

Re: dynamically linked root and nscd

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Date: Sat, 28 Jun 2003 10:25:03 +0400 (MSD)
To: Bosko Milekic <bmilekic@technokratis.com>

On Fri, 27 Jun 2003, Bosko Milekic wrote:

BM> So, to the guys from RSU: why is a dynamically-linked-root important
BM> for the daemon dispatcher/cache engine idea?

We (guys from RSU) have to have a clear understanding of the road FreeBSD's NSS will be developed. Linux/Solaris seem to implement 'in process' model of NSS. MacOS X seem to have 'IPC' model (correct me if I'm wrong).

'In process' model has the benefit of being (semi-)compatible with existing NSS modules (at least it can be implemented this way). This means that third-party open source modules can be used in FreeBSD (ex. padl's nss_ldap). But 'in process' model doesn't support static binaries.

'IPC' model will work fine with static binaries, but it's very different from 'in process' model. With 'ICP' model FreeBSD will need it's own set of NSS modules.

If I understood correctly there is some interest in combination of both of these model, correct? Do we really need both of this models? With dynamicly linked root we have a working 'in process' NSS and only 'clean caching' daemon is required. We are ready to work hard on a project that is really needed but we can not waste our time on code that will be discarded (as it happened with our IPC implementation of NSS).

Our final question is: should we develop a 'caching only' daemon or a daemon which will also dispatch requests to NSS agents?

I hope my English is understandable. If not – please let me know and I'll try to re-express my thoughts.

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