

**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,gcc
```

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

```
$ ck search soft --tags=rtl,codelet
```

```
$ ck detect soft:lib.rtl.milepost.codelet
```

**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=gcc
```

```
$ ck rm env:* --tags=gcc
```

```
local / env / c0eaf14b359a3cf4 / env.sh  
Tags: compiler,gcc,v7.1.0
```

```
local / env / 20a8624092518682 / env.bat  
Tags: compiler,gcc,v4.9.2
```

Local CK repo

**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 ck-autotuning:package:*
```

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

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

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

```
$ ck install package:lib-rtl-milepost-codelets
```

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

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

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

```
$ ck install package:lib-tensorflow-cpu-make
```