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Subject: [BUG & Patch] TopWindow::CenterRect under X11 may lead to crash!!!  
Posted by [Klugier](#) on Sat, 24 Aug 2013 23:26:31 GMT

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Hello,

I have noticed that method TopWindow::CenterRect can creat window outside screen. This behaviour can lead to crash on some windows managers like Kwin.

What we need to do is omit the code that is calculating absolut center position if new window is partially or fully outside screen. So the new "if" look like this:

```
if (p.x <= wr.Width() && p.y <= wr.Height()) {  
    // Find the absolut position of new window  
    // ....  
}
```

I enclosed corrected source file (CtrlCore/X11Top.cpp).

Sincerley,  
Klugier

#### File Attachments

1) [X11Top.cpp](#), downloaded 464 times

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Subject: Re: [BUG & Patch] TopWindow::CenterRect under X11 may lead to crash!!!

Posted by [mirek](#) on Sun, 25 Aug 2013 09:42:42 GMT

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Thanks, applied.

Mirek

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Subject: Re: [BUG & Patch] TopWindow::CenterRect under X11 may lead to crash!!!

Posted by [Klugier](#) on Fri, 30 Aug 2013 11:27:16 GMT

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Hello,

It seems that new ctrl center algorithm (under X11) may crash when we use empty workspace (Multi monitor mode).

I made one cosmetic change. Now, TopWindow::CenterRect should be 99% safe under X11.

Sincerely,  
Klugier

### File Attachments

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1) [X11Top.cpp](#), downloaded 400 times

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Subject: Re: [BUG & Patch] TopWindow::CenterRect under X11 may lead to crash!!!

Posted by [mirek](#) on Sun, 01 Sep 2013 16:58:40 GMT

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Applied.

Mirek

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Subject: Re: [BUG & Patch] TopWindow::CenterRect under X11 may lead to crash!!!

Posted by [Klugier](#) on Sun, 01 Sep 2013 23:04:36 GMT

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Hello Mirek,

Thanks for update. The last bug from this branch concerns windows deformation. The recognition algorithm isn't perfect on X11 as you can see. Let's expand our algorithm! Here is new line (CtrlCore/X11Top.cpp - 242):

```
if (p.x + sz.cx <= wr.Width() && p.y + sz.cy <= wr.Height()) {
```

I enclose expanded source file.

P.S.

It is definitely end of improvement to TopWindow::CenterRect method under X11.

Sincerely,  
Klugier

### File Attachments

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1) [X11Top.cpp](#), downloaded 415 times

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Subject: Re: [BUG & Patch] TopWindow::CenterRect under X11 may lead to crash!!!

Posted by [mirek](#) on Tue, 03 Sep 2013 18:06:11 GMT

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Applied as well...

Mirek

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