ISU Fall 2017 CDC Kick Off

Welcome!
Agenda

- Staff Introduction
- What is a CDC
- Scenario Overview
- Team Forming
Staff Introductions
What is a CDC?

- Cyber Defense Competition (CDC)
- Learning Experience in Cyber Security
Structure of the Competition

- You are given a scenario and provided
  - They usually in fairly bad shape security wise
- You have about four weeks to prepare your machines
- On Friday before the competition is on setup
  - Get in person help from ISEAGE staff
- 8am Saturday morning the attack phase begins
Red Team? Blue Team? Who are they?

- **Blue Teams**
  - You!
  - Defender your systems

- **Red Team**
  - Attack you
  - Tries to steal your flags

- **Green Team**
  - End Users
  - Make sure your systems work

- **White Team**
  - Referees of the competition
  - Here to help you
Scoring

- Flags
  - Represents data on your systems
- Uptime
  - Automated service scanner
- Usability
  - Green team checking your services
- Documentation and reports
  - White Team Docs, Green Team Docs, and Intrusion Reports
- Anomalies
  - Challenges and tasks that happen during the attack phase
- Full details on scoring can be found in the rules
Rules Document

- [https://docs.iseage.org/rules](https://docs.iseage.org/rules)
- We will be using version 3.0 for this competition.
Dates

- NOW – Kick off
- Thursday, Oct. 5 – Remote Setup Closes in the afternoon
- Friday, Oct. 6 – Onsite Setup
- Saturday, Oct. 7 – Attack Phase
Scenario Overview
What are you Defending

- Calumet-Dawson-Cincinnati K-12 School District
  - Lunch Room Point of Sale (Lunch Money)
  - Grade Book (Grade Boa)
  - Domain Controller
  - District Website
Competition Environment

- Runs inside a simulated internet called ISEAGE
- You don’t have direct internet access
- See the Rules Documents for more details
District Web Site

- WordPress Multi-Site
- Runs on Gentoo
- Can be migrated to ANY Operating System
Grade Boa (Grade Book)

- Custom PHP Gradebook
- Runs on Fedora 22
- Can migrated to newer version of Fedora
Lunch Monkey (Lunch Point of Sale)

- Custom Point of Sale Software
- Integrates with Grade Boa
- Runs on Windows Server 2012 R2
- Can’t be migrated
Domain Controller

- Windows Server 2012 R2 Provided
- You need to setup the Active Directory Service
  - Instructions will be on the CDC Blog
- Can’t be migrated
Where can I get help?

- Team members!
- Email: cdc_support@iastate.edu
- Lab Jams:
  - Sundays 7pm-9pm in Coover 3043
  - Wednesdays 7pm-9pm in Coover 1041
- Chat: setup.iseage.org
  - Hours 8am-9pm
  - Keep in mind we are students as well
Remote setup will open and the full scenario will be released later tonight!
What are you questions?
Team Forming Time!
Thanks for coming tonight!

signup.iseage.org
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