
Subject: How to save an iTools procedure?

Posted by duxiyu@gmail.com on Mon, 31 Mar 2008 08:57:43 GMT

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Dear all,

I want to save an iTools procedure which consist of data and figures to the file, in order to edit the detail of figures next time.

But an ISV file is just a save file that contains a portion of the iTools data/vis hierarchy.

When I open ISV file, many properties of figures is missing.

If I use SAVE and RESTORE, only the variable is resotred and the figure of iTools cannot be saved.

Is there some method which can save all the iTools data?

Best regards,

Du

Subject: Re: How to save an iTools procedure?

Posted by [Vince Hradil](#) on Mon, 31 Mar 2008 21:50:50 GMT

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On Mar 31, 3:57 am, "dux...@gmail.com" <dux...@gmail.com> wrote:

> Dear all,

>

> I want to save an iTools procedure which consist of data and figures

> to the file, in order to edit the detail of figures next time.

> But an ISV file is just a save file that contains a portion of the

> iTools data/vis hierarchy.

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> figure of iTools cannot be saved.

> Is there some method which can save all the iTools data?

>

> Best regards,

> Du

http://www.dfanning.com/itool_tips/runtime.html

Subject: Re: How to save an iTools procedure?

Posted by [jdu](#) on Tue, 01 Apr 2008 05:29:42 GMT

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I have read the webpage you give me and the Tech Tip on the Research Systems web page.

But the example cannot be repeated in my computer.
I build a procedure `iplofindgen100.pro` that contains one line of code:

```
PRO iplofindgen100
  iplo, findgen(100)
END
```

Then build the Binary At The IDL Command Line

```
IDL> .FULL_RESET_SESSION
IDL> .COMPILE iplofindgen100
IDL> RESOLVE_ALL
IDL> ITRESOLVE
IDL> SAVE, /ROUTINES, FILENAME='iplofindgen100.sav'
```

Because the version of my IDL is 6.5, I use ITRESOLVE to replace the procedure IDLITRESOLVETOOLS.

However the .sav file still cannot be opened in the IDL Virtual Machine.

A warning is given.

"The following error was encountered: Attempt to call undefined procedure/function: 'IPOLTFINDGEN100'.
Please consult the supplier of the application."

Could you give me a good .sav file of the example for an iTools procedure?

Best regards,
Du

On Apr 1, 5:50 am, Vince Hradil <hrad...@yahoo.com> wrote:

> On Mar 31, 3:57 am, "dux...@gmail.com" <dux...@gmail.com> wrote:

>

>> Dear all,

>

>> I want to save an iTools procedure which consist of data and figures

>> to the file, in order to edit the detail of figures next time.

>> But an ISV file is just a save file that contains a portion of the

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>> Best regards,

>> Du

>

> http://www.dfanning.com/itool_tips/runtime.html

Subject: Re: How to save an iTools procedure?
Posted by [jdu](#) on Tue, 01 Apr 2008 07:49:47 GMT
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By the way, my purpose is to save the current state of the iTool in a single file.

With this file, I can return to the current state of the data later and continue my work.

Du

On Apr 1, 1:29 pm, jdu <jdu.u...@gmail.com> wrote:

> I have read the webpage you give me and the Tech Tip on the Research
> Systems web page.
> But the example cannot be repeated in my computer.
> I build a procedure `iplotfindgen100.pro` that contains one line of
> code:

```
>  
>   PRO iplotfindgen100  
>     iplot, findgen(100)  
>   END
```

> Then build the Binary At The IDL Command Line

```
>   IDL> .FULL_RESET_SESSION  
>   IDL> .COMPILE iplotfindgen100  
>   IDL> RESOLVE_ALL  
>   IDL> ITRESOLVE  
>   IDL> SAVE, /ROUTINES, FILENAME='iplotfindgen100.sav'
```

> Because the version of my IDL is 6.5, I use ITRESOLVE to replace the
> procedure IDLITRESOLVEITTOOLS.

> However the .sav file still cannot be opened in the IDL Virtual
> Machine.

> A warning is given.

> "The following error was encountered: Attempt to call undefined
> procedure/function: 'IPOLTFINDGEN100'.

> Please consult the supplier of the application."

> Could you give me a good .sav file of the example for an iTools
> procedure?

> Best regards,

> Du

> On Apr 1, 5:50 am, Vince Hradil <hrad...@yahoo.com> wrote:

>> On Mar 31, 3:57 am, "dux...@gmail.com" <dux...@gmail.com> wrote:

>>> Dear all,

>
>>> I want to save an iTools procedure which consist of data and figures
>>> to the file, in order to edit the detail of figures next time.
>>> But an ISV file is just a save file that contains a portion of the
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>>> figure of iTools cannot be saved.
>>> Is there some method which can save all the iTools data?
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>>> Best regards,
>>> Du
>
>> http://www.dfanning.com/itool_tips/runtime.html

Subject: Re: How to save an iTools procedure?
Posted by [Vince Hradil](#) on Tue, 01 Apr 2008 13:48:40 GMT
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On Apr 1, 2:49 am, jdu <jdu.u...@gmail.com> wrote:

> By the way, my purpose is to save the current state of the iTool in a
> single file.
> With this file, I can return to the current state of the data later
> and continute my work.

>
> Du

>
> On Apr 1, 1:29 pm, jdu <jdu.u...@gmail.com> wrote:> I have read the webpage you give me
and the Tech Tip on the Research
>> Systems web page.
>> But the example cannot be repeated in my computer.
>> I build a procedure iplotfindgen100.pro that contains one line of
>> code:

>
>> PRO iplotfindgen100
>> iplot, findgen(100)
>> END

>
>> Then build the Binary At The IDL Command Line
>> IDL> .FULL_RESET_SESSION
>> IDL> .COMPILE iplotfindgen100
>> IDL> RESOLVE_ALL
>> IDL> ITRESOLVE
>> IDL> SAVE, /ROUTINES, FILENAME='iplotfingen100.sav'
>> Because the version of my IDL is 6.5, I use ITRESOLVE to replace the
>> procedure IDLITRESOLVEITTOOLS.
>> However the .sav file still cannot be opened in the IDL Virtual

>> Machine.
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>
>> Could you give me a good .sav file of the example for an iTools
>> procedure?
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>> Best regards,
>> Du
>
>> On Apr 1, 5:50 am, Vince Hradil <hrad...@yahoo.com> wrote:
>
>>> On Mar 31, 3:57 am, "dux...@gmail.com" <dux...@gmail.com> wrote:
>
>>>> Dear all,
>
>>>> I want to save an iTools procedure which consist of data and figures
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>>>> But an ISV file is just a save file that contains a portion of the
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>>>> figure of iTools cannot be saved.
>>>> Is there some method which can save all the iTools data?
>
>>>> Best regards,
>>>> Du
>
>>> http://www.dfanning.com/itool_tips/runtime.html

It works fine on my machine - btw, I think David's page is not quite
right, I too had to use itresolve.pro.
Have you checked all your spellings? Your error stated
'IPOLTFINDGEN100' could not be found... shouldn't the filename be
'IPLOTTFINDGEN100.PRO'?

Subject: Re: How to save an iTools procedure?
Posted by [David Fanning](#) on Tue, 01 Apr 2008 14:03:08 GMT
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Vince Hradil writes:

> It works fine on my machine - btw, I think David's page is not quite
> right, I too had to use itresolve.pro.

Updated now. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

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

Subject: Re: How to save an iTools procedure?

Posted by chris_torrence@NOSPAM on Tue, 01 Apr 2008 15:11:58 GMT

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Hi Du,

It sounds like you want to save the actual state of your iTool, including the data and visualizations. If you use David & Vince's methods, you are actually saving the IDL code that creates the iTool, but not the actual iTool state. I don't think that's what you want.

You *should* be able to simply save into a .isv file, and that should save all of the data and visualizations needed for that particular iTool.

Can you give an example of either data or properties that are not getting saved? If so, that would be a bug, and we could fix it.

-Chris
ITTVIS

Subject: Re: How to save an iTools procedure?

Posted by duxiyu@gmail.com on Wed, 02 Apr 2008 02:54:06 GMT

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Yes.

All I want is to save the data and visualizations into a file.

I have read the iTool user guide.

It seems that the .isv file can meet my requirement.

But there are always some errors about the .isv file.

For example:

```
u=fltarr(50,50)
```

```
a=randomn(seed,50)
for i=0,49 do u[i,i]=a[i]

v=fltarr(50,50)
b=randomn(seed,50)
for i=0,49 do v[i,i]=b[i]

x=findgen(50)*2*pi/50.
y=sin(x)

ivector,u,v,x,y
```

Then insert a plot visualization using x and y in the iTool window.

At last save the isv file for this iTool.

But this isv file cannot be opened by IDL, some errors occur when I double-click it.

When I only use the iplot, there is no problem.

As soon as the iVector visualization is used, such-and-such errors of isv file occur.

Du

On Apr 1, 11:11 pm, Chris Torrence <gorth...@gmail.com> wrote:

```
> Hi Du,
>
> It sounds like you want to save the actual state of your iTool,
> including the data and visualizations. If you use David & Vince's
> methods, you are actually saving the IDL code that creates the iTool,
> but not the actual iTool state. I don't think that's what you want.
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> iTool.
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> Can you give an example of either data or properties that are not
> getting saved? If so, that would be a bug, and we could fix it.
>
> -Chris
> ITTVIS
```

Subject: Re: How to save an iTools procedure?

Posted by duxiyu@gmail.com on Wed, 02 Apr 2008 02:59:40 GMT

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Moreover, sometime a isv file cannot be opened by double-click.
However, if you start a iTool at first, click file->open and select

that isv file, it can be opened.
I do not know why it happens.

Du

On Apr 2, 10:54 am, "dux...@gmail.com" <dux...@gmail.com> wrote:

> Yes.
> All I want is to save the data and visualizations into a file.
> I have read the iTool user guide.
> It seems that the .isv file can meet my requirement.
>
> But there are always some errors about the .isv file.
> For example:
> u=fltarr(50,50)
> a=randomn(seed,50)
> for i=0,49 do u[i,i]=a[i]
>
> v=fltarr(50,50)
> b=randomn(seed,50)
> for i=0,49 do v[i,i]=b[i]
>
> x=findgen(50)*2*!pi/50.
> y=sin(x)
>
> ivector,u,v,x,y
>
> Then insert a plot visualization using x and y in the iTool window.
> At last save the isv file for this iTool.
> But this isv file cannot be opened by IDL, some errors occur when I
> double-click it.
> When I only use the iplot, there is no problem.
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>> getting saved? If so, that would be a bug, and we could fix it.
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>> -Chris
>> ITTVIS

Subject: Re: How to save an iTools procedure?
Posted by duxiyu@gmail.com on Fri, 04 Apr 2008 02:01:51 GMT
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Dear all,

Is there someone who can help me?

Du

On Apr 2, 10:59 am, "dux...@gmail.com" <dux...@gmail.com> wrote:

> Moreover, sometime a .isv file cannot be opened by double-click.
> However, if you start a iTool at first, click file->open and select
> that .isv file, it can be opened.
> I do not know why it happens.

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>
> On Apr 2, 10:54 am, "dux...@gmail.com" <dux...@gmail.com> wrote:

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>> It seems that the .isv file can meet my requirement.

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>>      for i=0,49 do v[i,i]=b[i]
>
>>      x=findgen(50)*2*pi/50.
>>      y=sin(x)
>
>>      ivector,u,v,x,y
>
```

>> Then insert a plot visualization using x and y in the iTool window.
>> At last save the isv file for this iTool.
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>
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>>> -Chris
>>> ITTVIS

Subject: Re: How to save an iTools procedure?
Posted by [David Fanning](#) on Fri, 04 Apr 2008 02:28:04 GMT
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duxiyu@gmail.com writes:

> Is there someone who can help me?

Ken Bowman is the only one on this newsgroup who I know uses iTools. Sending a note with a \$50 bill attached to him might help. Otherwise, I'd be looking to file a bug report with ITTVIS.

Cheers,

David

--

David Fanning, Ph.D.

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

Subject: Re: How to save an iTools procedure?
Posted by [Kenneth P. Bowman](#) on Fri, 04 Apr 2008 13:27:39 GMT
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In article <MPG.225f401bebc563c798a319@news.frii.com>,
David Fanning <news@dfanning.com> wrote:

> duxiyu@gmail.com writes:
>
>> Is there someone who can help me?
>
> Ken Bowman is the only one on this newsgroup who I
> know uses iTools. Sending a note with a \$50 bill attached
> to him might help. Otherwise, I'd be looking to file
> a bug report with ITTVIS.
>
> Cheers,
>
> David

I never open an ISV file by double-clicking it, because I don't run the
development environment. I save an ISV file by using my ITOOLS_SAVE_ISV_KPB
procedure and open them from the command line with ITOOLS_OPEN_ISV_KPB.

You can get these routines in my downloadable IDL library

http://csrp.tamu.edu/downloads/idl/bowman_lib.zip

Is this an OS level problem with the .isv file type not been correctly
associated with IDL?

Ken
