

# Crash Course on UNIX and Systems Tools

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Day 0 --- Getting Started

# What am I signing up for?

- The **course** --- covers UNIX-based systems/environments, introductory systems-related tools, and a bit of programming
- The **time commitment** --- an hour per day (roughly), from Jan 4th (Monday) through Jan 8th (Friday).
  - 0 hours outside of class.
  - 5pm -- 6pm CST on Zoom. Links, info, etc. will be on Canvas.

# What do I need to do before Monday?

- 1) Get a GitHub account if you haven't already. <https://github.com/>
- 2) Log into your GitHub account.
- 3) Set up a “sandbox” environment at <https://sandbox.cs50.io/> (See the screenshots on the next few slides).

# CS50 Sandbox

temporary programming environments for students and teachers

with support for [these environments](#)

Create sandbox

[Recent sandboxes](#)

[Log out](#)

- ☐ with **embedded browser**
- ☐ with **Jupyter Notebook**
- ☒ with **terminal window**
- ☐ with **text editor**, [with these tabs](#)
- ☒ with **X window**

Create

or [configure](#)

Select “with terminal window” and “with X window.”  
Click “configure” below.

Create sandbox

[Recent sandboxes](#)

[Log out](#)

- ☐ with **embedded browser**
- ☐ with **Jupyter Notebook**
- ☒ with **terminal window**
- ☐ with **text editor**, [with these tabs](#)
- ☒ with **X window**

**Name for sandbox**

whatever\_you\_want|

To distinguish it among [recent sandboxes](#).

**Command(s) to run before sandbox is created**

For example, `pip install fortune`. Can also be a multi-line Bash script.

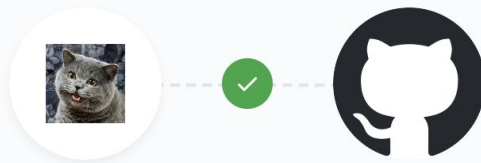
**Command to run in sandbox's terminal window**

For example, `python`, to replace shell with interpreter. Default is `bash`.


Create



or [preview URL](#)

Choose a name for the sandbox. Click “Create.”



## Authorize CS50 Sandbox

**CS50 Sandbox** by **cs50**  
wants to access your **sgh7781** account

**Personal user data**  
Email addresses (read-only) 

Cancel

Authorize cs50

Authorizing will redirect to  
**<https://sandbox.cs50.io>**

Click “Authorize cs50.” You’re set!

## Other Information

- There will be a Canvas page, but it isn't published yet. You'll receive an email when everything is live.
- Other info ---  
[https://docs.google.com/document/d/1a2hlc8StpvQQIQ07eabmFu4f86EVn\\_1Vfz0i8uB93AA/edit](https://docs.google.com/document/d/1a2hlc8StpvQQIQ07eabmFu4f86EVn_1Vfz0i8uB93AA/edit)
- Please email if you need anything --- [sgh@u.northwestern.edu](mailto:sgh@u.northwestern.edu)