

Header files with enums instead of defines?

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To: FreeBSD Architecture Mailing List <arch@FreeBSD.org>

Has anybody thought about replacing #defines with enums in header files? It would make debugging a whole lot easier. For example, I'm currently looking at a debug printout which contains:

```
xerrno = 17,
```

To find out what that means, I need to go to /usr/src/include/sys/errno.h and look for 17. I find:

```
#define EEXIST 17 /* File exists */
```

If we were to change this to

```
enum EEXIST = 17; /* File exists */
```

I'd then be able to see:

```
xerrno = EEXIST,
```

That makes debugging a whole lot easier. About the only downside I can see is that you can't #undef an enum. Is this a big deal?

Greg

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See complete headers for address and phone numbers.

- application/pgp-signature attachment: [stored](#)