

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/>