Soft entries in CK describe how to detect if a given software is already installed, how to set up all its environment including all paths (to binaries, libraries, include, aux tools, etc), and how to detect its version

```
$ ck list soft:compiler*
```

```
$ ck detect soft:compiler.gcc
```

```
$ ck detect soft --tags=compiler,cuda
```

```
$ ck detect soft:compiler.llvm
```

```
$ ck search soft --tags=blas
```

```
$ ck detect soft:lib.cublas
```

Env entries are created in CK local repo for all found software instances together with their meta and an auto-generated environment script **env.sh** (on Linux) or **env.bat** (on Windows)

```
$ ck  show env
```

```
$ ck show env –tags=cublas
```

```
$ ck rm env:* –tags=cublas
```

Local CK repo

local / env / 03ca0be16962f471 / env.sh
Tags: compiler,cuda,v8.0

local / env / 0a5ba198d48e3af3 / env.bat
Tags: lib,blas,cublas,v8.0

Package entries describe how to install a given software if it is not already installed (using CK Python plugin together with **install.sh** script on Linux host or **install.bat** on Windows host)

```
$ ck list package:*caffemodel*
```

```
$ ck search package –tags=caffe
```

```
$ ck list package:*tensorflow*
```

```
$ ck install package:caffemodel-bvlc-googlenet
```

```
$ ck install package:imagenet-2012-val
```

```
$ ck install package:lib-caffe-bvlc-master-cuda-universal
```

```
$ ck install package:lib-tensorflow-cuda
```