

CIL @ APK

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Installation Guide

- Tested on **Ubuntu Precise 12.04 64-bit**
- **OSX:** No luck so far (something wrong about libstr.a)
- **Windows:** Not tested, see:
<http://www.cs.berkeley.edu/~necula/cil/>

```
sudo apt-get install ocaml build-essential  
sudo ln -s /usr/lib/ocaml/libcamlstr.a /usr/lib/ocaml/libstr.a
```

second line is a workaround, since CIL doesn't want to work
with new version of Ocaml

```
wget http://www.cs.berkeley.edu/~necula/cil/  
distrib/cil-1.3.7.tar.gz  
tar xf cil-1.3.7.tar.gz  
cd cil-1.3.7  
./configure  
make && make quickest
```

for convenience

ln -s obj/x86_LINUX/cilly.asm.exe /usr/bin/cilly

Flow:

- Create analysis (in Ocaml)
- Reconfigure CIL
- Rebuild CIL
- Run your analysis

I've created scripts

<https://github.com/Killavus/CIL-Scripts>

Read the README for more info.

CIL documentation:

<http://www.cs.berkeley.edu/~necula/cil/>

Approach: We're using Visitor pattern, check it out:
http://en.wikipedia.org/wiki/Visitor_pattern

Thank you!