

Computer Network Security

COMP 178 | Spring 2025 | University of the Pacific | Jeff Shafer

XP Cyber Labs

Upcoming Assignments

- **7** Lab 6 − Post Exploitation: Due Feb 26th
- **7 Lab 7 − Password Testing:** Due March 5th
- **▼** Video Presentation Peer Reviews <u>3 each</u>
 - Canvas will auto-assign on March 2nd (look in the same assignment where you uploaded the video)
 - Due March 9th

Bonus Resources

Bonus Resources on Class Website

Linux Post-Exploit Cheat Sheet

Windows Post-Exploit Cheat Sheet

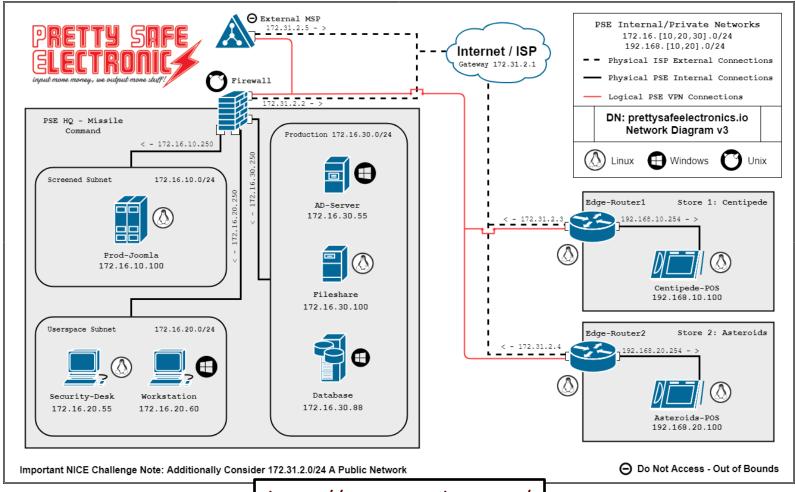
Tools! More Tools! Yet More Tools! (For enumeration, privilege escalation, "living off the land", ...)

- Real-world cybersecurity challenges
 - Narrative scenarios
 - Full business environments (servers, services, workstations, networks)
- No installation required (web portal)





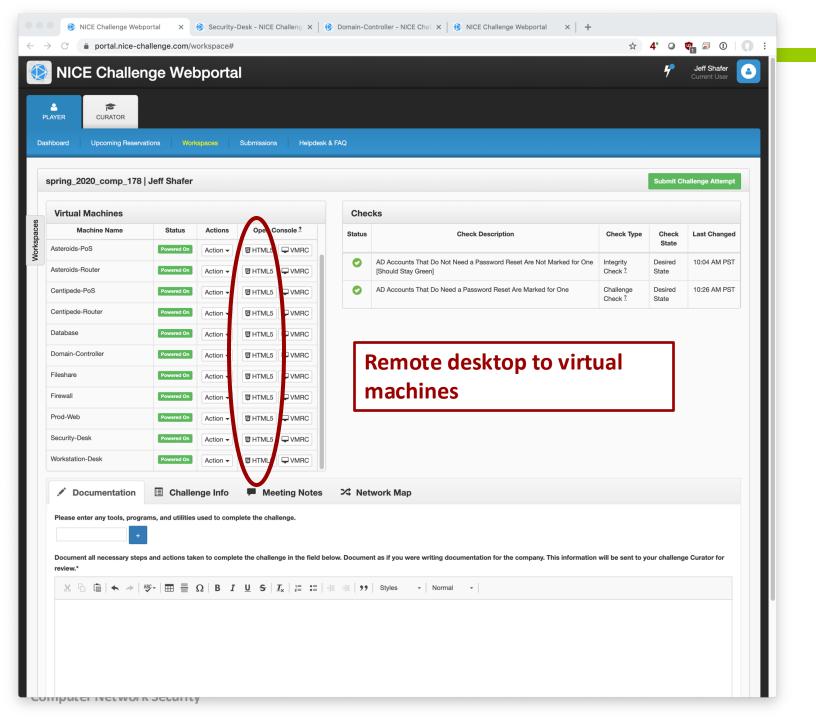


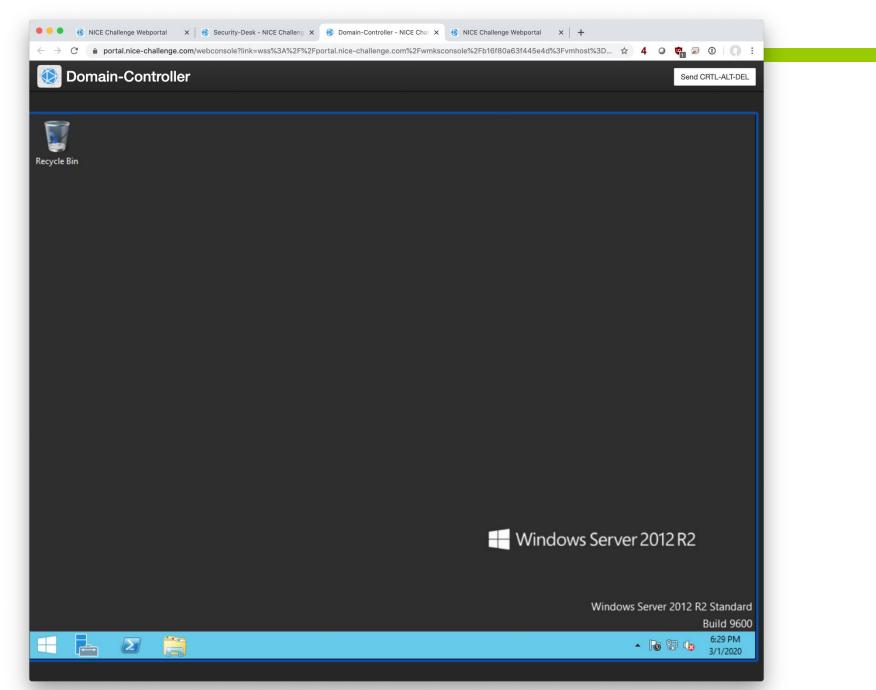


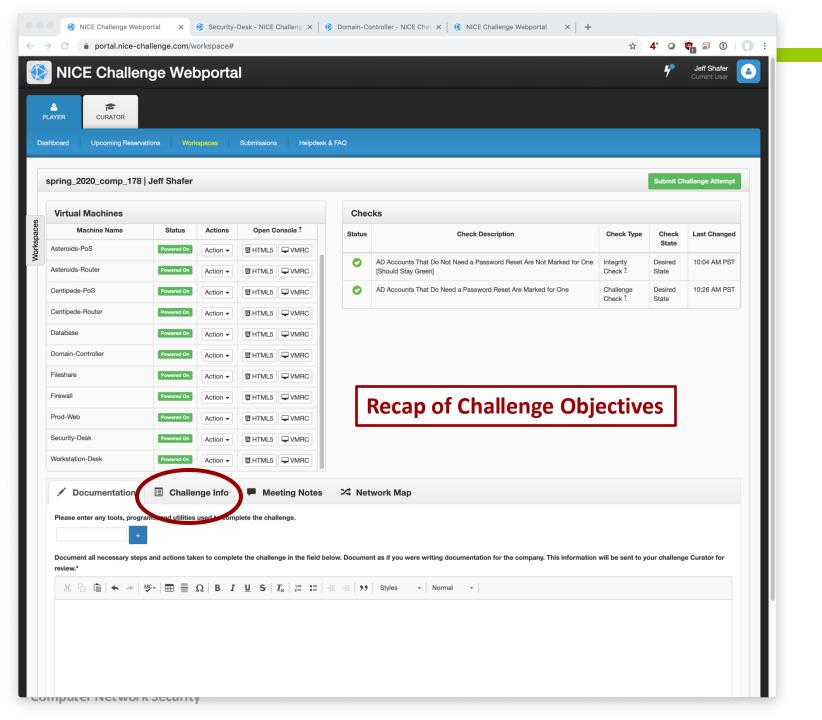
https://www.xpcyber.com/

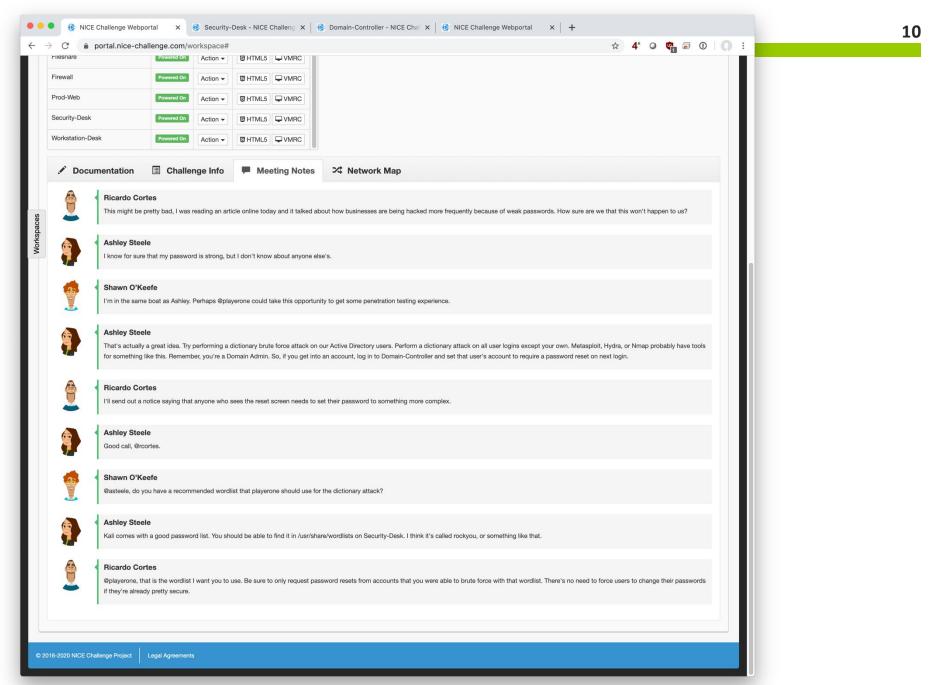
- Open ended labs
 - Given broad description of task to accomplish and perhaps a few hints
 - Multiple paths can lead to final solution
 - You are expected to document your solution before submitting

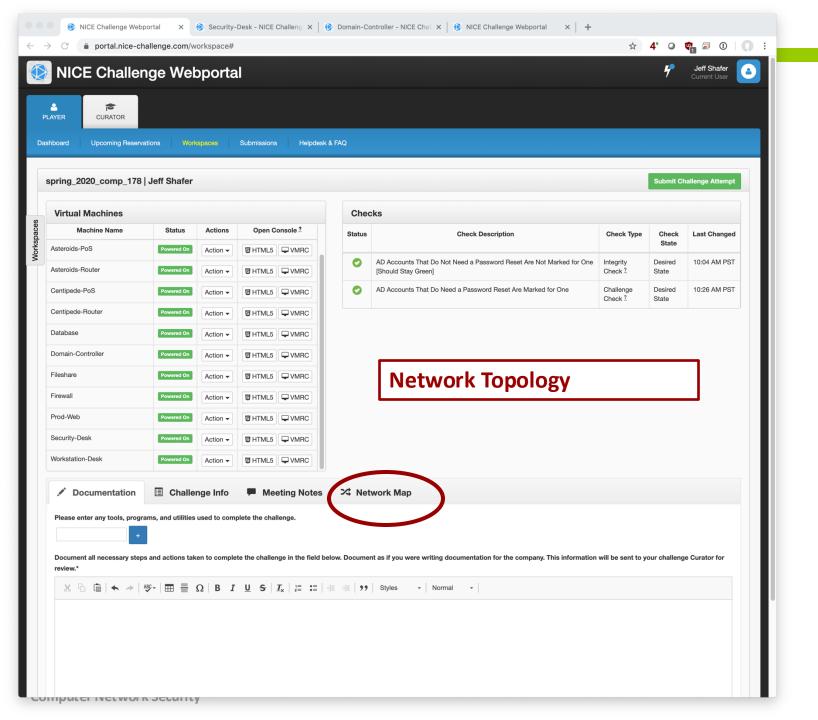
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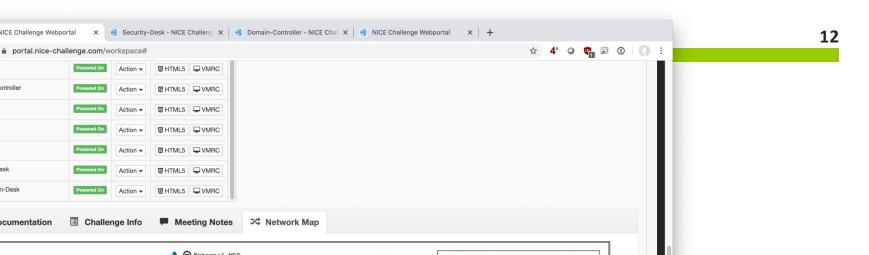


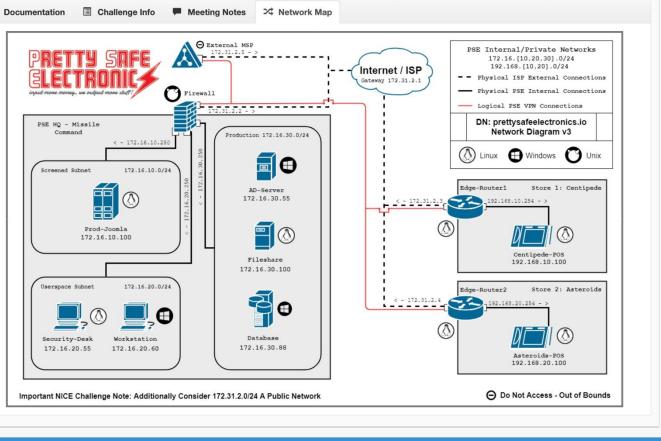












NICE Challenge Webportal

Domain-Controller

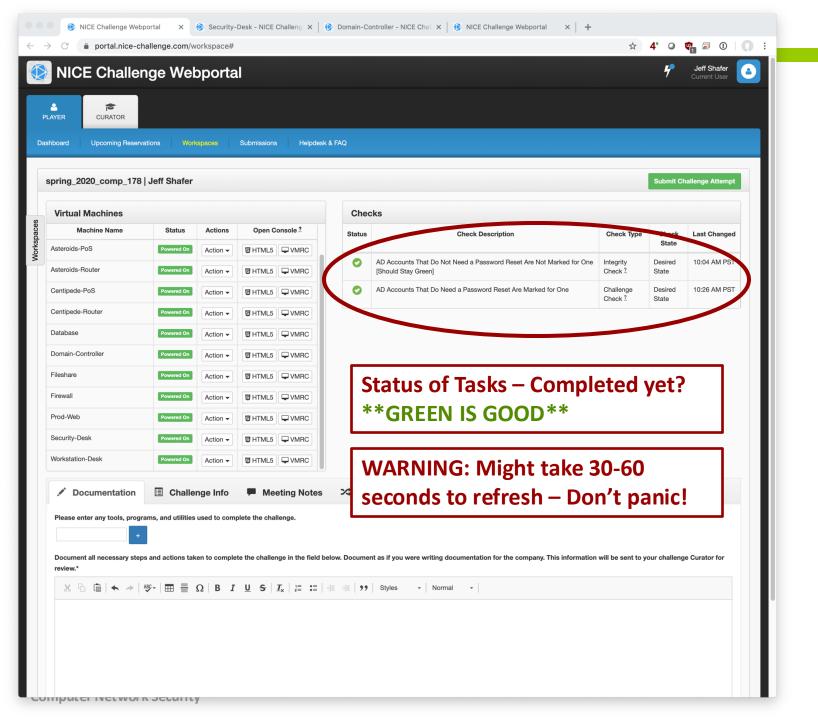
Fileshare

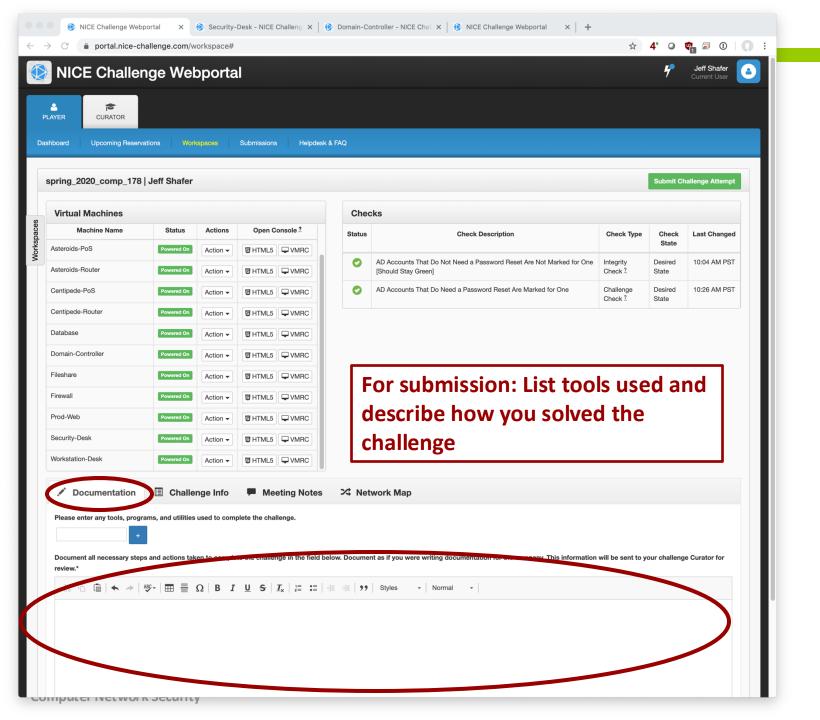
Firewall

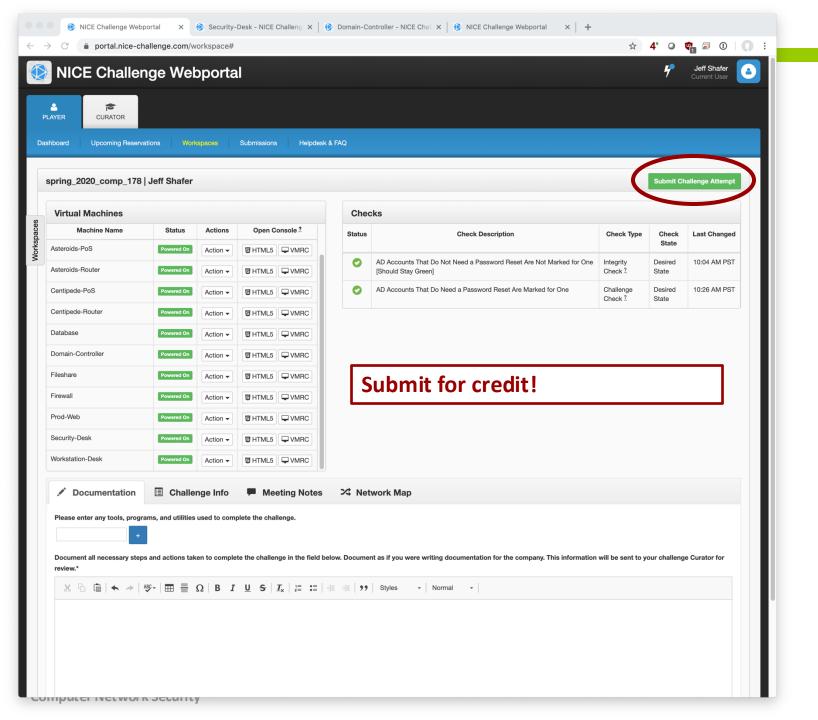
Prod-Web

Security-Desk

Workstation-Desk







Lab 7

Environment: Pretty Safe Electronics

Challenge Title: **Penetration Testing:**

Bringing Passwords Up To Snuff

Access via https://range.xpcyber.com/

- **Warning about scheduling**
- Labs are "available" for 1 week and reservations are needed!
 - Virtual machines are used by other students at other universities Can't hold onto it
- You reserve your own 48-hour access period within that 1-week window
- Reservations must be made the day prior (midnight deadline)

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