

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