



## The lean WindowLab window manager

# LAB EQUIPMENT

If you are looking for a functional and fast desktop environment, try WindowLab. This minimalist window manager concentrates on what's important and does without superfluous gadgets. **BY HAGEN HÖPFNER**

**W**orking in a lab means keeping track of everything. Superfluous functionality can produce incorrect or inconsistent results. WindowLab [1] (Figure 1) concentrates on the core function of a window manager – organizing application windows on the desktop – and avoids unnecessary complications that can lead to errors.

### First Experiments

WindowLab is based on the *aewm* [2] source code. You can use the source code archive from the project homepage to build the window manager. You do not need to run a *configure* script for WindowLab. Just run the *make* and *su -c "make install"* commands in the source code directory and copy the program files to directories below */usr/local*. The program is frugal in its use of resources, and you only need *gcc*, along with the GUI developer packages, to build the manager. The package for Suse Linux 9.3 is titled *xorg-x11-devel*.

To launch your new window manager when you log

on, you need to add WindowLab to your display manager selection menu. The box titled "WindowLab on Suse Linux 9.3" tells you what else you need to watch out for if you have Suse Linux 9.3. If you just want to test WindowLab, select the *Failsafe* session type in the KDM menu. This option tells the display manager to launch just the X server and a terminal window. You can then type *windowlab* in the window to open WindowLab. You will not notice a whole lot of difference. The background will stay the same, and you won't get a start menu or desktop icon. However, WindowLab does add a frame to the ter-

minal window, and it puts a taskbar at the top edge of the screen.

The window list (Figure 2) just displays the window title and three buttons on the right hand side. From left to right, you can left click the buttons to iconize the window, move the current window to the background, or close the window. Keyboard shortcuts are also available for window navigation. [Alt] + [Q] moves the windows to the foreground in the order shown in the taskbar. [Alt] + [Tab] toggles in the opposite direction. The [Alt] + [F12] shortcut moves the active window to the background. [Alt] + [F11] toggles between normal and full screen mode.

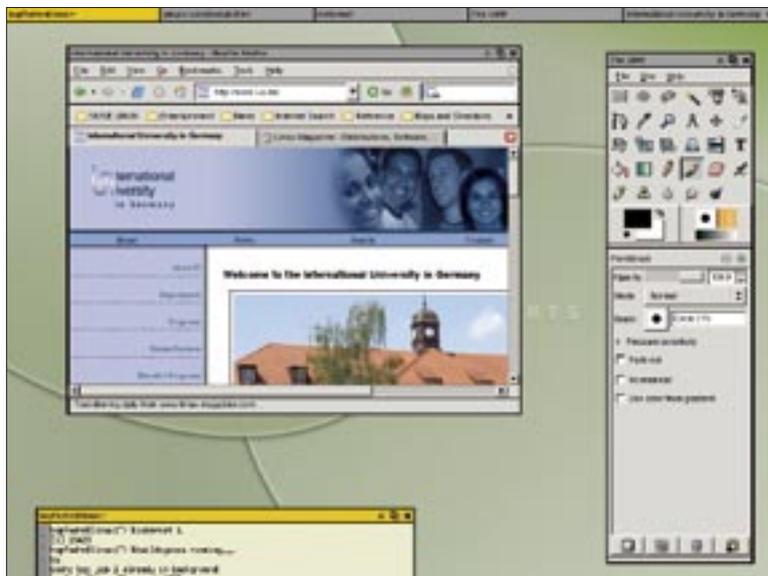


Figure 1: In the default configuration, WindowLab is spartan and functional.

Right clicking either the desktop or the taskbar converts it into a start menu (Figure 3). The menu provides a *(Quit)* entry, an *(About)* entry, and a number of entries for launching applications. To enable an entry, you can simply release the right mouse button while hovering the mouse over an item. The *Edit Menu* entry does not take you to a GUI-based setup dialog, as you might

