

Re: TZ info used by dB drivers

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 - *Date:* Mon, 9 Jul 2007 06:37:35 -0700
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On 7/8/07, d_roesler@xxxxxxxxxxxx <d_roesler@xxxxxxxxxxxx> wrote:

I'm trying to track down how TZ info is used by a dB driver, in this case DBD::Ingres.

It would appear that TZ is getting passed to the driver on the first connection (when the driver is installed) and doesn't see changes to `$ENV{TZ}` between the first connection and subsequent connections in the running script.

If this is a driver issue is there an "uninstall driver" method, such that subsequent connections will reload the driver in the running script so the changed `$ENV{TZ}` will be seen? If this is a DBI issue is there a way for the changed `$ENV{TZ}` value to be seen in the driver?

There are multiple places that could be affected by this – I just spent the weekend chasing timezones around a JDBC driver, and it is painful.

The underlying Unix API really only provides one function call to control the current time zone, and call is `tzset()`. No arguments, no return value. It gets called implicitly by a bunch of functions, too, if they think it necessary. The result is 'gating'; the time zone is set once and not adjustable thereafter — which is what you are observing.

Speculation: maybe, just maybe, if you set the environment and manage to explicitly call `tzset()` afterwards, it might, conceivable notice the new time zone. But I'm not confident that it would, and could easily be platform specific.

The `java.util.Date`, `java.util.Calendar` and `java.util.TimeZone` APIs allow for a lot of control and information for which there is no corresponding C API, sadly.

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Jonathan Leffler <jonathan.leffler@xxxxxxxx> #include <disclaimer.h>
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"Blessed are we who can laugh at ourselves, for we shall never cease to be
amused."