
Subject: Re: sec_to_dt has gone missing!
Posted by [David Foster](#) on Thu, 29 Oct 1998 08:00:00 GMT
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David Fanning wrote:

```
>
> Nigel Wade (nmw@ion.le.ac.uk) writes:
>
>> In the documentation for IDL 5.1 the function SEC_TO_DT is mentioned.
>> When I try to use it, it doesn't exist.
>
> Mine works:
>
> IDL> print, sec_to_dt(100000)
> % Compiled module: SEC_TO_DT.
> % Compiled module: IDLDT__DEFINE.
> % Compiled module: DT_ADD.
> % Compiled module: JUL_TO_DT.
> % Compiled module: CALDAT.
> % Compiled module: VAR_TO_DT.
> % Compiled module: JULDAY.
> { -4713  1  2 15 46   40.0000   2.1574074  0}
>
> IDL> print, !version
> { x86 Win32 Windows 5.1.1 Jul 20 1998}
```

Mine is broken:

```
IDL> print, sec_to_dt(100000)
% Variable is undefined: SEC_TO_DT.
% Execution halted at: $MAIN$
IDL> print, !version
{ sparc sunos unix 5.1 Apr 13 1998}
IDL>
```

Dave

--

```
~~~~~
David S. Foster      Univ. of California, San Diego
Programmer/Analyst  Brain Image Analysis Laboratory
foster@bial1.ucsd.edu  Department of Psychiatry
(619) 622-5892       8950 Via La Jolla Drive, Suite 2240
                    La Jolla, CA 92037
~~~~~
```

Subject: Re: sec_to_dt has gone missing!
Posted by [davidf](#) on Thu, 29 Oct 1998 08:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

Note: A copy of this article was e-mailed to the original poster.

Nigel Wade (nmw@ion.le.ac.uk) writes:

- > In the documentation for IDL 5.1 the function SEC_TO_DT is mentioned.
- > When I try to use it, it doesn't exist.
- >
- > I've searched the installation directories and can find no mention of
- > this function anywhere except in the documentation.
- >
- > Does it really exist? Has anyone got it in their distribution?

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```

```
IDL> print, !version
{ x86 Win32 Windows 5.1.1 Jul 20 1998}
```

Cheers,

David

David Fanning, Ph.D.
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Phone: 970-221-0438, Toll-Free Book Orders: 1-888-461-0155
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Subject: Re: sec_to_dt has gone missing!
Posted by [Nigel Wade](#) on Fri, 30 Oct 1998 08:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

David Fanning wrote:

>
> Note: A copy of this article was e-mailed to the original poster.
>
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>
> IDL> print, !version
> { x86 Win32 Windows 5.1.1 Jul 20 1998}

This is significant ^^^^

>
> Cheers,
>
> David
>
> -----
> David Fanning, Ph.D.
> Fanning Software Consulting
> E-Mail: davidf@dfanning.com
> Phone: 970-221-0438, Toll-Free Book Orders: 1-888-461-0155
> Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

I guess someone forgot to include it in 5.1.

I've just downloaded 5.1.1 and it is in there.

--

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Phone : +44 (0)116 2523568, Fax : +44 (0)116 2523555

Subject: Re: sec_to_dt has gone missing!
Posted by [Kevin Ivory](#) on Fri, 30 Oct 1998 08:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

>> Nigel Wade (nmw@ion.le.ac.uk) writes:
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>>> When I try to use it, it doesn't exist.
>>
> David Fanning wrote:
>> Mine works:
David Foster wrote:
> Mine is broken:

It is complete and working in IDL 5.1.1 for Linux, so I'll simply attach
a copy of the file (the code is only a few lines) to the end of this
message.

Kevin

--

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Max-Planck-Str. 2 mailto:Kevin.Ivory@linmpi.mpg.de
D-37191 Katlenburg-Lindau, GERMANY http://www.gwdg.de/~kivory2/

----- cut here -----
; \$Id: sec_to_dt.pro,v 1.1 1998/04/27 22:08:38 slett Exp \$
;
;
; Copyright (c) 1997-1998, Research Systems, Inc. All rights reserved.
; Unauthorized reproduction prohibited.
FUNCTION SEC_TO_DT, seconds, Base=base, Date_fmt=date_fmt
;
;+
; NAME:
; SEC_TO_DT
;
;
;
; PURPOSE:
; Convert time from seconds-since-base to an IDLDT structure
;
;
;
; CATEGORY:
; MISC

```

;
;
;
; CALLING SEQUENCE:
;   result = SEC_TO_DT( seconds)
;
;
;
; INPUTS:
;   seconds: a floating point scalar, giving the number of seconds
;   elapsed from the base date.
;
;
;
; OPTIONAL INPUTS:
;
;
;
;
; KEYWORD PARAMETERS:
;   BASE: A keyword in string format (see STR_TO_DT), giving the
;   base date. The default value is calculated from !DT_BASE.
;   (Please see IDLDT__DEFINE for a description of !DT_BASE)
;
;   Date_Fmt: An integer indicating the format of the BASE keyword.
;   (Please see STR_TO_DT for an explanation of Date_Fmt)
; OUTPUTS:
;   Returns an IDLDT structure with the date corresponding to
;   the base date plus the seconds parameter.
;
;
;
; OPTIONAL OUTPUTS:
;
;
;
; COMMON BLOCKS:
;
;
;
; SIDE EFFECTS:
;
;
;
; RESTRICTIONS:
;
;
;
; PROCEDURE:
;
;
;
; EXAMPLE:

```

```
; PRINT, SEC_TO_DT( 245004.0)
;
;
;
; MODIFICATION HISTORY:
;
;-
```

```
tmp = {idldt}
```

```
IF keyword_set( base ) THEN BEGIN
    ret_val = STR_TO_DT( base, Date_fmt=date_fmt )
ENDIF ELSE BEGIN
    ret_val = !dt_base
ENDELSE
```

```
ret_val = DT_ADD( ret_val, second = seconds)
```

```
RETURN, ret_val
END
```
