The CC framework

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Testing your work

Host to use the CC framework for your assignments:

• Wilkinson lab
  gotham.ece.northwestern.edu, batman.ece.northwestern.edu, robin.ece.northwestern.edu,
  alfred.ece.northwestern.edu, gordon.ece.northwestern.edu, madhatter.ece.northwestern.edu
  , joker.ece.northwestern.edu, cobblepott.ece.northwestern.edu, bane.ece.northwestern.edu
  , nightwing.ece.northwestern.edu, selina.ece.northwestern.edu, ras.ece.northwestern.edu
  , poisonivy.ece.northwestern.edu, freeze.ece.northwestern.edu, scarecrow.ece.northwestern.edu
  , clayface.ece.northwestern.edu, harley.ece.northwestern.edu, killercroc.ece.northwestern.edu
  , huntress.ece.northwestern.edu, batgirl.ece.northwestern.edu, riddler.ece.northwestern.edu
  , hush.ece.northwestern.edu

• WOT systems
  murphy.wot.ece.northwestern.edu, finagle.wot.ece.northwestern.edu,
  hanlon.wot.ece.northwestern.edu, moore.wot.ece.northwestern.edu

Steps
• Login to it (ssh YOUR_NET_ID@hanlon.wot.eecs.northwestern.edu)
• Run “bash”
The CC framework

• 322_framework.tar.bz2
• All compilers you will build will be included in the CC framework
• The framework includes tests and scripts to help you succeeding in designing your own compilers
A compiler in the framework

What is invoked to compile L1 programs

You have our L1 binary you can use to test your L1 programs you will develop

The binary that generate prog.S from an L1 program

C++ code you will develop

L1 program → Your work → prog.S → as, ld → a.out
Invoking the L1 compiler (L1c)

- ./L1c OPTIONS_OF_THE_BINARY AN_L1_program.L1
- ./L1c tests/tests3.L1
- ./L1c –v tests/tests3.L1

- You will find both prog.S (assembly file generated by bin/L1) and a.out (executable)

- You can run the program now
  ./a.out