CMPUT 325:
Installing SBCL

Steel Bank Common Lisp

- SBCL for short
- Interpreter for Common Lisp
- Common Lisp
  - Language for first half of CMPUT 325

- Preinstalled in school machines
  - Remote into school machines
  - Copy files back and forth
- Install it yourself
  - This tutorial
    - Linux
    - Windows
  - Also works on MacOS

Remoting Instructions

- SSH
  - https://www.ualberta.ca/computing-science/resources/technical-support/networks/remote-access-ssh.html
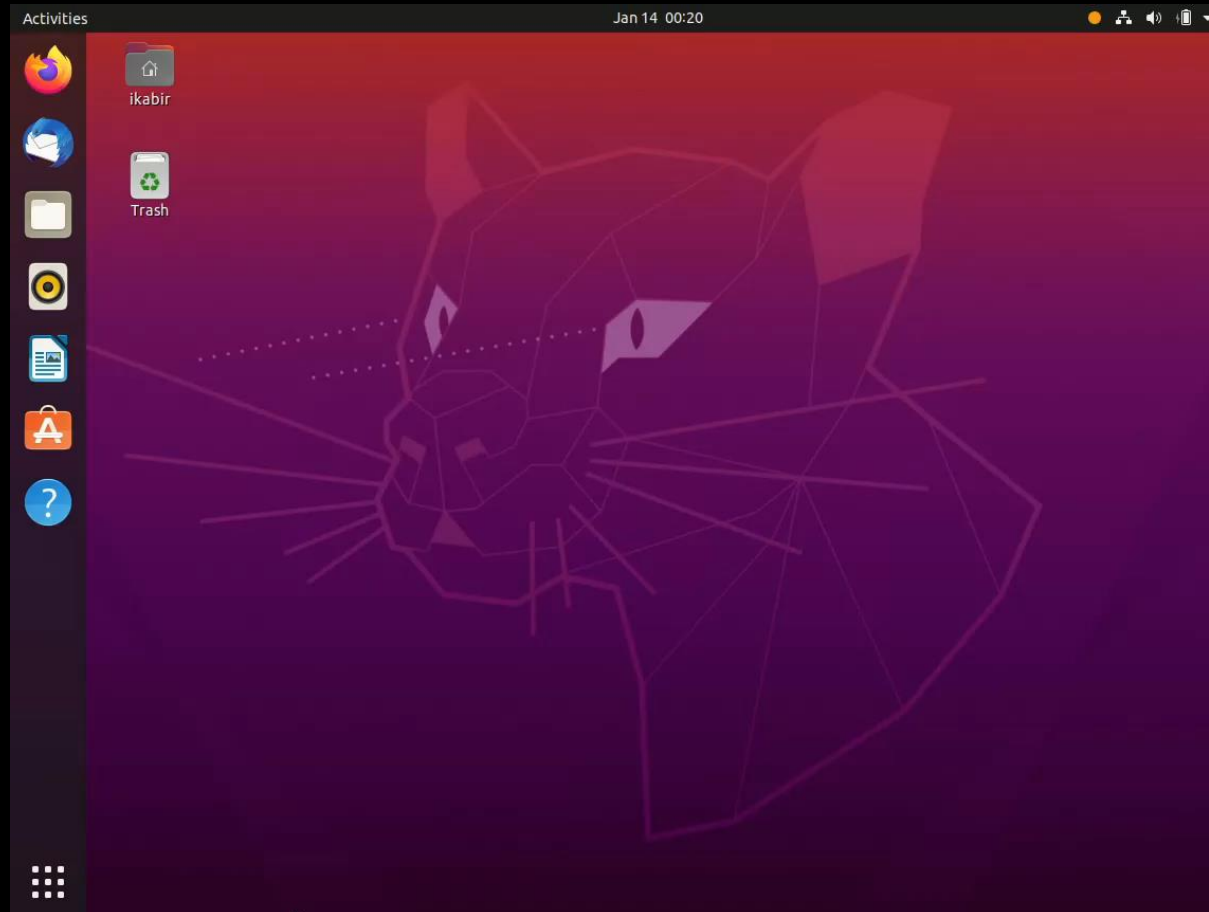- Copy Files Back and Forth
  - https://www.ualberta.ca/computing-science/resources/teaching-learning/linux.html

Run sbcl from School Machines

- SSH into ohaton.cs.ualberta.ca
- Run sbcl
  - Create a file `hello-world.lisp`
    - `(format t "Hello World!~%")`
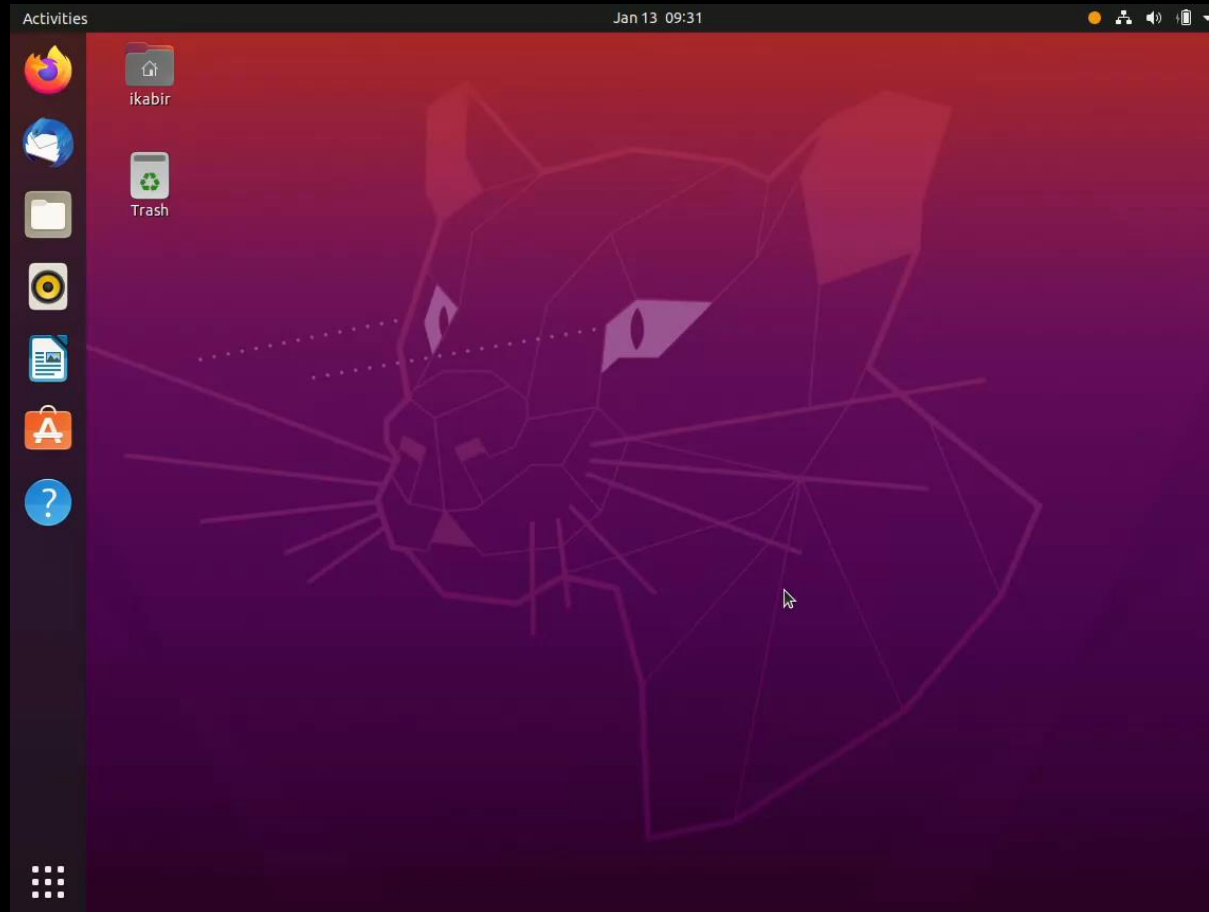 - Run command: `sbcl --script hello-world.lisp`

Remoting Video

- Install
  - Open terminal
  - Run command: `sudo apt install sbcl`
- Run sbcl
  - Create a file hello-world.lisp
    - `(format t "Hello World!~%")`
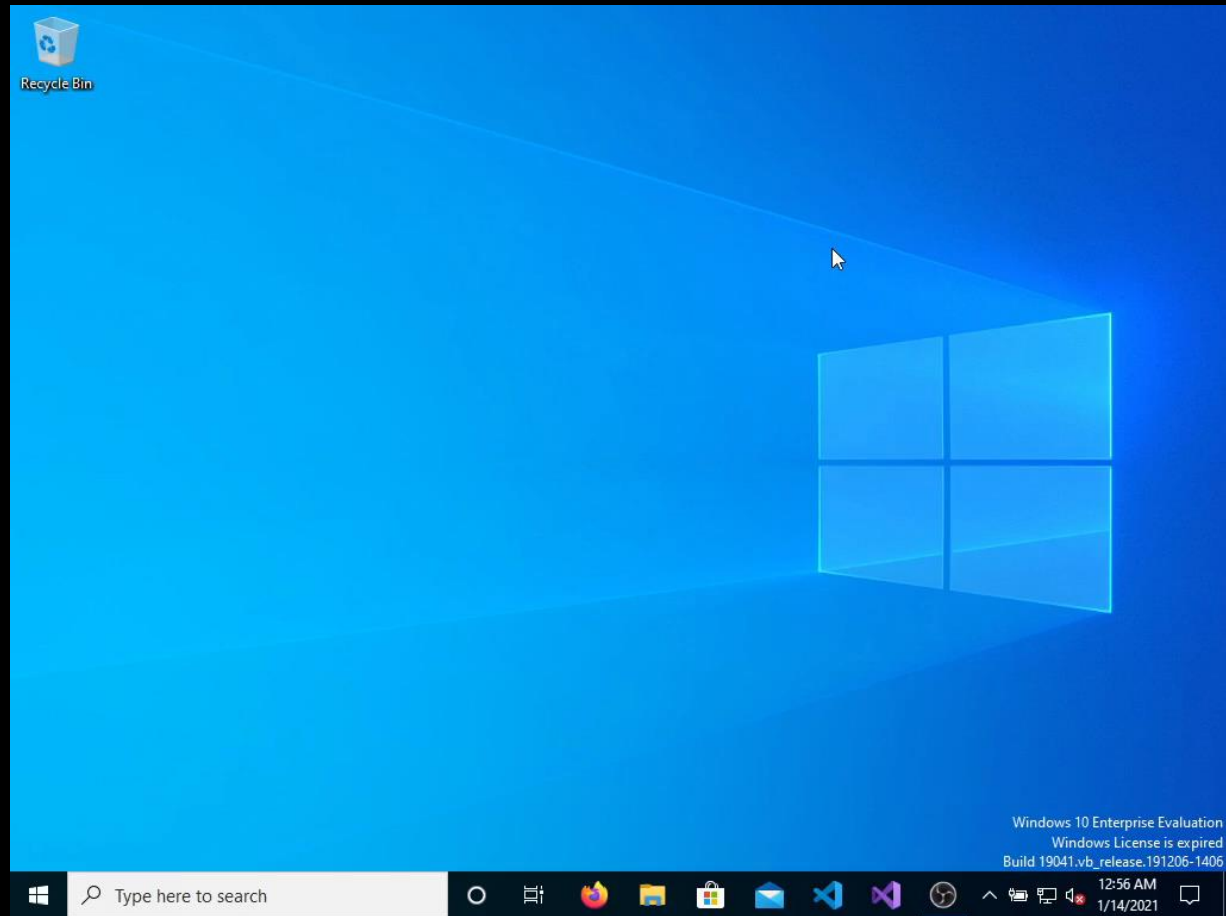 - Run command: `sbcl --script hello-world.lisp`

Ubuntu Video

Windows Installation

- Install
  - Open http://sbcl.org/platform-table.html
  - Download and run the installer

- Run sbcl
  - Create a file `hello-world.lisp`
    - `(format t "Hello World!~%")`
  - Run command: `sbcl --script hello-world.lisp`
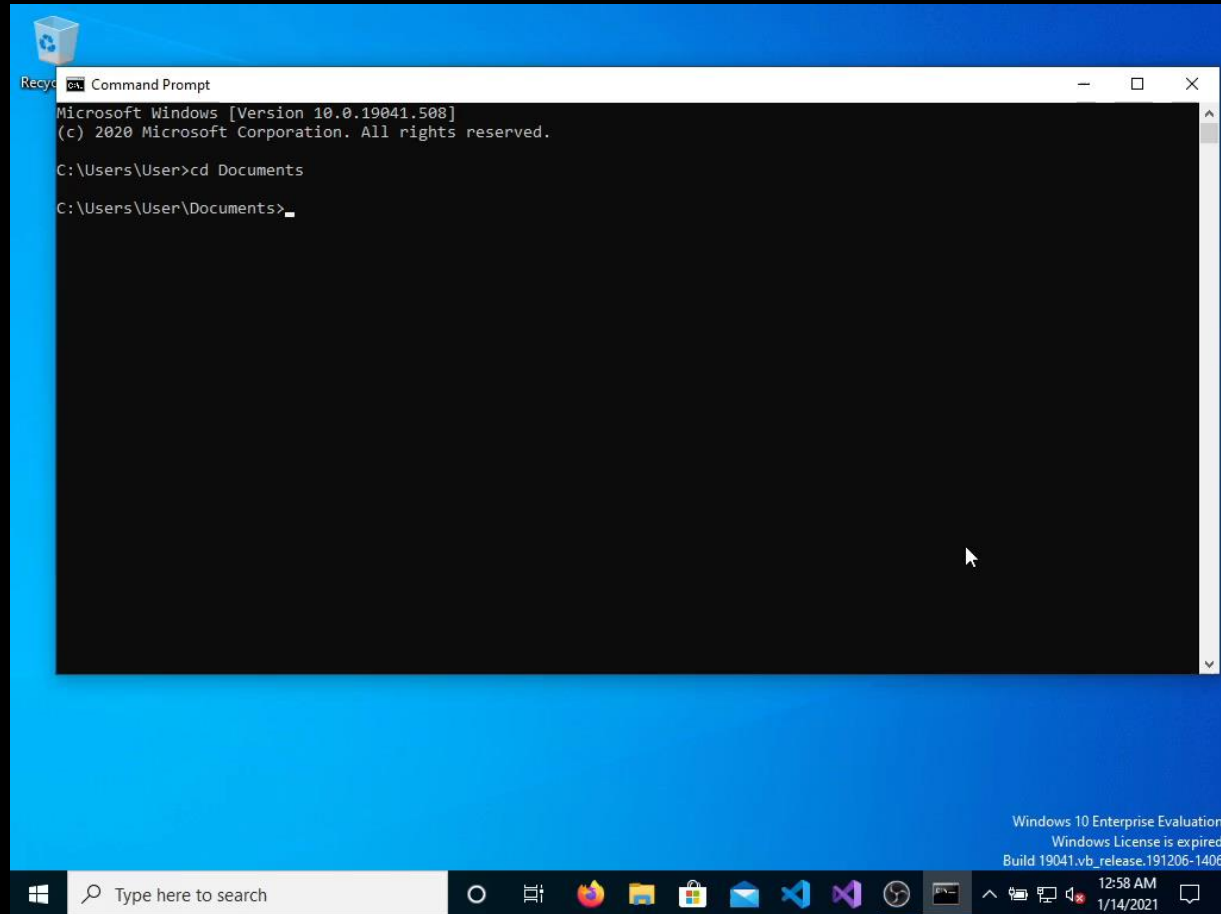
Windows Video

- Brings up the REPL
- Can still run `hello-world.lisp` file
  - `(load "hello-world.lisp")`
- Exit with `(exit)`

Exiting the REPL

The End