Topics for rest of year

Cedar Rapids Area Homeschools’ 2023 Cyberdefense Team

# This Week’s Plan

Now that we want to be more focused, let’s look at topics we would cover, in a perfect world, before the competition.

1. A deeper look at object permissions
2. Finish notes on ssh server/client configuration
3. Installing, configuring, and controlling services
   1. Examples: web servers, file servers, database servers
4. Packet sniffing(?)
   1. Example: Wireshark
5. Firewalls
   1. Local and shared
   2. ~~PfSense~~
6. DNS – the Domain Name System
7. Focus on important services
   1. Web servers
      1. Adding new apps
   2. File servers
   3. Database servers
   4. Remote Desktop Server
      1. Install mode vs. Execute mode for multi-user software installation
   5. Individual team members could specialize in different services
8. Jailing ssh sessions
9. Windows equivalents to everything we learned in Linux

The competition is on April 22. Beginning with our next meeting, on January 28th, there are 13 Saturdays before the competition. Of course, we may have time off for Easter weekend, Spring break, or anything <coughMockTrialcough> else.

Assuming we lose two weekends to something and take two weeks to prepare for the competition, that gives us 8 Saturdays for learning topics. Some topics above take less than a week, but most take longer. And along the way, we might think of other things to discuss that I forgot to include here.

This means we need to prioritize.

What do we want to be sure to cover, and what are we willing to wait on until next year if we have to?

**What’s Next?**

**Remember, there is no meeting next week (January 21). Our next meeting is January 28.**