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**Subject:** Stuck with TrayIcon in Linux....  
**Posted by** [mirek](#) **on** Sat, 06 Jan 2007 10:59:23 GMT  
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...almost there:

```
#include <CtrlLib/CtrlLib.h>

using namespace Upp;

NAMESPACE_UPP

Atom TraySelection()
{
    return XAtom(Format("_NET_SYSTEM_TRAY_S%d", Xscreenno));
}

struct TrayIcon : TopWindow {
    virtual bool HookProc(XEvent *event);
    virtual void Paint(Draw& draw);
    virtual void LeftDown(Point p, dword keyflags);
    virtual void Layout();

    void AddToTray();

    Window traywin;
    XSizeHints *size_hints;

    TrayIcon();
    ~TrayIcon();
};

void TrayIcon::Layout()
{
    DUMP(GetRect());
}

void TrayIcon::AddToTray()
{
    traywin = XGetSelectionOwner(Xdisplay, TraySelection());
    if(!traywin) return;

    XSelectInput(Xdisplay, traywin, StructureNotifyMask);
    XWindowAttributes attr;
    XGetWindowAttributes(Xdisplay, Xroot, &attr);
    XSelectInput(Xdisplay, Xroot, attr.your_event_mask | StructureNotifyMask);
```

```

size_hints->min_width = 22;
size_hints->min_height = 22;
size_hints->max_width = 22;
size_hints->max_height = 22;
size_hints->x = 0;
size_hints->y = 0;
size_hints->width = 22;
size_hints->height = 22;
size_hints->win_gravity = StaticGravity;
size_hints->flags = PMinSize|PMaxSize|PPosition|PSize|PWinGravity;
XSetWMNormalHints(Xdisplay, GetWindow(), size_hints);

bool x11trap = TrapX11Errors();
XEvent e;
Zero(e);
e.xclient.data.l[0] = CurrentTime;
e.xclient.data.l[2] = GetWindow();
e.xclient.window = traywin;
e.xclient.type = ClientMessage;
e.xclient.message_type = XAtom("_NET_SYSTEM_TRAY_OPCODE");
e.xclient.format = 32;
XSendEvent(Xdisplay, traywin, XFalse, 0, &e);
XSync(Xdisplay, XFalse);
UntrapX11Errors(x11trap);
}

bool TrayIcon::HookProc(XEvent *event)
{
XAnyEvent *e = (XAnyEvent *)event;
if(e->type == DestroyNotify && e->window == traywin) {
    AddToTray();
    return true;
}
if(e->type == ClientMessage && !traywin) {
    XClientMessageEvent *cm = (XClientMessageEvent *)event;
    if(cm->message_type == XAtom("MANAGER") && (Atom)cm->data.l[1] == TraySelection()) {
        AddToTray();
        return true;
    }
}
return false;
}

void TrayIcon::Paint(Draw& w)
{
w.DrawRect(GetSize(), Cyan);
}

```

```

void TrayIcon::LeftDown(Point p, dword keyflags)
{
    EndLoop();
}

TrayIcon::TrayIcon()
{
    size_hints = XAllocSizeHints();
    SetRect(0, 0, 24, 24);
    ignoretakefocus = true;

    Create(NULL, true, false);
    if(top) popup = true;
    WndShow(visible);

    AddToTray();
}

TrayIcon::~TrayIcon()
{
    XFree(size_hints);
}

END_UPP_NAMESPACE

GUI_APP_MAIN
{
    TrayIcon icon;
    Ctrl::EventLoop(&icon);
}

```

...however, tray icon created is only 1 pixel wide. Anybody has the idea why?

Mirek

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**Subject:** Re: Stuck with TrayIcon in Linux....  
**Posted by** [mirek](#) **on** Sun, 07 Jan 2007 22:44:01 GMT  
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OK, thanks to Bas, solved... (solution is weird, but works...)

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**Subject:** Re: Stuck with TrayIcon in Linux....  
**Posted by** [mirek](#) **on** Mon, 08 Jan 2007 10:18:27 GMT  
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Update: Still stuck Bas's suggestion solved some cases, but not all.

Mirek

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**Subject: Re: Stuck with TrayIcon in Linux....**

Posted by [tojocky](#) on Wed, 18 Nov 2009 21:09:08 GMT

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Hello All,

Method TrayIcon::Info do not show message for Linux.

For win32 work fine!

I have Ubuntu 9.10

Can anybody help me?

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