
Subject: autocomplete

Posted by [maarten](#) on Wed, 30 Mar 2005 08:48:11 GMT

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Hello everybody,

I was wondering whether it is possible to have some sort of autocompletion at the IDL prompt in Linux. When working in Matlab for example typing the first few letters of a command or file and pressing 'tab' results in automatic completing the rest. (the same way the xterminal works). Another very useful feature is that when the first few letters are typed, pressing 'arrow up' results in only history results that start with these letters. Is it possible to have this implemented in IDL, or are there any other 'terminal' like command lines that offer these features in which IDL can be run. At the moment I am running IDL at the command line under Linux.
I hope someone knows whether this is possible, or that RSINC is working on something like this. Because in my opinion it would greatly improve IDL.

Cheers maarten.

Subject: Re: autocomplete

Posted by [savoie](#) on Wed, 06 Apr 2005 15:24:31 GMT

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savoie@nsidc.org writes:

```
> JD Smith <jdsmith@as.arizona.edu> writes:
>
>> On Fri, 01 Apr 2005 15:56:08 +0200, maarten wrote:
>
>> I just discovered C-c M-r, which is comint's way of doing a search for
>> previous input based on the existing input, without any prompting.
>
> Oh! look at that. I'll be replacing that right away. :) Not that I don't
> love your hack....
```

I spoke too soon. The comint-previous-matching-input-from-input, only searches back from what's on the beginning of the line.

so if I have a print of a strange variable name, with the comint way I have to start the line with
IDL> print, beg[up]

and that will get substituted with
IDL> print, beginning_of_a_stupidly_long_variable_name

with jds-history-search-up I only need the beg[up]

IDL> beg[up]

Just a note. :)

Matt

--

Matthew Savoie - Scientific Programmer
National Snow and Ice Data Center
(303) 735-0785 <http://nsidc.org>

Subject: Re: autocomplete

Posted by [JD Smith](#) on Thu, 07 Apr 2005 00:53:08 GMT

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On Wed, 06 Apr 2005 09:24:31 -0600, savoie wrote:

> savoie@nsidc.org writes:

>

>> JD Smith <jdsmith@as.arizona.edu> writes:

>>

>>> On Fri, 01 Apr 2005 15:56:08 +0200, maarten wrote:

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> with jds-history-search-up I only need the beg[up]

>

> IDL> beg[up]

>

> Just a note. :)

What if you just want the previous command, how do you do that (I forget if I handled that)?

JD

Subject: Re: autocomplete

Posted by ismxray@yahoo.com on Thu, 07 Apr 2005 14:02:39 GMT

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The IDLWAVE is really what I want for such a long time in the terminals.

But when I work throung the tutorial, I cannot make it work in Xemacs, for such M-TAB to show the routine info, and plot_ + "TAB" to autocomplete the command line in shell. However, I can make it in emacs. I use the pre-compiled idlwave-xemacs package.

And I have to disable the CTRL+TAB, ALT+TAB in KDE, which is used to switch the windows in KDE by default. How can one make IDLWAVE work in Xemacs just as in emacs? Thanks!

Subject: Re: autocomplete

Posted by [savoie](#) on Thu, 07 Apr 2005 16:43:25 GMT

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JD Smith <jdsmith@as.arizona.edu> writes:

> On Wed, 06 Apr 2005 09:24:31 -0600, savoie wrote:

>> savoie@nsidc.org writes:

>

> What if you just want the previous command, how do you do that (I forget if I handled that)?

I left the normal M-p and M-n for comint-previous-input and comint-next-input. So I have the [up] for your substring history search, and M-p for the last behavior. Alternatively, just do [up] with nothing on the command line.

Matt

--

Matthew Savoie - Scientific Programmer
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Subject: Re: autocomplete

Posted by [JD Smith](#) on Thu, 07 Apr 2005 21:46:40 GMT

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On Thu, 07 Apr 2005 07:02:39 -0700, ismxray@yahoo.com wrote:

> The IDLWAVE is really what I want for such a long time in the
> terminals.
> But when I work throung the tutorial, I cannot make it work in Xemacs,
> for such M-TAB to show the routine info, and plot_ + "TAB" to
> autocomplete the command line
> in shell. However, I can make it in emacs. I use the pre-compiled
> idlwave-xemacs package.
> And I have to disable the CTRL+TAB, ALT+TAB in KDE, which is used to
> switch the windows
> in KDE by default. How can one make IDLWAVE work in Xemacs just as in
> emacs? Thanks!

It's possible your package isn't being found by XEmacs. I'm not an expert on XEmacs packages, but look for "IDLWAVE" in the command line, and ensure that C-h v idlwave-mode-version [RET] is the version you expect. Routine info is on C-c ? by default. Completion is M-Tab in a buffer, and plain Tab in the shell.

JD

Subject: Re: autocomplete

Posted by [ismxray@yahoo.com](#) on Fri, 08 Apr 2005 13:52:55 GMT

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idlwave is loaded. As I type " C-h v idlwave-mode-version [RET] ", it gives:

`idlwave-mode-version' is a variable declared in Lisp.

-- loaded from "idlwave"

Value: "5.1"

Documentation:

not documented as a variable.

=====

I can use TAB to indent the program when editing, or use C-x h and the C-M-\ to indent the whole region, even C-c C-s to run the shell, and C-c C-d C-c to compile the procedure. But the functions like the completion do not work both in buffer and in shell, by tying shortcut or selecting from the menu.

Is there anything warong with Xemacs?

Subject: Re: autocomplete

Posted by [JD Smith](#) on Fri, 08 Apr 2005 18:38:32 GMT

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On Fri, 08 Apr 2005 06:52:55 -0700, ismxray@yahoo.com wrote:

```
> idlwave is loaded. As I type " C-h v idlwave-mode-version [RET] ", it
> gives:
> `idlwave-mode-version' is a variable declared in Lisp.
> -- loaded from "idlwave"
>
> Value: "5.1"
>
> Documentation:
> not documented as a variable.
> =====
> I can use TAB to indent the program when editing, or use C-x h and the
> C-M-\ to indent the whole region, even C-c C-s to run the shell, and
> C-c C-d C-c to compile the procedure. But the functions like the
> completion do not work both in buffer and in shell, by tying shortcut
> or selecting from the menu.
> Is there anything warong with Xemacs?
```

Not in principle, plenty of people use XEmacs with IDLWAVE (I use and develop IDLWAVE with GNU Emacs). What sort of error do you get, something like "no completion for XXXX"? That means it's working, but there is nothing to complete by that name. Look in your *Messages* buffer and note anything unusual when you try completion.

JD
