
Subject: Re: trapping type conversion errors
Posted by [Craig Markwardt](#) on Wed, 01 Nov 2000 22:45:19 GMT
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Vapuser <vapuser@catspaw.jpl.nasa.gov> writes:

> I may be missing something, but are type conversion errors
> untrappable?

Apparently you trap these with ON_IOERROR. I just verified this with your example. I think some other folks on the list know some caveats about this; it may not always be foolproof.

As for math errors, yes I believe the only way to detect them is with CHECK_MATH().

Craig

--

Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response

Subject: Re: trapping type conversion errors
Posted by [George Constantinides](#) on Wed, 01 Nov 2000 22:59:08 GMT
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William,

The error generated in your example is an IO error and can be trapped with ON_IOERROR. It is a bit of a pain that CATCH will not catch this type of error, but all is not lost.

```
PRO junk
; catch,error
; IF error NE 0 THEN BEGIN
;   message,!error_state.msg,/info
;   return
; ENDIF
```

```
ON_IOERROR, bad_data
```

```
t = ['01','aa']
tt = fix(t,type=2)
```

```
;print,"I'm here"  
;message,!error_state.msg,/info
```

```
; help,!error_state,/st
```

Return

```
bad_data:  
  help,!error_state,/st
```

END

Regards,

George Constantinides
email: GeorgeC@mhl.nsw.gov.au
URL: http://www.mhl.nsw.gov.au

Subject: Re: trapping type conversion errors
Posted by [Vapuser](#) on Thu, 02 Nov 2000 18:52:58 GMT
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Craig Markwardt <craigmnet@cow.physics.wisc.edu> writes:

```
> Vapuser <vapuser@catspaw.jpl.nasa.gov> writes:  
>  
>> I may be missing something, but are type conversion errors  
>> untrappable?  
>  
> Apparently you trap these with ON_IOERROR. I just verified this with  
> your example.
```

Thanks.

I decided to just check the !error_state structure. I guess I see the sense in making these be IO errors, but sometimes I wonder if a more **comprehensive** error trapping strategy would be better.

```
> I think some other folks on the list know some caveats  
> about this; it may not always be foolproof.  
>
```

If anyone knows of any exceptions, could you let me know?

whd
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