





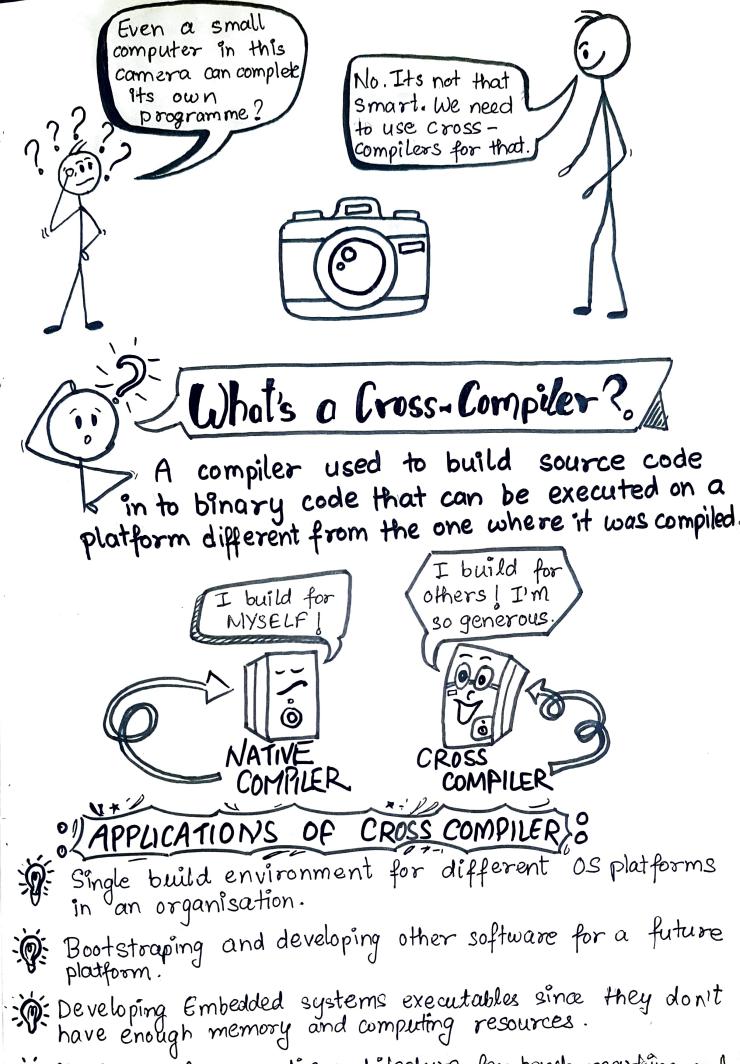
other — object files



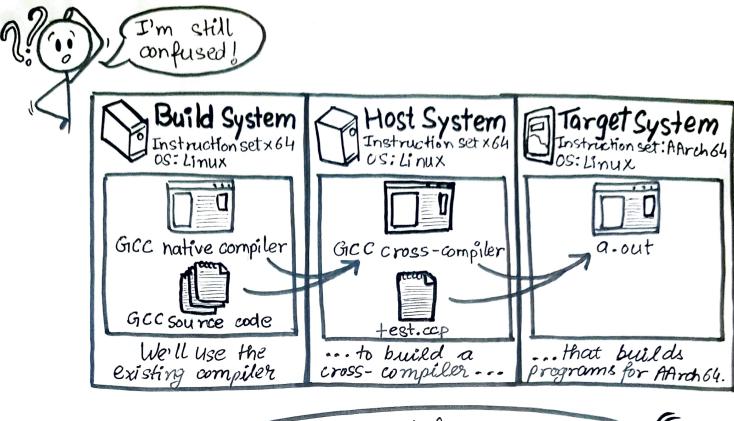
Libraries



Executable



Simulation of non-native architecture for bench-marking and testing.





It's the collection of binary tools including linker (ld), assembler (as), obbugging and analysis

GNU compiler collection which provides the main compiler, compiler driver, target libraries and header GCC files for standard libraries

Definition of system call numbers, various structure Linux Kernel types and definitions. Headers

provides implementation of the POSIX standard C library functions and other standards and extensions e.g., glibe, musl.

Using GNU autoconf ?

./configure --build (system A) -- host (system B) --target (system C)

Generally specifying build and host system is sufficient. If the package being built itself is a cross compiler, target needs to be specified.



Cross compiling a cross-compiler involving build, host and target system is called a Canadian cross. All 3 may have different OS/architecture.

CPU architecture e.g. ARM System X>?

Bare-metal

OS(None, Linux, etc.)

How do I write

(arch)-(vendor)-(os)-(libc/abi)

Ignored by autoconf (mostly)

Combination of Clibrary and ABI

E.g. • arm-foo-none-eabi • mips-img-linux-gnu

