FROM ubuntu:trusty

# setup source

RUN sudo mkdir -p sloopy/llvm

RUN sudo apt-get update && sudo apt-get install -y curl git

RUN sudo curl http://releases.llvm.org/3.4.2/llvm-3.4.2.src.tar.gz | tar xz -C sloopy/llvm --strip-components 1

RUN sudo mkdir -p sloopy/llvm/tools/clang

RUN sudo curl http://releases.llvm.org/3.4.2/cfe-3.4.2.src.tar.gz | tar xz -C sloopy/llvm/tools/clang/ --strip-components 1

RUN sudo mkdir -p sloopy/llvm/tools/clang/tools

WORKDIR sloopy/llvm/tools/clang/tools

RUN sudo git clone https://github.com/thpani/clang-tools-extra.git extra

# install z3

WORKDIR sloopy

RUN sudo apt-get install -y unzip

RUN sudo curl -L -o z3.zip https://github.com/Z3Prover/z3/releases/download/z3-4.5.0/z3-4.5.0-x64-ubuntu-14.04.zip && sudo unzip z3.zip

RUN sudo ln -s sloopy/z3-4.5.0-x64-ubuntu-14.04/bin/libz3.so /usr/lib/ && \

sudo ln -s sloopy/z3-4.5.0-x64-ubuntu-14.04/bin/libz3.a /usr/lib/ && \

sudo ldconfig -n -v /usr/lib

# setup build env

RUN sudo apt-get install -y clang ninja-build cmake libc++-dev libboost-all-dev

RUN sudo mkdir sloopy/llvm-build

# build sloopy

WORKDIR sloopy/llvm-build

RUN sudo CC=clang CXX=clang++ cmake -GNinja -DCMAKE\_BUILD\_TYPE=Debug -DCMAKE\_CXX\_FLAGS="-std=c++11 -stdlib=libc++ -Wno-c++11-extensions -I /home/ankit/sloopy/z3-4.5.0-x64-ubuntu-14.04/include/ -L/home/ankit/sloopy/z3-4.5.0-x64-ubuntu-14.04/bin/" -DLLVM\_TARGETS\_TO\_BUILD=CppBackend\;X86 ../llvm/

RUN sudo sudo ninja sloopy