

Q: What do errors like the following mean?

```
DPS client library error while writing to connection DPS context  
c18c data -102
```

A: The error reporter is basically printing out the elements of data passed in the exception initiated by `NX_RAISE()`. Usually the header file that defines the exception codes tells what data items are also passed. Since this is a DPS client library error, we look through `<dpsclient/dpsclient.h>` for a write error exception code:

```
dps_err_select, dps_err_read and dps_err_write signal communication  
errors in the connection. The OS return code is passed in arg1;  
arg2 is unused.
```

In interpreting the `dpsclient` error message, the first data item is always the DPS context in which the error occurred. The second item corresponds to `arg1`. Note that any `arg2` referred to in the exception code description doesn't get passed from the `DPSErrorFunc` into the `NXRaise` exception scheme. Luckily, there aren't any DPS errors where `arg2` is essential info.

So, for the above error, the c18c is a DPS context and the -102 is a Mach return code. The Mach codes happen to be defined in <sys/message.h>. By the way, negative numbers in about the -100 to -1000 range tend to be Mach error return codes.

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Valid for 1.0, 2.0, 3.0