CPSC 240 Beginner's Guide

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FAQ

Q: Is chocolatey a virus / dangerous

A: No, Chocolatey is a software management solution that "allows you to deploy software packages to any supported windows machine" (think of it like windows app store but on powershell and it's not bad)

Read More: https://chocolatey.org/how-chocolatey-works

Q: My professor told me to use {insert VM name here}, why should I use virtualbox?

A: I've been using virtualbox for a few years and never had an issue. That said, if your professor says virtualbox is bad then listen to what they tell you to do, they are particular about those things for a good reason (probably).

Links

- **Video's to help you learn x86-64(64 bit version of x86) :** https://youtube.com/playlist?list=PLKK11Ligqitg9MOX3-0tFT1Rmh3uJp7kA&si=EHsNOX65BswD8Yao and https://youtube.com/playlist?list=PLKK11Ligqithrgou1e6_kl9HJr1jI_LcT&si=6RnUEQlxIGrmC8be
- **Professor's website:** https://sites.google.com/a/fullerton.edu/activeprofessor/3-current-course/240-general-info?authuser=0
- **Professor's email:** holliday@fullerton.edu
- **LibreOffice:** https://www.libreoffice.org/download/download-libreoffice/
- **Installing WSL on windows:** https://drive.google.com/file/d/17s5tEH-96bgt7IubVyRXIyzAJiIGXPj6/view?usp=sharing
- **Installing tuffix on a non arm machine:** https://docs.google.com/document/d/1rFSyS4pItdDBxSxP1XAlSIwRsZgAGkS3PAAvLlmGMBM/edit?usp=sharing
- **Replit:** https://replit.com/home and https://replit.com/@Oli/Assembly-x86-64#main.asm
- **GitHub Codespaces:** https://docs.github.com/en/codespaces/getting-started/quickstart and https://docs.github.com/en/codespaces/overview
- **SSH if ARM machine (credit to SIBI):** https://docs.google.com/document/d/17CIDScg0tJ5CzP6jge4g85GNPPpCzHBn0NaSdhgNu9g/edit?usp=sharing

Instructor's zoom: 841 642 3131

https://fullerton.zoom.us/j/8416423131
Spring 2025 in class notes

Assembly survival guide presentation

Day 1 SI notes

Setup – Tuffix

Guide uses this library to install virtualbox for easy seamless installation (other methods exist as well as other VMs):

https://chocolatey.org/install

Step 1

Device setup before executing powershell script in step 2 that installs chocolatey:

https://youtu.be/-5WLKu_J_AE?si=qFrXPddLID5bfop7

Step 2

Chocolatey installation powershell script from website (use in windows powershell admin):

Set-ExecutionPolicy Bypass -Scope Process -Force; [System.Net.ServicePointManager]::SecurityProtocol = [System.Net.ServicePointManager]::SecurityProtocol -bor 3072; iex ((New-Object System.Net.WebClient).DownloadString('https://community.chocolatey.org/install.ps1'))

Step 3

"Tuffix 2022" install iso provided by CSUF (they hide the link in a big pdf):

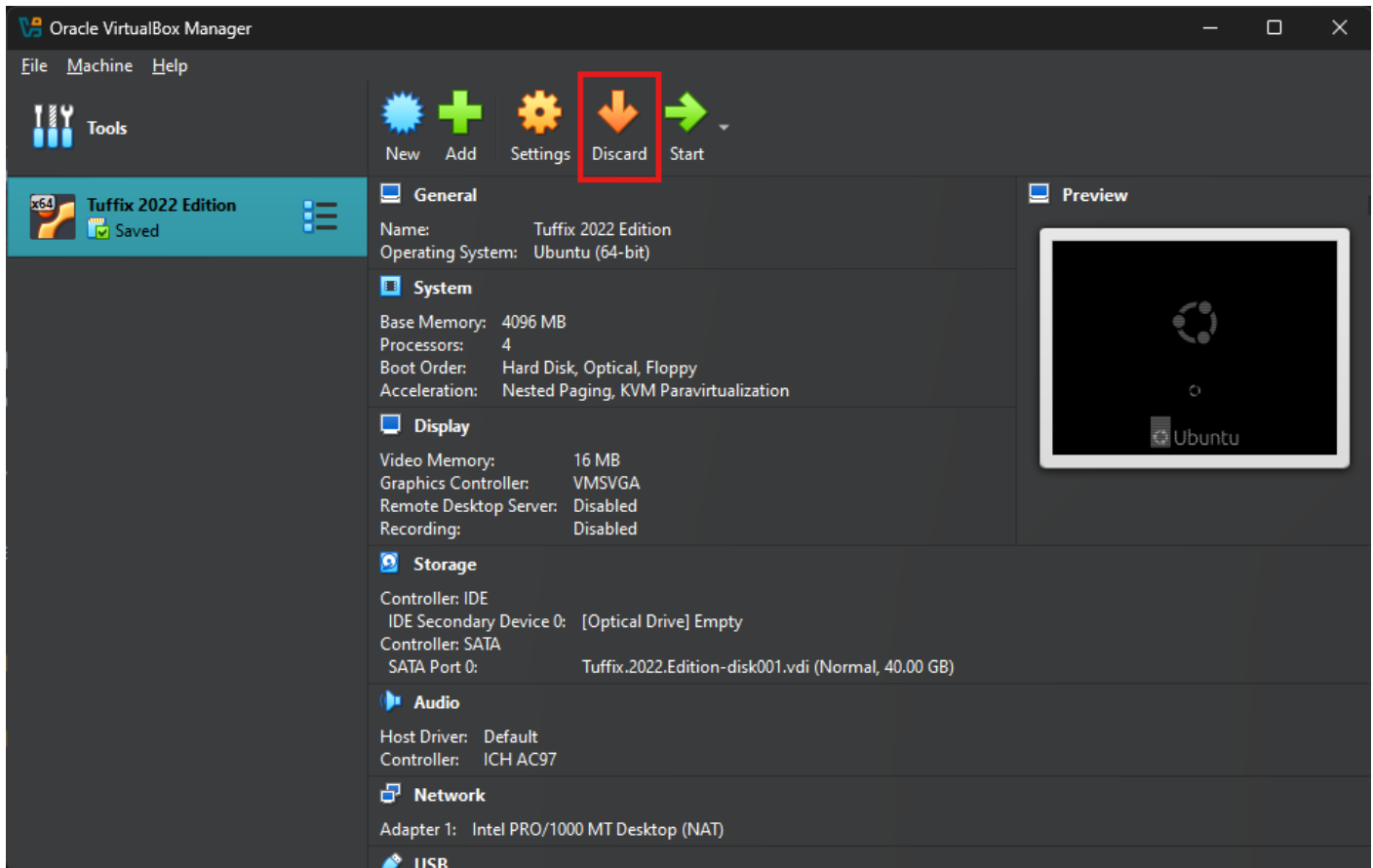https://drive.google.com/file/d/16CHGUqUmNDovJAcX5tO4JKhSmDusxOHL/view

Step 4

Open cmd:

Run "choco install -y virtualbox"

General and in detail settings – Tuffix

To change system settings, click discard save state first (if button is colored)

Recommended settings

Processors: 4

Base Memory: 4096