
Subject: Re: SAVE compress and Gzip
Posted by [jeanh](#) on Fri, 18 Jun 2010 14:23:26 GMT
[View Forum Message](#) <> [Reply to Message](#)

On 18/06/2010 7:33 AM, Xavi Llorca wrote:

> Hi,
>
> I'm trying to compress save files already done.
>
> If I compress the sav files in the unix terminal with Gzip, then IDL
> "RESTORE" command does not recognize them:
> IDL> save, a, filename='test.sav'
> IDL> exit
> \$ gzip test.sav
> \$ idl
> IDL> restore, 'test.sav.gz'
> % RESTORE: Not a valid save file: test.sav.gz
>
> This trick worked for binary files and OPEN command.
>
> Any ideas how can I manage to compress lots of save files already
> done, creating save files which can be directly opened from inside
> IDL?
>
> Thanks in advance,
> Xavi

have you tried
save, a, filename='test.sav', /compress

Jean

Subject: Re: SAVE compress and Gzip
Posted by [Xavi Llorca](#) on Mon, 21 Jun 2010 16:24:01 GMT
[View Forum Message](#) <> [Reply to Message](#)

On 18 jun, 16:23, jeanh

<jghasb...@DELETETHIS.environmentalmodelers.ANDTHIS.com> wrote:

> On 18/06/2010 7:33 AM, Xavi Llorca wrote:
>
>
>
>
>
>
>> Hi,
>
>> I'm trying to compress save files already done.

>
>> If I compress the sav files in the unix terminal with Gzip, then IDL
>> "RESTORE" command does not recognize them:
>> IDL> save, a, filename='test.sav'
>> IDL> exit
>> \$ gzip test.sav
>> \$ idl
>> IDL> restore, 'test.sav.gz'
>> % RESTORE: Not a valid save file: test.sav.gz
>
>> This trick worked for binary files and OPEN command.
>
>> Any ideas how can I manage to compress lots of save files already
>> done, creating save files which can be directly opened from inside
>> IDL?
>
>> Thanks in advance,
>> Xavi
>
> have you tried
> save, a, filename='test.sav', /compress
>
> Jean

Maybe I did not explain well the problem...

The savs are already done and I would like to compress them individually, in a manner that the programs that open them will not notice.

To use the keyword /compress is what I should have done and I didn't ;)

Xavi

Subject: Re: SAVE compress and Gzip
Posted by [David Fanning](#) on Mon, 21 Jun 2010 16:32:51 GMT
[View Forum Message](#) <> [Reply to Message](#)

Xavi Llort writes:

> The savs are already done and I would like to compress them
> individually, in a manner that the programs that open them will not
> notice.
> To use the keyword /compress is what I should have done and I
> didn't ;)

Ah! I'm planning a long, 500 mile hike later this summer.

A hike I first did 40 years ago this summer that changed my life in many ways. I think about this hike (and my life) a lot these days. This morning on the way to work a song came on the radio that made me sad. I was thinking about that on the way back from getting my coffee this morning. I think I'm sad about roads not taken and now closed off on any possible way forward.

All this to just say, I feel your pain. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Sepore ma de ni thue. ("Perhaps thos speakest truth.")

Subject: Re: SAVE compress and Gzip

Posted by [jeanh](#) on Mon, 21 Jun 2010 16:50:42 GMT

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

On 21/06/2010 12:24 PM, Xavi Llord wrote:

> On 18 jun, 16:23, jeanh

> <jghasb...@DELETETHIS.environmentalmodelers.ANDTHIS.com> wrote:

>> On 18/06/2010 7:33 AM, Xavi Llord wrote:

>>

>>

>>

>>

>>

>>> Hi,

>>

>>> I'm trying to compress save files already done.

>>

>>> If I compress the sav files in the unix terminal with Gzip, then IDL

>>> "RESTORE" command does not recognize them:

>>> IDL> save, a, filename='test.sav'

>>> IDL> exit

>>> \$ gzip test.sav

>>> \$ idl

>>> IDL> restore, 'test.sav.gz'

>>> % RESTORE: Not a valid save file: test.sav.gz

>>
>>> This trick worked for binary files and OPEN command.
>>
>>> Any ideas how can I manage to compress lots of save files already
>>> done, creating save files which can be directly opened from inside
>>> IDL?
>>
>>> Thanks in advance,
>>> Xavi
>>
>> have you tried
>> save, a, filename='test.sav', /compress
>>
>> Jean
>
> Maybe I did not explain well the problem...
>
> The savs are already done and I would like to compress them
> individually, in a manner that the programs that open them will not
> notice.
> To use the keyword /compress is what I should have done and I
> didn't ;)
>
> Xavi

ah ok,
what about writing a small program that search for all .sav files, then,
in a loop, call a procedure that open the sav files and do a save, /all
/compress with the same (?) filename. (the extra procedure is to make
sure that only the variables of the current sav files are in scope and
saved)

Jean

Subject: Re: SAVE compress and Gzip
Posted by [Xavi Llorca](#) on Tue, 06 Jul 2010 12:37:12 GMT
[View Forum Message](#) <> [Reply to Message](#)

On 21 jun, 18:50, jeanh
<jghasb...@DELETETHIS.environmentalmodelers.ANDTHIS.com> wrote:
> On 21/06/2010 12:24 PM,XaviLlorca wrote:
>
>
>
>
>
>> On 18 jun, 16:23, jeanh

```

>> <jghasb...@DELETETHIS.environmentalmodelers.ANDTHIS.com> wrote:
>>> On 18/06/2010 7:33 AM,XaviLlort wrote:
>
>>>> Hi,
>
>>>> I'm trying to compress save files already done.
>
>>>> If I compress the sav files in the unix terminal with Gzip, then IDL
>>>> "RESTORE" command does not recognize them:
>>>> IDL> save, a, filename='test.sav'
>>>> IDL> exit
>>>> $ gzip test.sav
>>>> $ idl
>>>> IDL> restore, 'test.sav.gz'
>>>> % RESTORE: Not a valid save file: test.sav.gz
>
>>>> This trick worked for binary files and OPEN command.
>
>>>> Any ideas how can I manage to compress lots of save files already
>>>> done, creating save files which can be directly opened from inside
>>>> IDL?
>
>>>> Thanks in advance,
>>>> Xavi
>
>>> have you tried
>>> save, a, filename='test.sav', /compress
>
>>> Jean
>
>> Maybe I did not explain well the problem...
>
>> The savs are already done and I would like to compress them
>> individually, in a manner that the programs that open them will not
>> notice.
>> To use the keyword /compress is what I should have done and I
>> didn't ;)
>
>> Xavi
>
> ah ok,
> what about writing a small program that search for all .sav files, then,
> in a loop, call a procedure that open the sav files and do a save, /all
> /compress with the same (?) filename. (the extra procedure is to make
> sure that only the variables of the current sav files are in scope and
> saved)
>
> Jean

```

This worked, THANKS!

In fact, the files were not mine, but used a lot of disk space! :P

Xavi

Subject: Re: SAVE compress and Gzip
Posted by [Aram Panasenco](#) on Mon, 12 Jul 2010 20:17:52 GMT
[View Forum Message](#) <> [Reply to Message](#)

Xavi Llorca wrote:

```
> On 21 jun, 18:50, jeanb
> <jghasb...@DELETETHIS.environmentalmodelers.ANDTHIS.com> wrote:
>> On 21/06/2010 12:24 PM,XaviLlorca wrote:
>>
>>
>>
>>
>>
>>> On 18 jun, 16:23, jeanb
>>> <jghasb...@DELETETHIS.environmentalmodelers.ANDTHIS.com> wrote:
>>>> On 18/06/2010 7:33 AM,XaviLlorca wrote:
>>>>
>>>> > Hi,
>>>>
>>>> > I'm trying to compress save files already done.
>>>>
>>>> > If I compress the sav files in the unix terminal with Gzip, then IDL
>>>> > "RESTORE" command does not recognize them:
>>>> > IDL> save, a, filename='test.sav'
>>>> > IDL> exit
>>>> > $ gzip test.sav
>>>> > $ idl
>>>> > IDL> restore, 'test.sav.gz'
>>>> > % RESTORE: Not a valid save file: test.sav.gz
>>>>
>>>> > This trick worked for binary files and OPEN command.
>>>>
>>>> > Any ideas how can I manage to compress lots of save files already
>>>> > done, creating save files which can be directly opened from inside
>>>> > IDL?
>>>>
>>>> > Thanks in advance,
>>>> > Xavi
>>>>
>>>> have you tried
```

```
>>>> save, a, filename='test.sav', /compress
>>
>>>> Jean
>>
>>> Maybe I did not explain well the problem...
>>
>>> The savs are already done and I would like to compress them
>>> individually, in a manner that the programs that open them will not
>>> notice.
>>> To use the keyword /compress is what I should have done and I
>>> didn't ;)
>>
>>> Xavi
>>
>> ah ok,
>> what about writing a small program that search for all .sav files, then,
>> in a loop, call a procedure that open the sav files and do a save, /all
>> /compress with the same (?) filename. (the extra procedure is to make
>> sure that only the variables of the current sav files are in scope and
>> saved)
>>
>> Jean
>
> This worked, THANKS!
>
> In fact, the files were not mine, but used a lot of disk space! :P
>
> Xavi
```

I might be a little late but I'd just like to say that you can also compress any files/directories by spawning the tar command. For example, here's code that compresses a file:

```
spawn, 'tar czf ""+PathToCompressedFile+'.tar.gz'
""+PathToFileToBeCompressed+""
```
