
Subject: Problems with IDL 8.1: the Development Enviroment is not starting

Posted by [Helder Marchetto](#) on Thu, 19 Apr 2012 15:05:30 GMT

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Hi,

I got IDL 8.1 in the middle of February. In the middle of March I had major crashes (using the new graphics...) and since the 15 of March IDL is not starting anymore. I obviously reported the bug to my local distributor and tried the proposed solutions:

- basically reinstall
- clean start of the DE (using the -clean keyword)
- deleted the .idl directory
- started the DE with the -outofprocess keyword
- used the -data and -showlocation keywords

- ...

all of this did not bring any improvements.

When I click or type idlde.exe I get the startup logo for about a tenth of a second on the screen and then it goes away and nothing happens. No sign of any process anywhere.

Below is the error reported in one of the first of my .log files. I googled this error and found it in the forum bugs.eclipse.org under comment nr. 19:

https://bugs.eclipse.org/bugs/show_bug.cgi?id=234661

I'm working with IDL 8.1 on a 64 bit window 7 pro laptop.

If anybody has a suggestion that might help, it would be very much appreciated.

Please notice that I would really hate the idea of having to reinstall the whole system... The level of frustration is REALLY high. The last attempted solution proposed from Exelis dates back to the 28 of March.

Thanks,

Helder

**** .log file error ****

!ENTRY org.eclipse.ui 4 0 2012-03-12 16:51:32.027

!MESSAGE Unhandled event loop exception

!STACK 0

```
org.eclipse.swt.SWTException: Failed to execute runnable (java.lang.IllegalStateException)
  at org.eclipse.swt.SWT.error(SWT.java:3884)
  at org.eclipse.swt.SWT.error(SWT.java:3799)
  at org.eclipse.swt.widgets.Synchronizer.runAsyncMessages(Synchronizer.java:137)
  at org.eclipse.swt.widgets.Display.runAsyncMessages(Display.java:3885)
  at org.eclipse.swt.widgets.Display.readAndDispatch(Display.java:3506)
  at org.eclipse.ui.internal.Workbench.runEventLoop(Workbench.java:2405)
  at org.eclipse.ui.internal.Workbench.runUI(Workbench.java:2369)
  at org.eclipse.ui.internal.Workbench.access$4(Workbench.java:2221)
  at org.eclipse.ui.internal.Workbench$5.run(Workbench.java:500)
  at org.eclipse.core.databinding.observable.Realm.runWithDefault(Realm.java:332)
  at org.eclipse.ui.internal.Workbench.createAndRunWorkbench(Workbench.java:493)
  at org.eclipse.ui.PlatformUI.createAndRunWorkbench(PlatformUI.java:149)
  at org.eclipse.ui.internal.ide.application.IDEApplication.start(IDEApplication.java:113)
```

```
at org.eclipse.equinox.internal.app.EclipseAppHandle.run(EclipseAppHandle.java:194)
at org.eclipse.core.runtime.internal.adaptor.EclipseAppLauncher
.runApplication(EclipseAppLauncher.java:110)
at org.eclipse.core.runtime.internal.adaptor.EclipseAppLauncher
.start(EclipseAppLauncher.java:79)
at org.eclipse.core.runtime.adaptor.EclipseStarter.run(EclipseStarter.java:368)
at org.eclipse.core.runtime.adaptor.EclipseStarter.run(EclipseStarter.java:179)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(Unknown Source)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(Unknown Source)
at java.lang.reflect.Method.invoke(Unknown Source)
at org.eclipse.equinox.launcher.Main.invokeFramework(Main.java: 559)
at org.eclipse.equinox.launcher.Main.basicRun(Main.java:514)
at org.eclipse.equinox.launcher.Main.run(Main.java:1311)
Caused by: java.lang.IllegalStateException
at org.eclipse.jface.text.projection.ProjectionMapping.toImageL
ine(ProjectionMapping.java:480)
at org.eclipse.jface.text.TextViewer.modelLine2WidgetLine(TextViewer.java:5237)
at org.eclipse.jface.text.JFaceTextUtil.modelLineToWidgetLine(JFaceTextUtil.java:224)
at org.eclipse.jface.internal.text.source.DiffPainter.paintLine (DiffPainter.java:220)
at org.eclipse.jface.internal.text.source.DiffPainter.paint(DiffPainter.java:158)
at org.eclipse.jface.text.source.LineNumberChangeRulerColumn.do
Paint(LineNumberChangeRulerColumn.java:190)
at org.eclipse.jface.text.source.LineNumberRulerColumn.doubleBu
fferPaint(LineNumberRulerColumn.java:692)
at org.eclipse.jface.text.source.LineNumberRulerColumn.redraw(L
ineNumberRulerColumn.java:844)
at org.eclipse.jface.internal.text.source.DiffPainter.redraw(DiffPainter.java:382)
at org.eclipse.jface.internal.text.source.DiffPainter.access$2(DiffPainter.java:381)
at org.eclipse.jface.internal.text.source.DiffPainter$2.run(DiffPainter.java:371)
at org.eclipse.swt.widgets.RunnableLock.run(RunnableLock.java:3 5)
at org.eclipse.swt.widgets.Synchronizer.runAsyncMessages(Synchronizer.java:134)
... 22 more
```

Subject: Re: Problems with IDL 8.1: the Development Enviroment is not starting
Posted by [David Fanning](#) on Thu, 19 Apr 2012 15:13:50 GMT
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Helder writes:

> I'm working with IDL 8.1 on a 64 bit window 7 pro laptop.
> If anybody has a suggestion that might help, it would be very much appreciated.
> Please notice that I would really hate the idea of having to reinstall the whole system... The level of frustration is REALLY high. The last attempted solution proposed from Exelis dates back to the 28 of

I don't have any suggestions, except to tell you

I have IDL 8.1 on an identical 64-bit Windows 7 Pro laptop and it works great. The function graphics are especially easy to use. ;-)

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Problems with IDL 8.1: the Development Enviroment is not starting
Posted by [David Fanning](#) on Thu, 19 Apr 2012 15:17:26 GMT
[View Forum Message](#) <> [Reply to Message](#)

David Fanning writes:

> I don't have any suggestions, except to tell you
> I have IDL 8.1 on an identical 64-bit Windows 7 Pro
> laptop and it works great. The function graphics are
> especially easy to use. ;-)

Well, I guess I do have a couple of suggestions. One completely unprintable. The other is to update your graphics driver. Without **completely** updated graphics drivers, nothing in IDL 8 seems to work properly.

Cheers,

David

--

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Subject: Re: Problems with IDL 8.1: the Development Enviroment is not starting

Posted by [Helder Marchetto](#) on Thu, 19 Apr 2012 15:18:25 GMT

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Even more frustrating, but thanks.

Actually my problems started when I testing the graphics using the following (harmless) code:

```
PRO ex_widget_window_event, event
  IF TAG_NAMES(event, /STRUCTURE_NAME) EQ 'WIDGET_KILL_REQUEST' THEN BEGIN
    WIDGET_CONTROL, event.top, /DESTROY
    ok = dialog_message('Plot window closed', /INFORMATION)
  ENDIF
END
```

```
PRO ex_widget_window
  wBase = WIDGET_BASE(/COLUMN, TITLE='Plot', /TLB_KILL_REQUEST_EVENTS)
  wDraw = WIDGET_WINDOW(wBase, X_SCROLL_SIZE=400, Y_SCROLL_SIZE=400)
  WIDGET_CONTROL, wBase, /REALIZE
```

```
  WIDGET_CONTROL, wDraw, GET_VALUE=oWin
  oWin.Select
  p = PLOT(/TEST, /CURRENT, /FILL_BACKGROUND)
```

```
  XMANAGER, 'ex_widget_window', wBase
END
```

Do you see any reason why this would cause major crashes?

Thanks,
Helder

On Thursday, April 19, 2012 5:13:50 PM UTC+2, David Fanning wrote:

> Helder writes:

>

>> I'm working with IDL 8.1 on a 64 bit window 7 pro laptop.

>> If anybody has a suggestion that might help, it would be very much appreciated.

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> especially easy to use. ;-)

>
> Cheers,
>
> David
>
>
>
> --
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Subject: Re: Problems with IDL 8.1: the Development Enviroment is not starting
Posted by [David Fanning](#) on Thu, 19 Apr 2012 15:22:59 GMT
[View Forum Message](#) <> [Reply to Message](#)

Helder writes:

> Do you see any reason why this would cause major crashes?

If upgrading your graphics driver doesn't work, try setting the default graphics rendering method to "Software". (You do this in the IDL Graphics preferences tab.) If that works, this will be you clue that you MUST upgrade your graphics driver.

Cheers,

David

--
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Subject: Re: Problems with IDL 8.1: the Development Enviroment is not starting
Posted by [Helder Marchetto](#) on Thu, 19 Apr 2012 15:25:46 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Thursday, April 19, 2012 5:22:59 PM UTC+2, David Fanning wrote:
> If upgrading your graphics driver doesn't work, try

- > setting the default graphics rendering method to
- > "Software". (You do this in the IDL Graphics preferences
- > tab.) If that works, this will be you clue that you MUST
- > upgrade your graphics driver.

I would try that, but unfortunately I can't access the properties tab... Is this parameter to be found in a (accessible) file?

Thanks, Helder

Subject: Re: Problems with IDL 8.1: the Development Enviroment is not starting
Posted by [David Fanning](#) on Thu, 19 Apr 2012 15:36:35 GMT
[View Forum Message](#) <> [Reply to Message](#)

Helder writes:

- > I would try that, but unfortunately I can't access the properties tab... Is this parameter to be found in a (accessible) file?

The preferences are stored in the "idl.pref" file in your APP_USER_DIR, wherever the hell that is! The preference you are looking for is IDL_GR_WIN_RENDERER.

(My APP_USER_DIR appears to be something like /Users/David/.idl)

Perhaps you can start IDL up in command line mode (rather than use the Workbench) and set this preference with PREF_SET. Then switch back to Workbench mode.

```
PREF_SET 'IDL_GR_WIN_RENDERER', 1, /COMMIT
```

Cheers,

David

--

David Fanning, Ph.D.

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Subject: Re: Problems with IDL 8.1: the Development Enviroment is not starting
Posted by [lecacheux.alain](#) on Thu, 19 Apr 2012 15:55:25 GMT
[View Forum Message](#) <> [Reply to Message](#)

On 19 avr, 17:05, Helder <hel...@marchetto.de> wrote:

> Hi,

> I got IDL 8.1 in the middle of February. In the middle of March I had major crashes (using the new graphics...) and since the 15 of March IDL is not starting anymore. I obviously reported the bug to my local distributor and tried the proposed solutions:

- > - basically reinstall
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> all of this did not bring any improvements.

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19:https://bugs.eclipse.org/bugs/show_bug.cgi?id=234661

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>

> Thanks,

> Helder

>

> **** .log file error ****

> !ENTRY org.eclipse.ui 4 0 2012-03-12 16:51:32.027

> !MESSAGE Unhandled event loop exception

> !STACK 0

> org.eclipse.swt.SWTException: Failed to execute runnable (java.lang.IllegalStateException)

> at org.eclipse.swt.SWT.error(SWT.java:3884)

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> at org.eclipse.ui.internal.Workbench\$5.run(Workbench.java:500)

> at org.eclipse.core.databinding.observable.Realm.runWithDefault (Realm.java:332-)

> at org.eclipse.ui.internal.Workbench.createAndRunWorkbench(Work bench.java:493)

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> at org.eclipse.core.runtime.internal.adaptor.EclipseAppLauncher

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> at org.eclipse.core.runtime.internal.adaptor.EclipseAppLauncher


```
.start(EclipseA-ppLauncher.java:79)
> at org.eclipse.core.runtime.adaptor.EclipseStarter.run(EclipseStarter.java:368-)
> at org.eclipse.core.runtime.adaptor.EclipseStarter.run(EclipseStarter.java:179-)
> at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
> at sun.reflect.NativeMethodAccessorImpl.invoke(Unknown Source)
> at sun.reflect.DelegatingMethodAccessorImpl.invoke(Unknown Source)
> at java.lang.reflect.Method.invoke(Unknown Source)
> at org.eclipse.equinox.launcher.Main.invokeFramework(Main.java: 559)
> at org.eclipse.equinox.launcher.Main.basicRun(Main.java:514)
> at org.eclipse.equinox.launcher.Main.run(Main.java:1311)
> Caused by: java.lang.IllegalStateException
> at org.eclipse.jface.text.projection.ProjectionMapping.toImageLine(ProjectionMapping.java:480)
> at org.eclipse.jface.text.TextViewer.modelLine2WidgetLine(TextViewer.java:5237-)
> at org.eclipse.jface.text.JFaceTextUtil.modelLineToWidgetLine(JFaceTextUtil.java:224)
> at org.eclipse.jface.internal.text.source.DiffPainter.paintLine (DiffPainter.java:220)
> at org.eclipse.jface.internal.text.source.DiffPainter.paint(DiffPainter.java:1-58)
> at org.eclipse.jface.text.source.LineNumberChangeRulerColumn.doPaint(LineNumberChangeRulerColumn.java:190)
> at org.eclipse.jface.text.source.LineNumberRulerColumn.doubleBufferPaint(LineNumberRulerColumn.java:692)
> at org.eclipse.jface.text.source.LineNumberRulerColumn.redraw(LineNumberRulerColumn.java:844)
> at org.eclipse.jface.internal.text.source.DiffPainter.redraw(DiffPainter.java:382)
> at org.eclipse.jface.internal.text.source.DiffPainter.access$2(DiffPainter.java:381)
> at org.eclipse.jface.internal.text.source.DiffPainter$2.run(DiffPainter.java:3-71)
> at org.eclipse.swt.widgets.RunnableLock.run(RunnableLock.java:35)
> at org.eclipse.swt.widgets.Synchronizer.runAsyncMessages(Synchronizer.java:134-)
> ... 22 more
>
>
```

Did you apply this patch (Article ID: 4672 on Exelis page) ?

"Patch available for IDL 8.1 Workbench crash problem caused by GDI object / handle leak "

alx.

Subject: Re: Problems with IDL 8.1: the Development Enviroment is not starting
 Posted by [Helder Marchetto](#) on Thu, 19 Apr 2012 15:56:54 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Thursday, April 19, 2012 5:36:35 PM UTC+2, David Fanning wrote:

> Helder writes:

>

>> I would try that, but unfortunately I can't access the properties tab... Is this parameter to be found in a (accessible) file?

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> The preferences are stored in the "idl.pref" file in
> your APP_USER_DIR, wherever the hell that is! The
> preference you are looking for is IDL_GR_WIN_RENDERER.
>
> (My APP_USER_DIR appears to be something like /Users/David/.idl)
>
> Perhaps you can start IDL up in command line mode (rather than
> use the Workbench) and set this preference with PREF_SET.
> Then switch back to Workbench mode.
>
> PREF_SET 'IDL_GR_WIN_RENDERER', 1, /COMMIT

Thanks David,
it was worth a try. I did set this preference in the command line. There was no visible improvement. I also checked afterwards with pref_get that I did indeed set this variable to 1.

Cheers,
Helder

Subject: Re: Problems with IDL 8.1: the Development Enviroment is not starting
Posted by [Helder Marchetto](#) on Thu, 19 Apr 2012 16:01:45 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Thursday, April 19, 2012 5:55:25 PM UTC+2, alx wrote:

>
> Did you apply this patch (Article ID: 4672 on Exelis page) ?
> "Patch available for IDL 8.1 Workbench crash problem caused by GDI
> object / handle leak "
> alx.

No, I didn't. I just installed it now and it did not improve anythings.
Thanks, it was worth the try.

Helder

Subject: Re: Problems with IDL 8.1: the Development Enviroment is not starting
Posted by [David Fanning](#) on Thu, 19 Apr 2012 16:11:28 GMT
[View Forum Message](#) <> [Reply to Message](#)

Helder writes:

> it was worth a try. I did set this preference in the command line. There was no visible improvement. I also checked afterwards with pref_get that I did indeed set this variable to 1.

I know you don't want to hear this, but I would do a complete fresh install after clearing out ALL my IDL directories (including the invisible ones!). Did you install the 64-bit version of IDL? That's what I am using. I note that I had a similar problem, and that it was caused by a function that I had left over in a directory from a previous beta version of the software.

Don't know what to tell you. This is just one of many frustrations I've had with IDL 8 in general. :-)

Are you updating your JAVA version on a regular basis. Eclipse problems could be related to JAVA. I update my machines regularly.

I feel for you. Python, by the way, has its own problems. Maybe there is no really good solution anymore.

Cheers,

David

--

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Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Problems with IDL 8.1: the Development Enviroment is not starting
Posted by [Helder Marchetto](#) on Thu, 19 Apr 2012 16:21:47 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Thursday, April 19, 2012 6:11:28 PM UTC+2, David Fanning wrote:

> Helder writes:

>

>> it was worth a try. I did set this preference in the command line. There was no visible improvement. I also checked afterwards with `pref_get` that I did indeed set this variable to 1.

>

> I know you don't want to hear this, but I would
> do a complete fresh install after clearing
> out ALL my IDL directories (including the
> invisible ones!). Did you install the 64-bit
> version of IDL? That's what I am using. I note
> that I had a similar problem, and that it was caused

> by a function that I had left over in a directory from
> a previous beta version of the software.
>
> Don't know what to tell you. This is just one of
> many frustrations I've had with IDL 8 in general. :-)
>
> Are you updating your JAVA version on a regular basis.
> Eclipse problems could be related to JAVA. I update
> my machines regularly.
>
> I feel for you. Python, by the way, has its own problems.
> Maybe there is no really good solution anymore.

Thanks David for your answers/comprehension. I just noticed that I can start DE of IDL 32-bit, but not IDL 64-bit... Strange... I would have thought that the crash was caused by the DE... I don't see how this relates to the 32 or 64 version.

I'll contact Exelis once again.

Cheers,
Helder

Subject: Re: Problems with IDL 8.1: the Development Enviroment is not starting
Posted by [Paul Van Delst\[1\]](#) on Fri, 20 Apr 2012 21:09:45 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello,

On 04/19/12 12:11, David Fanning wrote:
> I feel for you. Python, by the way, has its own problems.
> Maybe there is no really good solution anymore.

I recently visited my old place of employ where I started using IDL (3.something I think) back in 1994/5(?).

What I saw were a *lot* of matlab plot windows....

cheers,

paulv

Subject: Re: Problems with IDL 8.1: the Development Enviroment is not starting
Posted by [Craig Markwardt](#) on Sat, 21 Apr 2012 03:52:42 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Friday, April 20, 2012 5:09:45 PM UTC-4, Paul van Delst wrote:

> Hello,

>

> On 04/19/12 12:11, David Fanning wrote:

>> I feel for you. Python, by the way, has its own problems.

>> Maybe there is no really good solution anymore.

>

> I recently visited my old place of employ where I started using IDL (3.something I think) back in 1994/5(?).

>

> What I saw were a *lot* of matlab plot windows....

Huh, I'd a thought people would go for Python over Matlab.

Craig

Subject: Re: Problems with IDL 8.1: the Development Enviroment is not starting
Posted by [Scott\[1\]](#) on Mon, 23 Apr 2012 20:45:11 GMT

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Based on the stack trace, it looks like you are starting up a workspace with a Diff view in it that for some reason has corrupted mementos. Have you tried starting with a new, clean workspace? You can do this by passing the -data parameter, E.g.

```
idlde.exe -clean -data c:\myfolder\myworkspace
```

where c:\myfolder\myworkspace is a new empty directory you created.

Hope that helps.

Cheers,
Scott

Subject: Re: Problems with IDL 8.1: the Development Enviroment is not starting
Posted by [Helder Marchetto](#) on Mon, 23 Apr 2012 20:55:41 GMT

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On Monday, April 23, 2012 10:45:11 PM UTC+2, Scott E wrote:

> Based on the stack trace, it looks like you are starting up a workspace with a Diff view in it that for some reason has corrupted mementos. Have you tried starting with a new, clean workspace? You can do this by passing the -data parameter, E.g.

>

> idlde.exe -clean -data c:\myfolder\myworkspace

>

> where c:\myfolder\myworkspace is a new empty directory you created.

>
> Hope that helps.
>
> Cheers,
> Scott

Dear Scott,
I've tried erasing completely my workspace and I've tried doing a clean start on a new workspace.
Both didn't work :-(((

Thanks again.

Cheers,
Helder

Subject: Re: Problems with IDL 8.1: the Development Enviroment is not starting
Posted by [Kenneth P. Bowman](#) on Mon, 23 Apr 2012 21:17:49 GMT
[View Forum Message](#) <> [Reply to Message](#)

In article <19765816.51.1335213912017.JavaMail.geo-discussion-forums@ync.c41>,
Scott E <srellis@viawest.net> wrote:

> Based on the stack trace, it looks like you are starting up a workspace with
> a Diff view in it that for some reason has corrupted mementos.

I love that explanation! My brain sometimes has corrupted mementos in its
workspace too.

Ken Bowman

Subject: Re: Problems with IDL 8.1: the Development Enviroment is not starting
Posted by [David Fanning](#) on Mon, 23 Apr 2012 22:27:59 GMT
[View Forum Message](#) <> [Reply to Message](#)

Kenneth P. Bowman writes:

>
> In article <19765816.51.1335213912017.JavaMail.geo-discussion-forums@ync.c41>,
> Scott E <srellis@viawest.net> wrote:
>
>> Based on the stack trace, it looks like you are starting up a workspace with
>> a Diff view in it that for some reason has corrupted mementos.
>
> I love that explanation! My brain sometimes has corrupted mementos in its
> workspace too.

Yes, first clear explanation of an IDL technical problem I've seen in a LONG time! ;-)

Cheers,

David

--

David Fanning, Ph.D.
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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Problems with IDL 8.1: the Development Enviroment is not starting
Posted by [Scott\[1\]](#) on Tue, 24 Apr 2012 16:45:28 GMT

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Just to be clear, your workspace is not your .idl folder. By default it is C:\Documents and Settings\<username>\IDLWorkspace81

Sorry if this was already clear.

Subject: Re: Problems with IDL 8.1: the Development Enviroment is not starting
Posted by [kidpix](#) on Wed, 12 Sep 2012 12:56:42 GMT

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Hi,

I didn't want to loose all my personalization, so I traced back where the Diff view is called in the idlde startup. It was in the file:

```
/Users/[my_user]/IDLWorkspace81/.metadata/.plugins/org.eclipse.ui.workbench/workbench.xml
```

precisely, I erased the lines (it depends on the organization of your workbench):

```
<view id="org.eclipse.help.ui.HelpView" partName="Help">  
<viewState BrowserPart.url="/org.eclipse.team.svn.help/gettingStarted/subversion/svn_diffs.html"  
"pageId="browser-page"/>  
</view>
```

Than it started as normal, warning that one file was modified out on the SVN control, a re-sync to my repository and all back to normal.

Cheers!

PS: It was my fault, I modified a file remotely using vim!

On Monday, April 23, 2012 10:45:11 PM UTC+2, Scott E wrote:

> Based on the stack trace, it looks like you are starting up a workspace with a Diff view in it that for some reason has corrupted mementos. Have you tried starting with a new, clean workspace? You can do this by passing the -data parameter, E.g.
