
          background $bg
          statusline $fg
#                        border  background text
          focused_workspace  $c8 $c12 $c2
          active_workspace   $c8 $c12 $c2
```

```
            inactive_workspace $c8 $c12 $c2
            urgent_workspace   $c8 $fg $c0
        }
    }
```

Pulse Audio controls
```
bindsym XF86AudioRaiseVolume exec --no-startup-id  pactl set-sink-volume 0 +5%
#increase sound volume
bindsym XF86AudioLowerVolume exec --no-startup-id pactl set-sink-volume 0 -5%
#decrease sound volume
bindsym XF86AudioMute exec --no-startup-id pactl set-sink-mute 0 toggle # mute
sound
bindsym XF86AudioMicMute exec --no-startup-id pactl set-source-mute 1 toggle #
mute mic sound
```

Sreen brightness controls
```
bindsym XF86MonBrightnessUp exec --no-startup-id xbacklight -inc 20 # increase
screen brightness
bindsym XF86MonBrightnessDown exec exec --no-startup-id xbacklight -dec 20 #
decrease screen brightness
```

Media player controls
```
bindsym XF86AudioPlay exec --no-startup-id playerctl play
bindsym XF86AudioPause exec --no-startup-id playerctl pause
bindsym XF86AudioNext exec --no-startup-id playerctl next
bindsym XF86AudioPrev exec --no-startup-id playerctl previous
```

Screenshot
```
bindsym --release Print exec --no-startup-id scrot 'screenshot.png' -e 'mv $f ~/Pictures'
#Compton and Arandr
#exec --no-startup-id compton -bcCGf -r 4 -l -5 -t -5 --no-fading-openclose --sw-opti
-opengl --vsync opengl-swc --paint-on-overlay
exec_always  --no-startup-id xrandr --output VGA-1 --off --output LVDS-1 --primary
--mode 1366x768 --pos 0x0 --rotate normal --output HDMI-3 --off --output HDMI-2 --off
--output HDMI-1 --off --output DP-3 --off --output DP-2 --off --output DP-1 --off
```

Execute Terminal & Firefox
```
exec --no-startup-id  urxvtcd
exec --no-startup-id  pulseaudio
exec --no-startup-id  firefox
```

Set Wallpaper
```
exec_always --no-startup-id bash ~/.fehbg &
exec_always --no-startup-id ~/blurme &
```

#Setting I3Gaps
```
for_window [class="^.*"] border pixel 3
gaps inner 10
gaps outer 10
smart_borders on
workspace $wksp2 gaps outer -10
```

Conclusion:
Thus, we have installed and configured the i3 window manager. It's tiling nature is useful for development purposes. It is also a light weight window manager and so it frees up the RAM for use by other processes.