

**NAME**

`crda` – send to the kernel a wireless regulatory domain for a given ISO / IEC 3166 alpha2

**SYNOPSIS**

`crda`

**Description**

`crda` is the Linux wireless central regulatory domain agent. `crda` is intended to be used by `udev` scripts and should not be run manually unless debugging `udev` scripts. `crda` is triggered to run by the kernel by sending a `udev` event upon a new regulatory domain change. Regulatory domain changes are triggered by the wireless kernel subsystem (upon initialization and on reception of country IEs), wireless drivers, or userspace (see `iw`). Upon a regulatory domain change the kernel sends a `udev` change event for the regulatory platform. The kernel ignores regulatory domains sent to it if it does not expect them. The regulatory domain is read by `crda` from the `regulatory.bin` file.

**RSA Digital Signature**

If built with `openssl` or `gcrypt` support `crda` will have embedded into it an RSA digital signature which will prevent it from reading corrupted or non-authored `regulatory.bin` files. Authorship is respected by the RSA public key packed into `crda`. This specific `crda` package has been built with RSA public keys from *John Linville (the Linux wireless kernel maintainer)* and *Seth Forshee (the wireless regulatory database maintainer)* and as such will only read `regulatory.bin` files signed by one of them. For further information see the `regulatory.bin` man page.

**UDEV RULE**

A `udev` regulatory rule must be put in place in order to receive and parse `udev` events from the kernel in order to get `udev` to call `crda` with the passed ISO / IEC 3166 alpha2 country code. An example `udev` rule which can be used (usually in `/lib/udev/rules.d/85-regulatory.rules`):

```
KERNEL=="regulatory*", ACTION=="change", SUBSYSTEM=="platform", RUN+="/sbin/crda"
```

**Environment variable**

Set the `COUNTRY` environment variable with a specific ISO / IEC 3166 alpha2 country code and then run `crda` without arguments. This will send a regulatory domain for that alpha2 to the kernel.

**SEE ALSO**

`iw(8)` `regulatory.bin(5)`

<http://wireless.kernel.org/en/developers/Regulatory/>