

# CCDC Homework #2

## Resources

Remember to always use safe Internet practices.

Link to ISOs if you want to work on your local computer:

1. **Windows 10 (When prompted, install Pro version and skip activation key):**
  - a. <https://da.gd/YONFX>
2. **Ubuntu 20.04:**
  - a. <https://da.gd/g0MwDe>

## Questions

1. What is the difference between a container and a Virtual Machine?
2. How can a container add or detract (search up privileged mode) from a host's overall security?
3. Should a business migrate their server applications to container technology, like Docker? Why or why not?
4. Provide a secure password policy, and explain why it is secure.
  - a. Provide a screenshot of this policy implemented in Windows `gpedit.msc`.
  - b. Provide a screenshot of this policy implemented in Linux.
  - c. Provide an example password that follows your policy.
5. What is an "air gap" in terms of networking? Are they difficult to implement? Should organizations all use air gaps? Why or why not?

## Labs

1. Set up and configure a XAMPP stack on Windows 10 with WordPress.
  - a. Make a post on your WordPress site.
2. Set up and configure a LAMP stack on Ubuntu 20.04 with WordPress.
  - a. Make a post on your WordPress site.

# Deliverables

1. **Submit a PDF with all of the following:**
  - a. **answers to all the questions**
  - b. **a write-up on how you accomplished the tasks in Lab #1 and #2**
  - c. **a screenshot of the XAMPP panel running**
  - d. **a screenshot of the XAMPP home page**
  - e. **a screenshot of the WordPress posts**
2. **Make sure all sections and images are readable and labeled.**
3. **Name the file with the following format: FirstLast\_Homework2.pdf**

If you are trying out for the team, make sure you submit your PDF in Canvas.

Otherwise, please use this form if you want to be graded:

<https://forms.gle/3f2VayeULrWxc9eb8>.