

## VSCADA CAN interface

Sam Cesario

### SocketCAN

Linux Kernel that has CAN patches: v2.6.25 Linux Kernel.

<http://en.wikipedia.org/wiki/SocketCAN>

### Steps to interface with CAN

Install can-utils (<http://elinux.org/Can-utils>)

- git clone <https://github.com/linux-can/can-utils.git>
- cd can-utils
- ./autogen.sh
- ./configure
- make
- make install (with root privileges)

### Usage:

SocketCAN has the ability to have virtual can drivers (vcan)

Setting up the Can link

```
$ modprobe can
```

```
$ modprobe vcan
```

```
$ sudo ip link add dev vcan0 type vcan
```

```
$ sudo ip link set up vcan0
```

```
$ ip link show vcan0
```

Some commands to get started

```
candump <interface> <data>
```

```
ex: candump vcan 123#11.22.33.44.55.66.77.88
```

```
123 = can_id
```

```
11.22.33.44.55.66.77.88 = data
```